Pro 8200S/8210S/8220SPro 8210/8220 Machine Code:D270/D271/D272/M0AA/M0AB Field Service Manual Ver 1.0

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Important Safety Notices

Warnings, Cautions, Notes

In this manual, the following important symbols and notations are used.

⚠WARNING

- A Warning indicates a potentially hazardous situation. Failure to obey a Warning could result in death or serious injury.

⚠CAUTION

- A Caution indicates a potentially hazardous situation. Failure to obey a Caution could result in minor or moderate injury or damage to the machine or other property.

Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.

Note

- This information provides tips and advice about how to best service the machine.

General Safety Instructions

For your safety, please read this manual carefully before you use this product. Keep this manual handy for future reference.

Safety Information

Always obey the following safety precautions when using this product.

Safety During Operation

In this manual, the following important symbols and notations are used.

[A]: ON

[B]: OFF

[C]: Push ON/Push OFF

[D]: Standby

Switches and Symbols

Where symbols are used on or near switches on machines for Europe and other areas, the meaning of each symbol conforms with IEC60417.

Safety

Prevention of Physical Injury

1. Before disassembling or assembling parts of the machine and peripherals, make sure that the machine and peripheral power cords are unplugged.
2. The plug should be near the machine and easily accessible.
3. Note that some components of the machine and the paper tray unit are supplied with electrical voltage even if the main power switch is turned off.
4. Always unplug the power cord from the power source before you move the product. Before you move the machine, arrange the power cord so it will not fall under the machine.
5. Disconnect all peripheral units (finisher, LCT, etc.) from the mainframe before you move the machine.
6. If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrified or mechanically driven components.
7. The machine drives some of its components when it completes the warm-up period. Be careful to keep hands away from the mechanical and electrical components as the machine starts operation.
8. The inside and the metal parts of the fusing unit become extremely hot while the machine is operating. Be careful to avoid touching those components with your bare hands.
9. To prevent a fire or explosion, keep the machine away from flammable liquids, gases, and aerosols.
10. Do not use flammable sprays or solvent in the vicinity of the machine. Also, avoid placing these items in the vicinity of the machine. Doing so could result in fire or electric shock.
11. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
12. Clean the floor completely after accidental spillage of silicone oil or other materials to prevent slippery surfaces that could cause accidents leading to hand or leg injuries.
13. Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
14. Never do any procedure that defeats the function of any safety device.
15. Modification or removal of a safety device (fuse, switch, etc.) could lead to a fire and personal injury. Always test the operation of the machine to ensure that it is operating normally and safely after removal and replacement of any safety device.
16. For replacements use only the correct fuses or circuit breakers rated for use with the machine. Using replacement devices not designed for use with the machine could lead to a fire and personal injuries.
17. For machines installed with the ADF/ARDF:
    When a thick book or three-dimensional original is placed on the exposure glass and the ARDF cover is lowered, the back side of the ARDF rises up to accommodate the original. Therefore, when closing the ARDF, please be sure to keep your hands away from the hinges at the back of the ARDF.

18. When using a vacuum cleaner around the machine, keep others away from the cleaner, especially small children.
19. For machines installed with the anti-tip components:
    The anti-tip components are necessary for meeting the requirements of IEC60950-1, the international standard for safety. The aim of these components is to prevent the products, which are heavy in weight, from toppling as a result of people running into or leaning onto the products, which can lead to serious accidents such as persons becoming trapped under the product. (U.S.: UL60950-1, Europe: EN60950-1) Therefore, removal of such components must always be with the consent of the customer. Do not remove them at your own judgment.
20. **NEVER touch** the AC circuits on the PSU board to prevent electric shock caused by residual charge. Residual charge of about 100V-400V remains in the AC circuits on the PSU board for several months even when the board has been removed from the machine after turning off the machine power and unplugging the power cord.

Health Safety Conditions

1. For the machines installed with the ozone filters:
    - Never operate the machine without the ozone filters installed.
    - Always replace the ozone filters with the specified types at the proper intervals.
2. The machine, which use high voltage power source, can generate ozone gas. High ozone density is harmful to human health. Therefore, locate the machine in a large well ventilated room that has an air turnover rate of more than 50m^3/hr/person.
3. Toner and developer are non-toxic, but if you get either of them in your eyes by accident, it may cause temporary eye discomfort. Try to remove with eye drops or flush with water as first aid. If unsuccessful, get medical attention.

Observance of Electrical Safety Standards

1. The machine and its peripherals must be installed and maintained by a customer service representative who has completed the training course on those models with exceptions on some machines where the installation can be handled by the user.

Safety and Ecological Notes for Disposal

1. Do not incinerate toner bottles or used toner. Toner dust may ignite suddenly when exposed to an open flame.
2. Dispose of used toner, developer, organic photoconductors, and AIO unit in accordance with local regulations. (These are non-toxic supplies.)
3. Dispose of replaced parts in accordance with local regulations.
4. When keeping used lithium batteries in order to dispose of them later, do not put more than 100 batteries per sealed box. Storing larger numbers or not sealing them apart may lead to chemical reactions and heat build-up.
5. The danger of explosion exists if a battery of this type is incorrectly replaced. Replace only with the same or an equivalent type recommended by the manufacturer. Discard used batteries in accordance with the manufacturer’s instructions.

Handling Toner

- Work carefully when removing paper jams or replacing toner bottles or cartridges to avoid spilling toner on clothing or the hands.
- If toner is inhaled, immediately gargle with large amounts of cold water and move to a well-ventilated location. If there are signs of irritation or other problems, seek medical attention.
- If toner gets on the skin, wash immediately with soap and cold running water.
- If toner gets into the eyes, flush the eyes with cold running water or eye wash. If there are signs of irritation or other problems, seek medical attention.
- If toner is swallowed, drink a large amount of cold water to dilute the ingested toner. If there are signs of any problem, seek medical attention.
- If toner spills on clothing, wash the affected area immediately with soap and cold water. Never use hot water! Hot water can cause toner to set and permanently stain fabric.
- Always store toner and developer supplies such as toner and developer packages, cartridges, bottles (including used toner and empty bottles and cartridges), and AIO unit out of the reach of children.
- Always store fresh toner supplies or empty bottles or cartridges in a cool, dry location that is not exposed to direct sunlight.
- Do not use a vacuum cleaner to remove spilled toner (including used toner). Vacuumed toner may cause a fire or explosion due to sparks or electrical contact inside the cleaner. However, it is possible to use a cleaner designed to be dust explosion-proof. If toner is spilled over the floor, sweep up spilled toner slowly and clean up any remaining toner with a wet cloth.

Handling the development unit cooling system

For the machines installed the development cooling system:

1. The development unit cooling system circulates propylene glycol from a sealed tank through hoses that pass behind cooling plates on the sides of each development unit.
2. The coolant tank is located at the bottom of the cooling box on the back of the main machine.
3. Always obey local laws and regulations if you need to dispose of a tank or the propylene glycol coolant.
4. The tank must never be emptied directly into a local drainage system, river, pond, or lake.
5. Contact a professional industrial waste disposal organization and ask them to dispose of the tank.

Lithium Batteries for Taiwan

警告

本機器內的鋰電池如果更換不正確型號會有爆炸的危險。
只能使用相同或製造商推薦同等類型的電池進行更換。
請依製造商說明書處理用過之廢棄電池。

Laser Safety

The Center for Devices and Radiological Health (CDRH) prohibits the repair of laser-based optical units in the field. The optical housing unit can only be repaired in a factory or at a location with the requisite equipment. The laser subsystem is replaceable in the field by a qualified Customer Engineer. The laser chassis is not repairable in the field. Customer engineers are therefore directed to return all chassis and laser subsystems to the factory or service depot when replacement of the optical subsystem is required.

⚠WARNING

- Use of controls, or adjustment, or performance of procedures other than those specified in this manual may result in hazardous radiation exposure.

WARNING FOR LASER UNIT

WARNING:

Turn off the main switch before attempting any of the procedures in the Laser Unit section. Laser beams can seriously damage your eyes.

_safe006

_safe007

_safe008

Safety Instructions for the Color Controller

Fuse

The color controller uses a double pole fuse. If this fuse blows, be sure to replace it with an identical fuse.

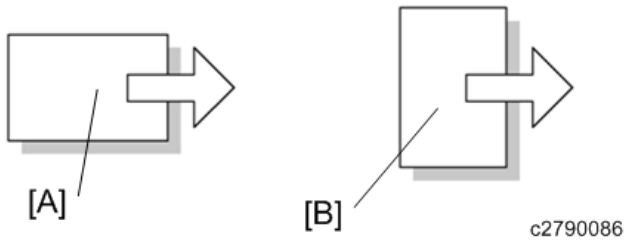
Batteries

1. Always replace a battery with the same type of battery prescribed for use with the color controller unit. Replacing a battery with any type other than the one prescribed for use could cause an explosion.
2. Never discard used batteries by mixing them with other batteries or other refuse.
3. Always remove used batteries from the work site and dispose of them in accordance with local laws and regulations regarding the disposal of such items.

Symbols, Abbreviations

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

Symbol	What it means
	Clip ring
	Screw
	Connector
	Clamp
	E-ring
	Flat Flexible Cable
	Timing Belt
SEF	Short Edge Feed
LEF	Long Edge Feed
K	Black
C	Cyan
M	Magenta
Y	Yellow
B/W, BW	Black and White
FC	Full color



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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- Microsoft® Internet Explorer® 6
- Windows® Internet Explorer® 7
- Windows® Internet Explorer® 8

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  Microsoft® Windows Vista® Business
  Microsoft® Windows Vista® Home Premium
  Microsoft® Windows Vista® Home Basic
  Microsoft® Windows Vista® Enterprise
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  Microsoft® Windows® 7 Professional
  Microsoft® Windows® 7 Ultimate
  Microsoft® Windows® 7 Enterprise
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Microsoft® Windows® 8

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- The product names of Windows Server 2012 are as follows:

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  Microsoft® Windows Server® 2012 Standard

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  Microsoft® Windows Server® 2012 R2 Standard

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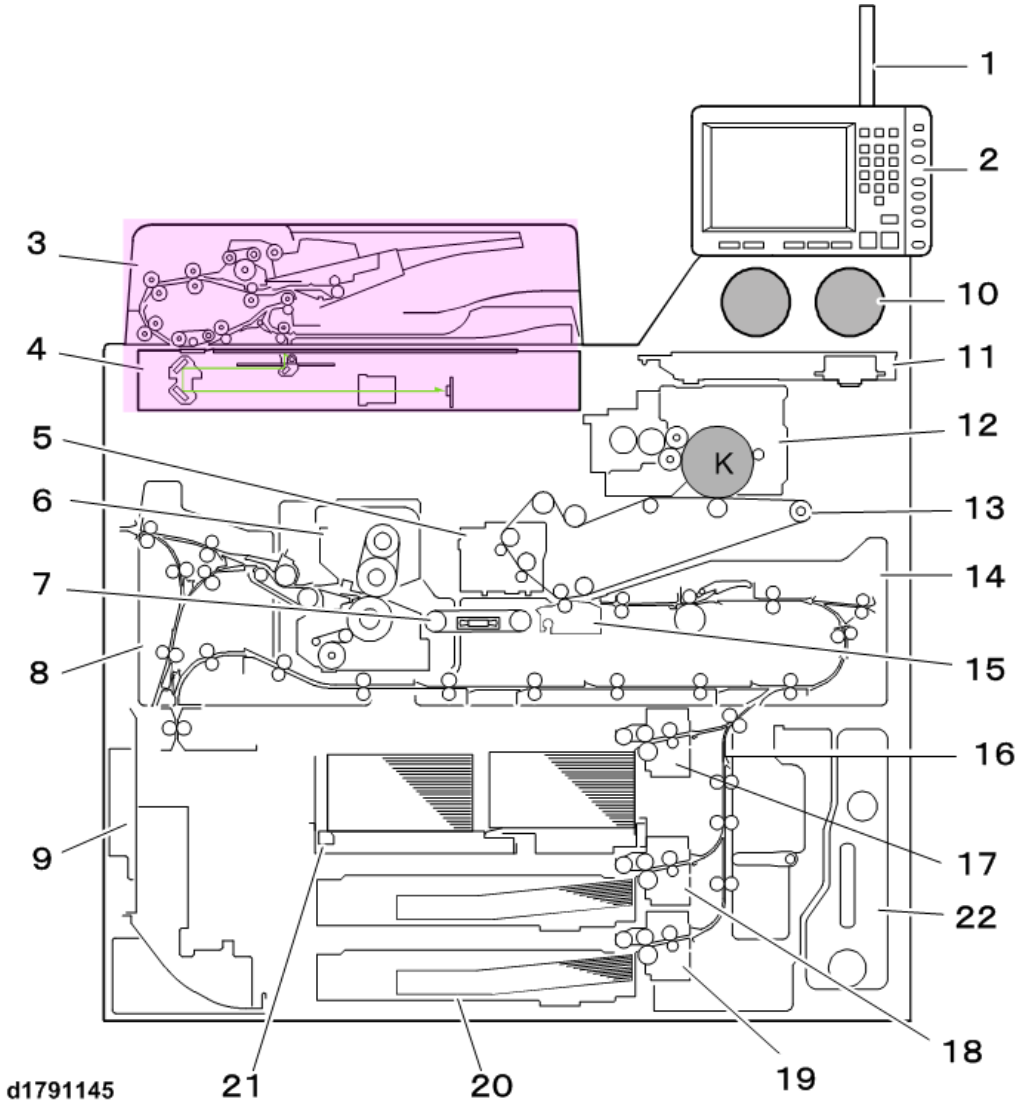
1. Product Information

Product Overview

Layout (Front)

Note

- The shaded areas of the drawing are for the copier version only.



No.	Name	No.	Name
1	Status Light	12	PCDU
2	Operation Panel	13	ITB Unit
3	ADF (Copier only)	14	Registration Unit (Main Path)
4	Scanner (Copier only)	15	PTR Unit (Paper Transfer Roller)
5	ITB Cleaning Unit	16	Vertical Transport Unit (VTU)
6	Fusing Unit	17	Tray 1 (FM 1)

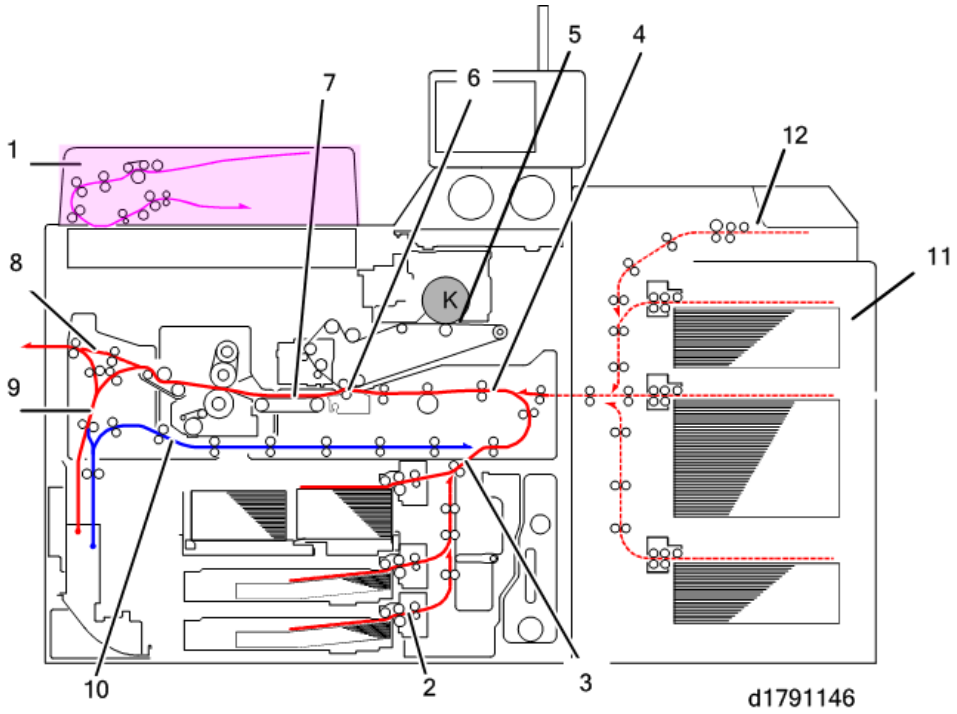
No.	Name	No.	Name
7	PTB (Paper Transport Belt)	18	Tray 2 (FM 2)
8	Invert/Exit Unit	19	Tray 3 (FM 3)
9	Purge Path	20	Universal Trays (x2)
10	Toner Supply Unit	21	Tandem Tray
11	Laser Unit	22	Used Toner Bottle

Paper Paths

Main Unit, LCIT

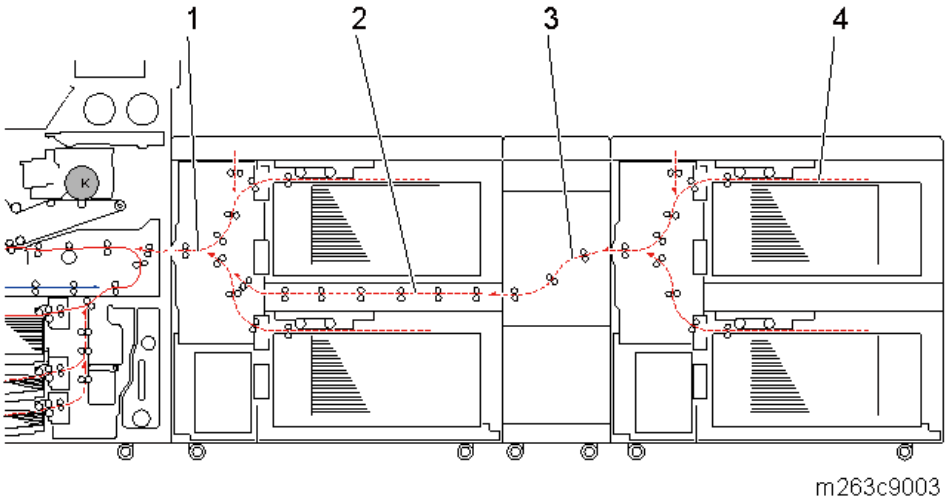
Note

- The shaded parts of the drawing are in the copier version only.



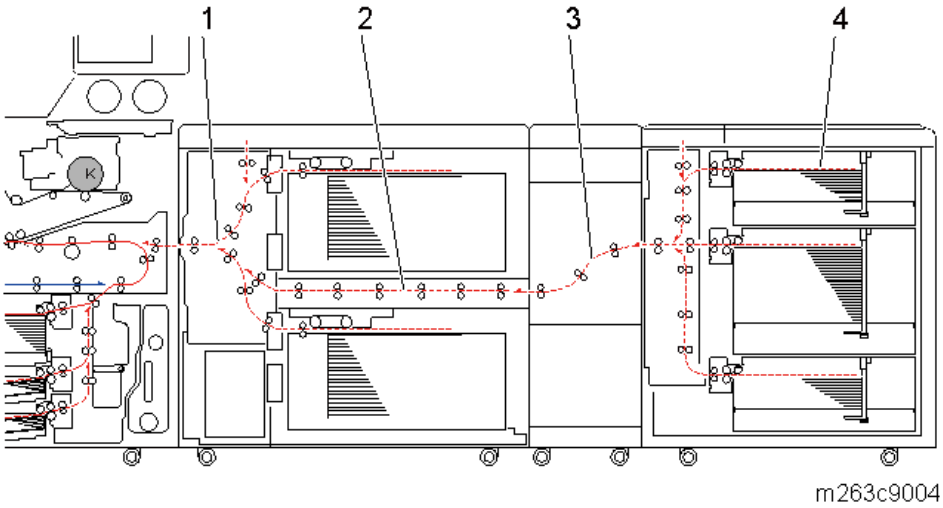
No.	Name	No.	Name
1	ADF (Copier only)	7	Paper Transport Belt
2	Paper Bank	8	Straight-through Path Exit
3	Vertical Transport Unit	9	Inverter Path
4	Registration Unit	10	Duplex Return Path
5	ITB Unit (Image Transfer)	11	LCIT (Option)
6	PTR Unit (Paper Transfer)	12	Multi Bypass Tray (Option)

Main Unit + Vacuum Feed LCIT RT5100 (2 Connections)



No.	Name
1	Vacuum Feed LCIT RT5100
2	LCIT Straight-through Path
3	Bridge Unit Path
4	Vacuum Feed LCIT RT5100

Main Unit + Vacuum Feed LCIT RT5100 + LCIT RT5080



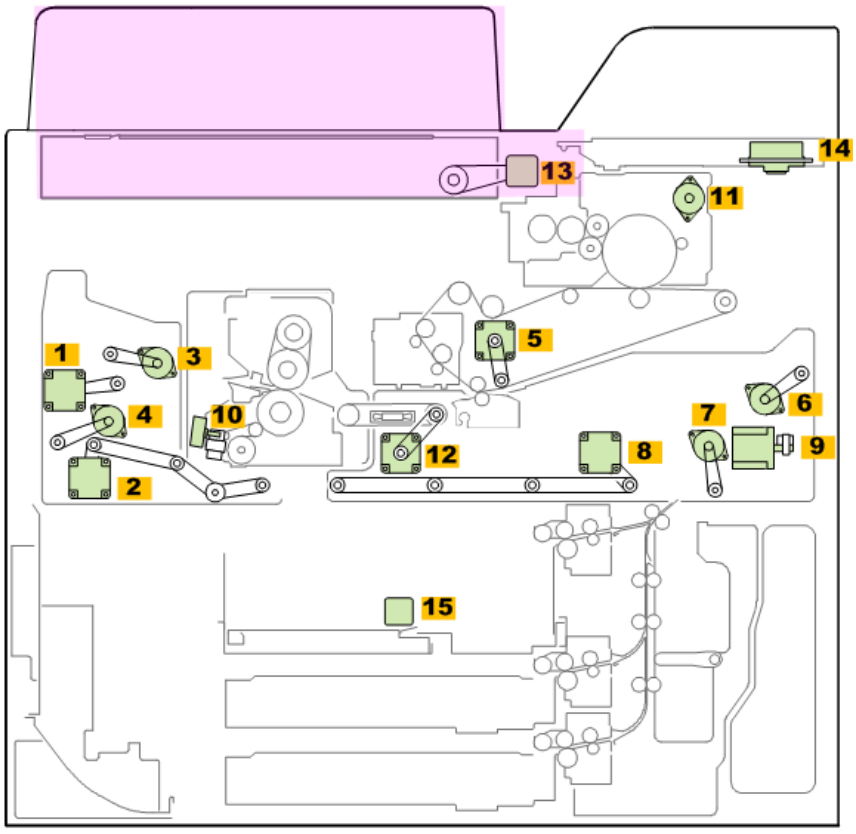
No.	Name
1	LCIT Exit Path
2	LCIT Straight-through Path
3	Bridge Unit Path
4	LCIT RT5080

Drive Layout

Front

Note

- The shaded areas of the drawing are for the copier version only.



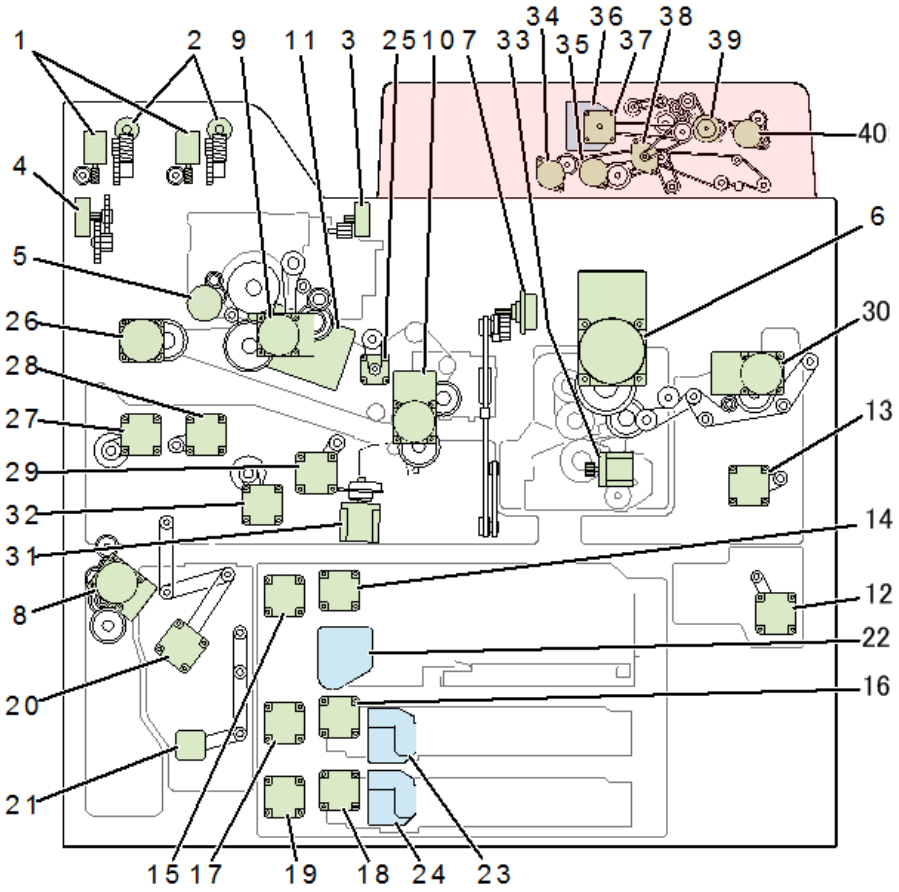
d1799126

No.	Name	No.	Name
1	Inverter Entrance Motor	9	Trailing Edge Shift Motor
2	Duplex Transport Motor 1	10	Web Cleaning Motor
3	Exit Junction Gate Motor	11	Cleaning Pad Motor
4	Exit Invert Motor	12	PTB Motor
5	PTR Lift Motor	13	Scanner Motor (Copier only)
6	LCT Relay Separation Motor	14	Polygon Motor
7	Main Relay Separation Motor	15	Tandem Transport Motor
8	Duplex Transport Motor 2		

Rear

Note

- The shaded areas of the drawing are for the copier version only.



d181c9001

No.	Name	No.	Name
1	Toner Bottle Motors (x2)	21	Vertical Transport Motor
2	Toner Bottle Cap Motors (x2)	22	Tray 1 (F1) Lift Motor
3	Toner Feed Motor	23	Tray 2 (F2) Lift Motor
4	Toner Agitator Motor	24	Tray 3 (F3) Lift Motor
5	Drum Cleaning Motor	25	Belt Centering Motor
6	Fusing Motor	26	Transport Belt Motor
7	Used Toner Collection Motor	27	Registration Entrance Motor
8	Used Toner Bottle Motor	28	Registration Timing Motor
9	Drum Motor	29	Transfer Timing Motor
10	ITB/PTR Motor	30	Exit Motor
11	Development Motor	31	Registration Gate Motor
12	Invert Duplex Motor	32	Registration Shift Motor
13	Invert Exit Motor	33	Pressure Roller Lift Motor
14	Tray 1 (F1) Feed Motor	34	ADF Exit Motor*1
15	Tray 1 (F1) Transport Motor	35	ADF Scan Motor*1
16	Tray 2 (F2) Feed Motor	36	ADF Bottom Plate Lift Motor*1
17	Tray 2 (F2) Transport Motor	37	ADF Feed Motor*1

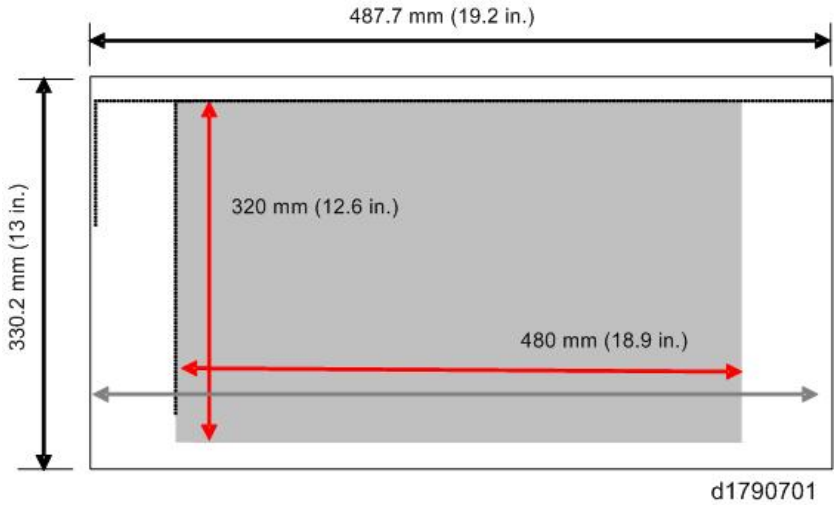
No.	Name	No.	Name
18	Tray 3 (F3) Feed Motor	38	ADF Pickup Roller Motor*1
19	Tray 3 (F3) Transport Motor	39	ADF Transport Motor*1
20	Bank Exit Motor	40	ADF Relay Motor*1

*1 Copier only

Important Features

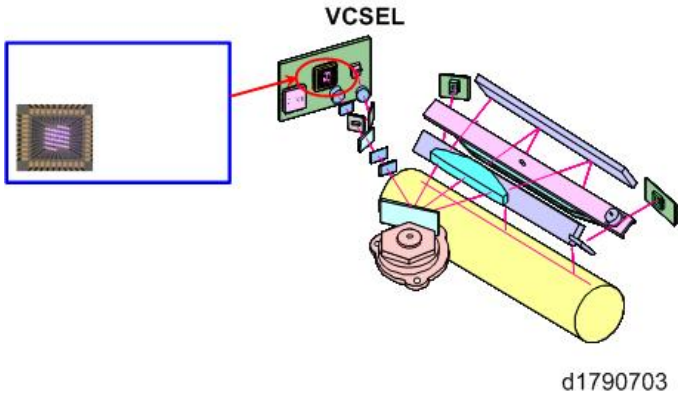
These important features are shared with the previous machine without modification.

Print Area, Warm-up Time



Max. print area	320 x 480 mm (12.6 x 18.9 in.)
Warm-up time	Less than 360 sec. (23°C, 73.4°F)

Laser Unit



This machine uses VCSEL technology. VCSEL (Vertical Cavity Surface Emitting Laser) is a two-dimensional array of 40 beams, with a resolution of 1200 x 4800 dpi. During two-sided printing, some paper may shrink or swell due to heat after passing through the fusing unit on the first pass. This small change in the paper size can cause inaccurate registration on the 2nd side. VCSEL compensates for this in two ways:

- **Magnification correction (sub scan direction).** Image magnification adjustment for the back side can be set

by the operator. This feature is a new parameter in the Paper Library.

- **Pixel clock frequency (main scan direction)**. The image can be adjusted front-to-back in increments of 1/48 of a dot, to avoid mismatch between front/back registration.

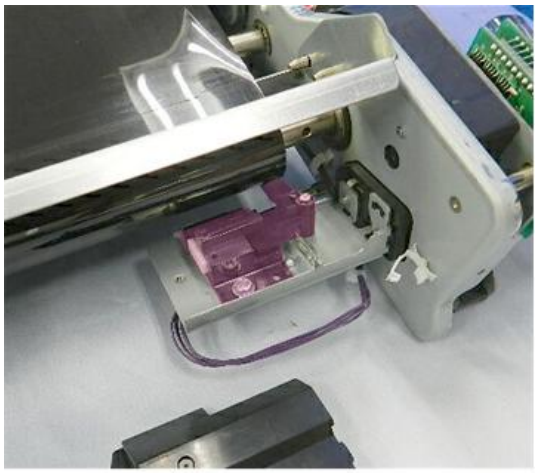
VCSEL also keeps the strength of the laser beams at a constant level by regulating the strength of the beams with optical waveform correction. This correction is especially important for the reproduction of thin diagonal lines. The machine calculates the optimum optic settings for each color and uses an ND filter to adjust the settings.

Power Switch

d1790712

This machine has a power indicator (LED) on the operation panel. The operation power switch is located at the left, front corner of the machine.

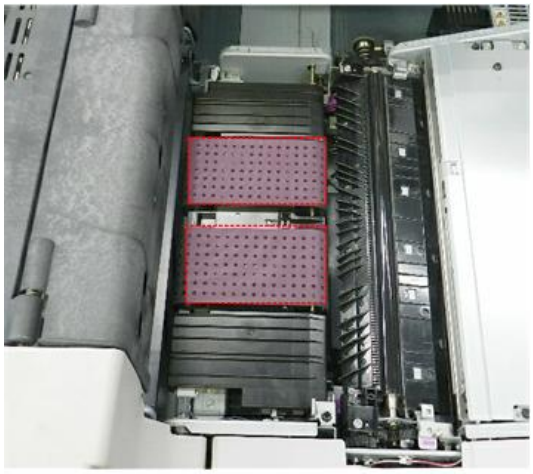
ITB Centering Control



d1790704

A centering control sensor at the upper right corner of the ITB unit monitors the rear edge of the belt to check its position. If the belt goes off center, a motor, roller, cable mechanism corrects the position of the belt.

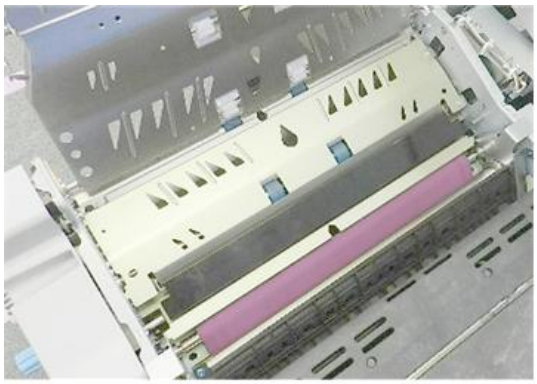
PTB Unit



d1790705

There are two transport belts and two fans that hold the paper and move it into the fusing unit.

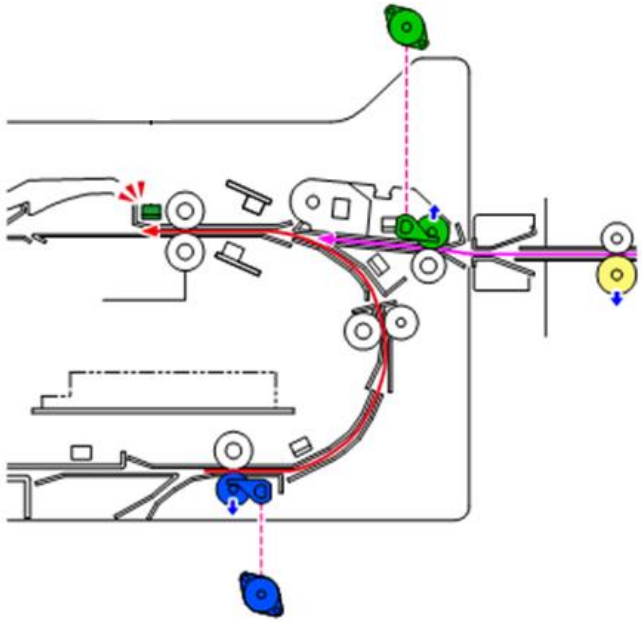
Cooling Belt



d1790706

There is one cooling belt.

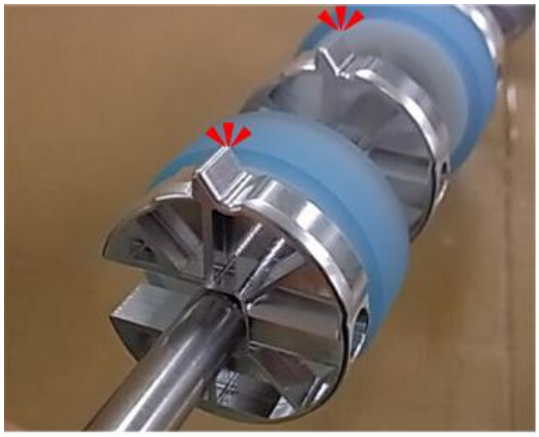
Main and LCT Relay Rollers



d1790707

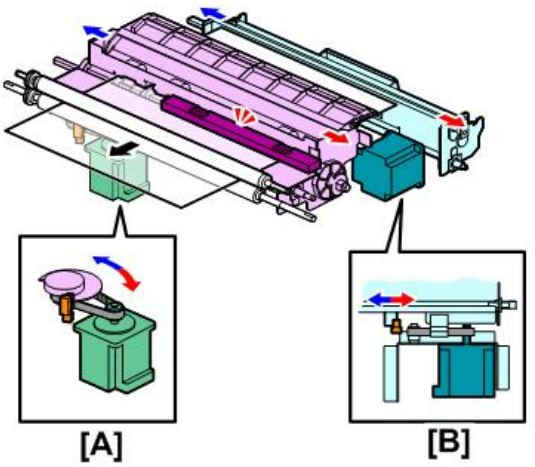
The opening and closing of the main relay rollers and LCT relay rollers is controlled by two separate motors, not solenoids. These rollers are opened to free the paper for skew correction and image registration.

Skew and Paper Registration



d1790708

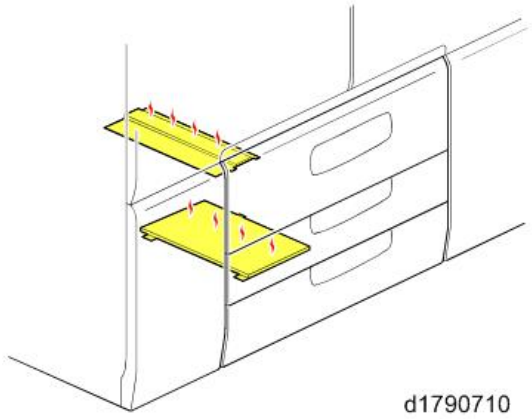
The gates are mounted on a roller that stops the paper for skew correction. The roller is raised and lowered by the registration timing motor.



d1790709

There are two shift units used to position the paper for image registration. The LE (leading edge) shift unit [A], located near the leading edge of the paper at the registration gate roller, grips the paper and adjusts the position in the main scan direction (front-to-rear). The TE (trailing edge) shift unit [B] (at the right toward the trailing edge) performs the same function. However, the TE shift unit operates only for paper larger than A4 SEF.

Paper Bank Heaters

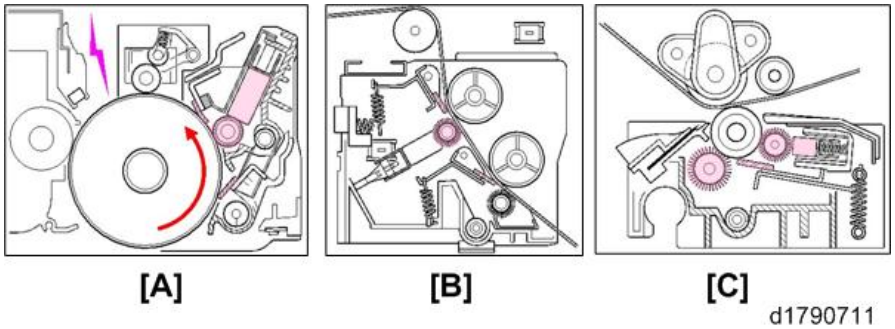


d1790710

There are two paper bank heaters.

- One is below Tray 1 and the other is below Tray 3.
- The heaters are connected to the AC control board at the back of the machine.
- Installation and connection of the heaters for this machine require removal of the rear cover.
- The heaters can be connected to remain on always, or to switch on only when the main machine has been switched off. For more details, please refer to the main machine installation section.

Common Cleaning Mechanisms

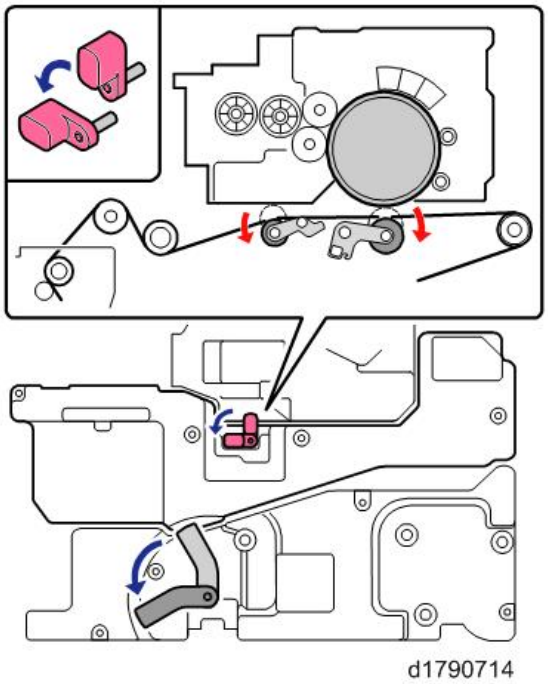


This machine employs the same cleaning mechanisms for [A] Drum cleaning unit, [B] ITB cleaning unit, and [C] PTR cleaning unit. Although the configuration of each unit is different, they all use a dry lubricant (Zinc Stearate) supplied from a lubrication bar and applied with a lubricant (brush) roller. The PTR unit uses an additional cleaning brush roller.

Drum Charge

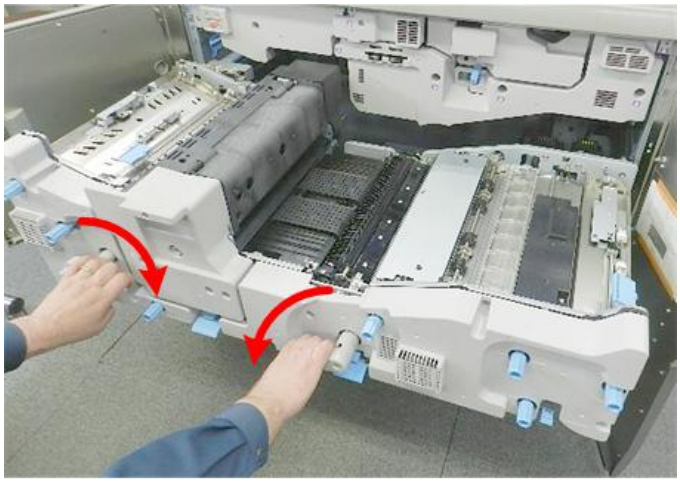
This machine does not use a charge roller. It uses a CGB (Charge, Grid, Bias) charge unit, identical to the charge units that employ the Scorotron method to charge the surface of the drum in other monochrome machines.

ITB Separation



Rotating a lever up and down raises the ITB against the drum and lowers it away from the drum. There is no motor or separation mechanism to separate the belt and drum when the machine is idle.

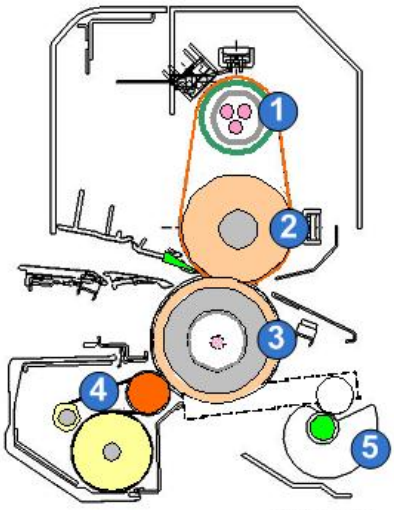
Drawer



d1790715

This machine has a single drawer opened from the front. It contains the paper path units for registration, paper separation, paper transport to fusing unit, fusing unit, cooling, and exit/invert unit.

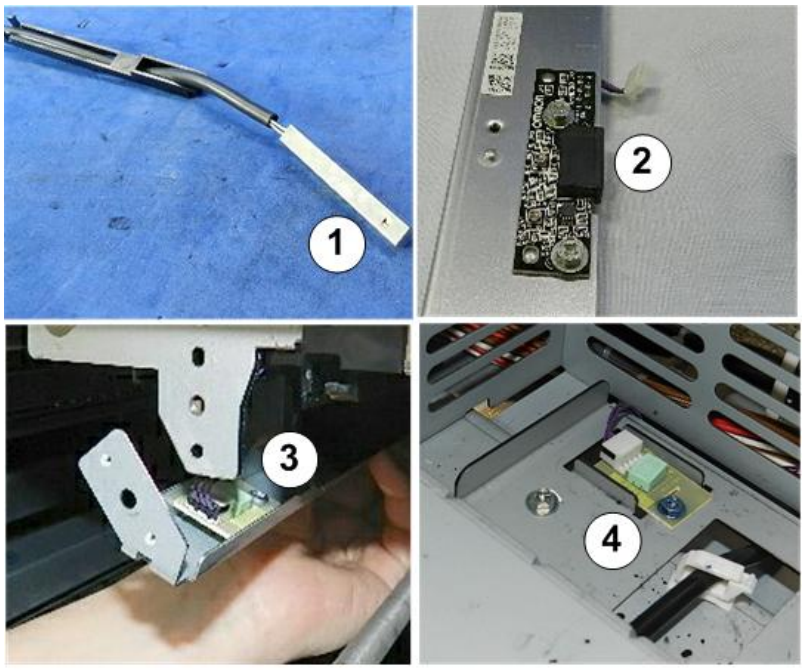
Fusing Unit



d1790717

A heating roller (1) heats the fusing belt which transfers heat to the hot roller (2), which applies heat to the paper and toner in the nip of the hot roller and pressure roller (3). Web fabric (4) is used to both clean and lubricate the surface of the fusing belt. Two cams (5) below the shaft of the pressure roller raise and lower the roller to vary the pressure at the nip. The cams are down when the machine is idle to relieve pressure at the nip (this prevents deformation of the rollers).

Process Control



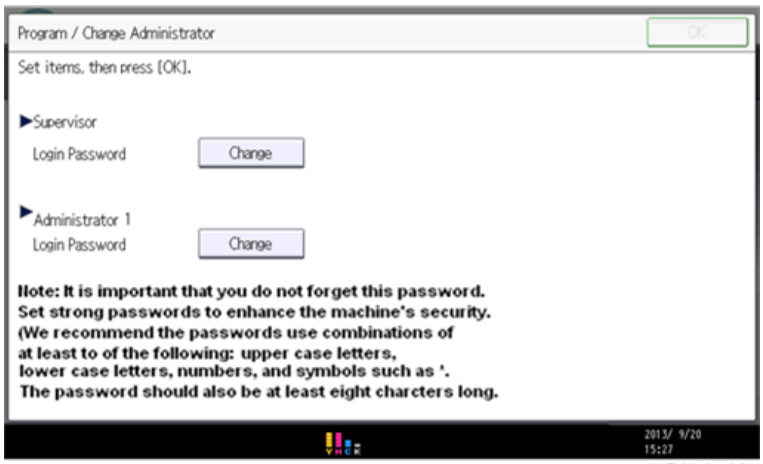
d1790718

①	Potential Sensor
②	ID Sensor
③	Temperature/Humidity Sensor – PCDU
④	Temperature/Humidity Sensor – Used Toner Bottle

This machine has only one potential sensor. There are no Music sensors for color registration correction. The ID sensor is the only sensor above the ITB.

Password Setting (Copier Model Only)

When the machine is turned on, a Program/Change Administrator screen appears if passwords have not been set.



d179b2100

- The machine is waiting for input of the Supervisor and Administrator login passwords.
- It is the responsibility of the site supervisor and administration to set these passwords. The administrator/supervisor also has the option of setting the machine for no password protection.

- The machine cannot be used until the passwords have been set, or the machine has been set for no password protection.
- The service technician bypass this screen temporarily with an SP code for full access to machine features (making sample copies, etc.) to install or service the machine The SP code to bypass the security screen is **SP5755-002**.

Tip Prevention Braces (Printer Model Only)

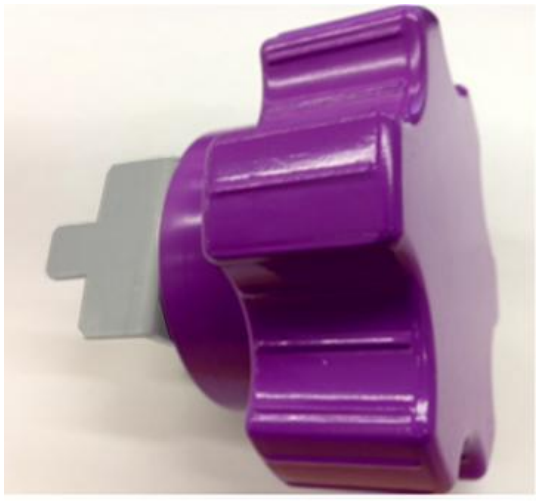
With no ADF on top of the machine, the printer model is slightly unstable, and may tip forward if the paper trays are full when they are pulled out of the machine. To prevent tipping, two braces are provided for the printer model.

m263b1028

At installation, the blocks are inserted and fastened with two screws each under the left and right front corners of the machine.

Drum Knob Fastening Tool

This service part is used to tighten the drum knob completely. If the knob is not tightened completely, this can cause the developer/toner mixture to collect on the magnetic roller and scratch the drum. (Drum Knob Tool)



d179b4029

LCIT Units

d1790719

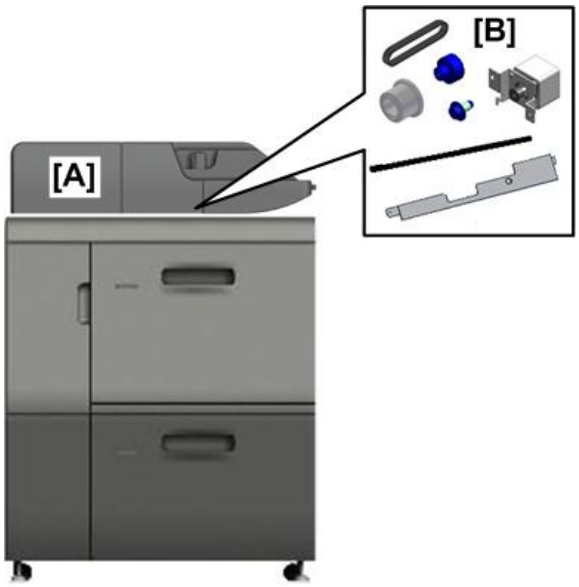
The LCIT RT5070 (left) and LCIT RT5080 are both the same height as the main machine. This makes LCT installation and installation of the Multi Feed unit on top of either LCT much easier.

Vacuum Feed LCIT RT5100

m263b0020

The Vacuum Feed LCIT [A] is the third large capacity tray that can be used with either the copier or printer version of this machine.

- This LCIT contains fans that provide air separation for each sheet during paper feeding.
- With the installation of the Bridge Unit BU5010 [B], another Vacuum Feed LCIT [C], LCIT RT5080 (A3) or LCIT RT5070 (A4) can be installed in the line.

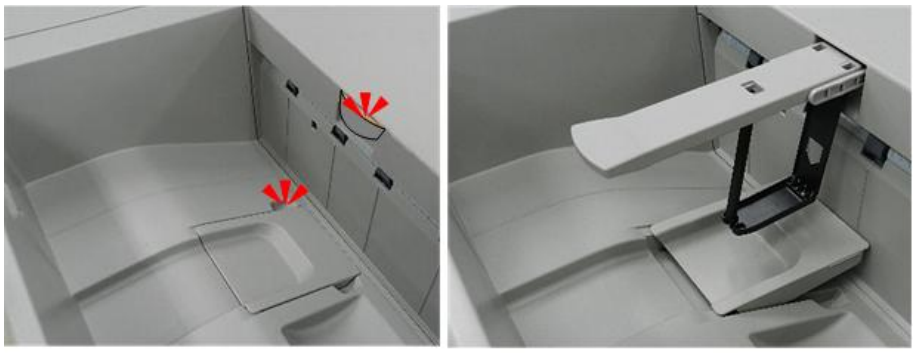


d270b0044

Important

- The Multi Bypass Tray BY5010 [A] can be installed directly on either the LCIT RT5080 (A3) or LCIT RT5070 (A4). However, some adjustments and alterations are required with Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 [B] before the Multi Bypass Tray can be installed on the Vacuum Feed LCIT RT5100.

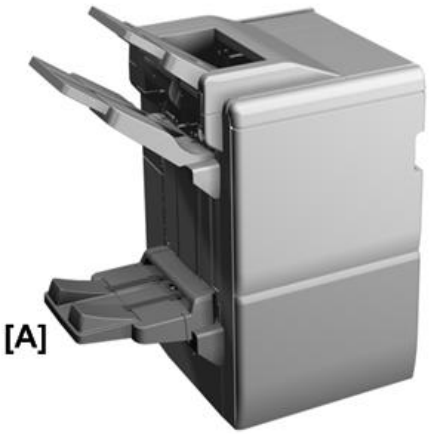
Multi Fold Unit



d1790720

The auxiliary tray and flexible page depressor are built into the unit. The auxiliary tray keeps Z-folded paper flat in the tray so that the trailing edges do not trigger an early tray full alert in the top tray. The flexible page depressor prevents folded paper from opening out and triggering an early tray full alert in the top tray.

Booklet Finisher Tray



d270b0721

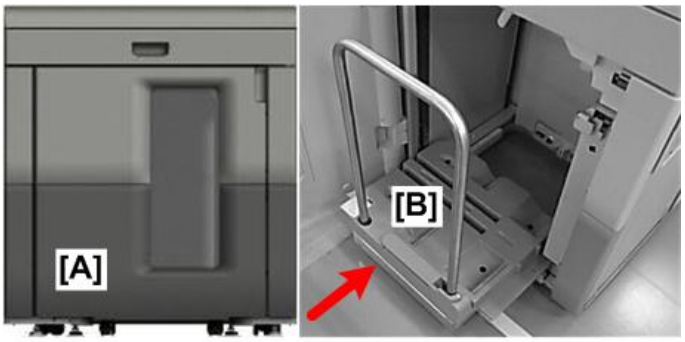
The booklet tray [A] of the Booklet Finisher SR5060 can be easily attached and detached by the operator as required. No installation is needed.

A3/11"x17" Tray Unit TK5010

m263b0017

The A3/11"x17" Tray Kit can be installed to replace the left and right tandem trays in Tray 1 for the dedicated feed of either A3 or 11"x17" large size paper. The kit is set for either A3 or 11"x17" size paper at installation.

High Capacity Stacker SK5030



m263b0018

High Capacity Stacker SK5030 [A] stacks up to 5,000 sheets of large-size paper, or 2,500 sheets of small-size paper on a roll-away cart [B] (Roll-Away Cart Type 5010). Up to two of these units can be installed in the same line. The Roll-Away Cart is provided with the Stacker and requires assembly.

RPIP Interface Box Type S3 (M462)

m263b0019

This is a small device that allows the main machines to be connected to peripheral devices manufactured by third party vendors. The parameters for the operation of the third party device are written to the box with a parameter setting tool.

Main Machine and Peripherals

Main Machine

Copier Version Area Codes

Code	Area	Power
-17	North America/Central, South America	208-240V, 20A, 50/60 Hz
-57	North America/Central, South America	208-240V, 20A, 50/60 Hz
-61	China	220-240V, 16A, 50/60 Hz
-67	Asia/Pacific, Europe/Russia/Middle, Near East/Taiwan	220-240V, 16A, 50/60 Hz

Copier Version Names

Name	Production Name
Pro 8200EX	D270 (96 ppm)
Pro 8200S	D270 (96 ppm)
Pro 8210S	D271 (111 ppm)
Pro 8220S	D272 (136 ppm)

Printer Version Names

Name	Production Name
Pro 8210Y	M0AA (111 ppm)
Pro 8220Y	M0AB (136 ppm)

Printer Version Area Codes

Code	Area	Power
-17	North America/Central, South America	208-240V, 20A, 50/60 Hz
-27	Europe, Russia, Mediterranean, Africa, Asia, Pacific, China	220-240V, 16A, 50/60 Hz

Options

Peripheral Devices (Copier/Printer)

- A3/11"x17" Tray Unit TK5010 (B331)
- Booklet Finisher SR5060 (D734) (Booklet, corner stapling both)
- Bridge Unit BU5010 (D778)
- Card Reader Tray Type 1075 (B498-01)
- Cover Interposer Tray CI5030 (D738)
- Cover Interposer Tray for Perfect Binder Type S1 (D736)
- Decurl Unit DU5050 D3DR (New)
- Double-Feed Kit S7 D3DS (New)

- EFI Accessory Kit (New)
- Finisher SR5050 (D735) (Corner stapling only)
- High Capacity Stacker SK5030 (D776)
- Key Counter Bracket Type 1027 (B452) ***1**
- LCIT RT5070 (D733)
- LCIT RT5080 (D732)
- Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 (D777)
- Multi Bypass Banner Sheet Tray Type S3 (D517) (New)
- Multi Bypass Tray BY5010 (D517)
- Multi-Folding Unit FD5020 (D740)
- Optional Counter Interface Unit Type A (B870)
- Perfect Binder GB5010 (D736)
- Printer Controller EB-34 (D3DT)
- Punch Unit PU5020 NA, EU, SC (D449)
- RPIP Interface Box Type S3 (M462)
- Ring Binder RB5020 (D737)
- Roll-Away Cart Type 5010 (D456)
- Transit Pass Unit for Perfect Binder Type S1 (D736)
- Trimmer Unit TR5040 (D520)
- Vacuum Feed Banner Sheet Tray Type S3
- Vacuum Feed LCIT RT5100 (D777)
- Vacuum Feed LCIT Tray Heater

***1**	**Copier version only**

Controller Options

Item	Comment
Bluetooth Interface Unit Type D (D566)	Hardware (PCB, etc.)
Copy Connecter Type 3260 (B328)	PCB
Copy Data Security Unit Type G (D640)	PCB
EFI Accessory Kit (Fiery Controller)	Hardware
File Format Converter Type E***1**	Hardware (PCB, etc.)
IEEE 1284 Interface Board Type A (D3DV)	Hardware (PCB, etc.)
IEEE 802.11a/g/n Interface Unit Type M2 (D3DV)	PCB
IPDS Unit Type S7 (Copy Model) (D3DV)	SD card
IPDS Unit Type S8 (Printer Model) (D3DV)	SD card
Korean Language Kit Type S1 (D270)	SD card
OCR Unit Type M2***1**	SD card
PostScript3 Unit Type S7 (Copy Model) (D3DV)	SD card
PostScript3 Unit Type S8 (Printer Model) (D3DV)	SD card

Item	Comment
Printer Controller EB-34 (D3DT)	SD card
Taiwan Language Kit Type S5 (D270)	SD card
Unicode Font Package for SAP(R) (B869)	SD card
⁎1 Copier model	

Discontinued Options

The following items have been discontinued or replaced for this series:

- Browser Unit Type S1/S2 (SD card) for Copier
- Data Overwrite Security Unit Type H (SD card) for Copier
- Printer/Scanner Unit Type S1 (SD card) replaced for Copier
- SD Card for Fonts Type D (Near, Middle East Only)(SD card)
- SD card for NetWare printing Type S1/S2 (SD card)

Consumables (Copier/Printer)

Item	
Glue Supply Type A (B917)*1	
Refill Staple Type M*2	
Refill Staple Type T Staples*3	
Ring Cartridge A4 Type RB5000 (D421)*4	
Ring Cartridge LT Type RB5000 (D421)*4	
Ring Opener Type A (D419)*4	
Ring Supply A4 Black 100 Type A (D392)*4	
Ring Supply A4 Black 50 Type A (D392)*4	
Ring Supply A4 White 50 Type A (D392)*4	
Ring Supply LT Black 100 Type A (D392)*4	
Ring Supply LT Black 50 Type A (D392)*4	
Ring Supply LT White 100 Type A (D392)	
Ring Supply LT White 50 Type A (D392)*4	
Staple Type M Cartridge*2	
Staple Type U Cartridge*3	
⁎1 Perfect Binder GB5010 (D736)	
⁎2 Finisher SR5050 (D735) Corner stapling only	
⁎3 Booklet Finisher SR5060 (D734) Booklet, corner stapling both	
⁎4 Ring Binder RB5020 (D737)	

Item	

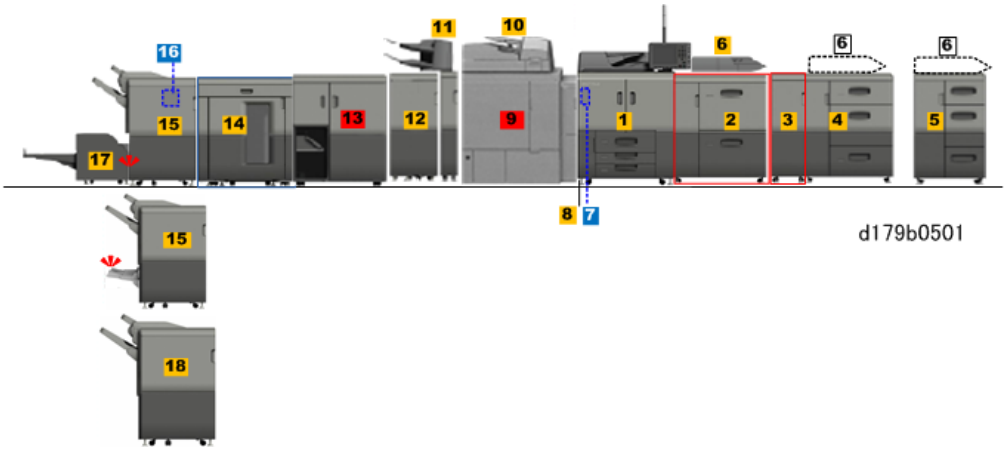
TCRU Kits

TCRU/ORU Type 8200 Set A (D3DZ)*5
TCRU Type 8200 Set B (D3E0) *5

Important

The TCRU kits for this series are not compatible with the TCRU kits of the previous series.

Peripheral Configuration Rules

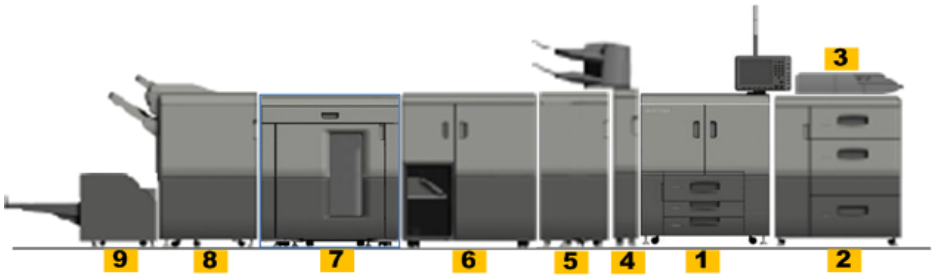


1	Main Machine (Copier or Printer)
2	LCIT RT5080 (D732)
3	Bridge Unit BU5010 (D778)
4	Vacuum Feed LCIT RT5100 (D777)
5	LCIT RT5070 (D733)
6	Multi Bypass Tray BY5010 (D517)
7	Decurl Unit DU5030 (D741)
8	Transit Pass Unit for Perfect Binder S1 (D391)
9	Perfect Binder GB5010 (D736)
10	Cover Interposer Tray for Perfect Binder Type S1 (D736)
11	Cover Interposer Tray CI5030 (D738)
12	Multi-Folding Unit FD5020 (D740)
13	Ring Binder RB5020 (D737)
14	High Capacity Stacker SK5030 (D776)
15	Booklet Finisher SR5060 (D734) (Corner, center stapling)
16	Punch Unit PU 5020 - NA/EU/SC
17	Trimmer Unit TR5040 (D520)
18	Finisher SR5050 (D735) (Corner stapling only)

- Up to two large capacity trays [2], [4], [5] with a bridge unit [3] can be installed on the right side of the machine.
- The Vacuum Feed LCIT [2] requires the Bridge Unit BU5010 [3] to connect to another LCIT.
- The Multi Bypass Tray [6] can be installed on the Vacuum Feed LCIT RT5100 [2], LCIT RT5080 (A3) [4], or LCIT RT5070 (A4) [5]. However, the Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3 is required for installation of the Multi Bypass Tray on the Vacuum Feed LCIT [2].
- The Decurl Unit [7] is installed inside the left side of the main machine.
- Either the Perfect Binder [13] or the Ring Binder [14] can be installed, but these units cannot be installed together in the same line.
- If the Multi Folding Unit [15] is installed, the Booklet Finisher [15] or Finisher [18] must be installed as the last unit downstream.
- The Trimmer Unit [17] can be attached only to the Booklet Finisher [15] not the Finisher [18]. (The Trimmer Unit can handle only saddle-stitched documents, not corner stapled documents.)
- The booklet tray of the Booklet Finisher [15] must be removed in order to install the Trimmer unit [17]. If the Trimmer Unit is removed from the line, the booklet tray must be re-installed on the Booklet Finisher.

Example Configurations

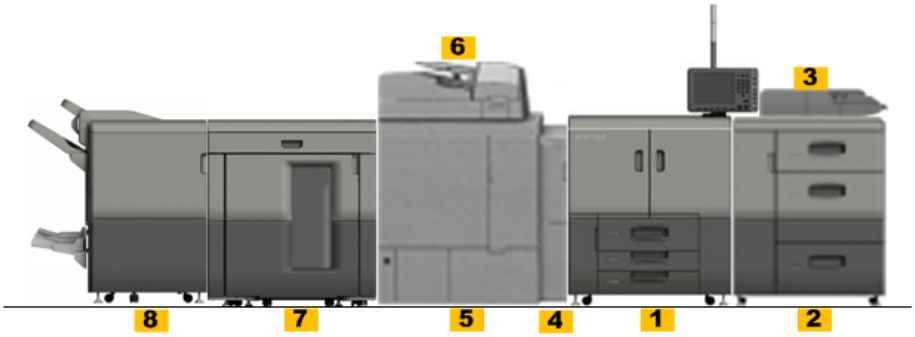
Example 1



d179b0502

1	Main Machine (Copier or Printer)
2	LCIT RT5080 (A3)
3	Multi Bypass Tray BY5010
4	Cover Interposer Tray CI5030
5	Multi-Folding Unit FD5020
6	Ring Binder RB5020
7	High Capacity Stacker SK5030
8	Booklet Finisher SR5060
9	Trimmer Unit TR5040

Example 2



d179b0503

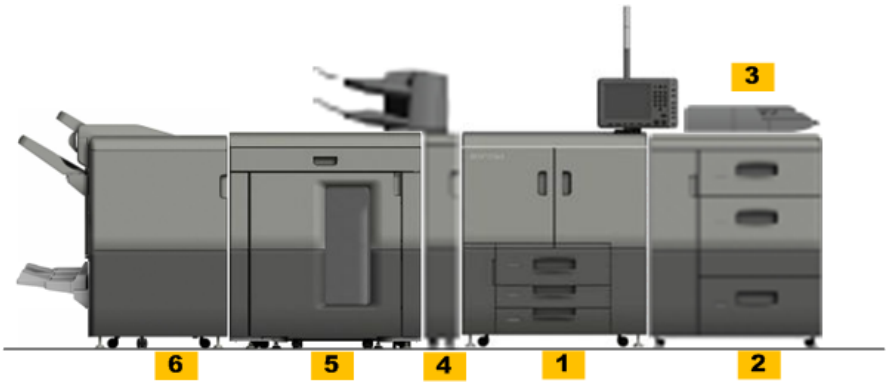
1	Main Machine (Copier or Printer)
2	LCIT RT5080 (A3)
3	Multi Bypass Tray BY5010
4	Transit Pass Unit for Perfect Binder Type S1
5	Perfect Binder GB5010
6	Cover Interposer Tray for Perfect Binder Type S1
7	High Capacity Stacker SK5030
8	Booklet Finisher SR5060

Example 3

d179b0504

1	Main Machine (Copier or Printer)
2	LCIT RT5080 (A3)
3	Multi Bypass Tray BY5010
4	Multi-Folding Unit FD5020
5	High Capacity Stacker SK5030
6	Booklet Finisher SR5060
7	Trimmer Unit TR5040

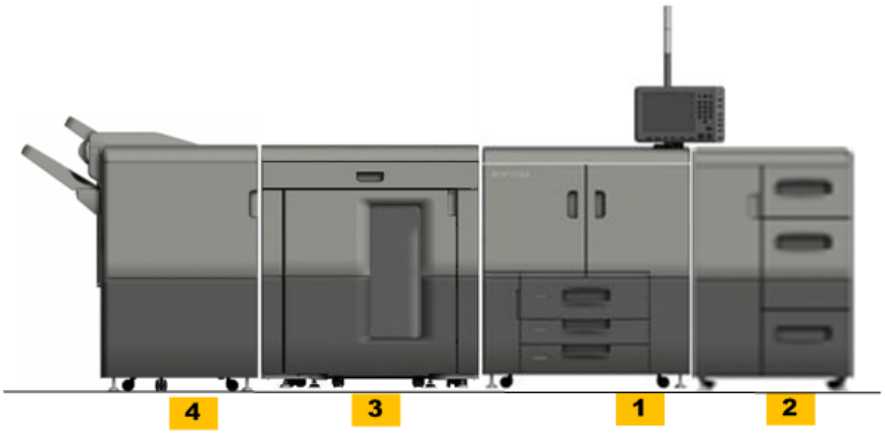
Example 4



d179b0505

1	Main Machine (Copier or Printer)
2	LCIT RT5080 (A3)
3	Multi Bypass Tray BY5010
4	Cover Interposer Tray CI5030
5	High Capacity Stacker SK5030
6	Booklet Finisher SR5060

Example 5



d179b0506

1	Main Machine (Copier or Printer)
2	LCIT RT5070
3	High Capacity Stacker SK5030
4	Finisher SR5050

Example 6

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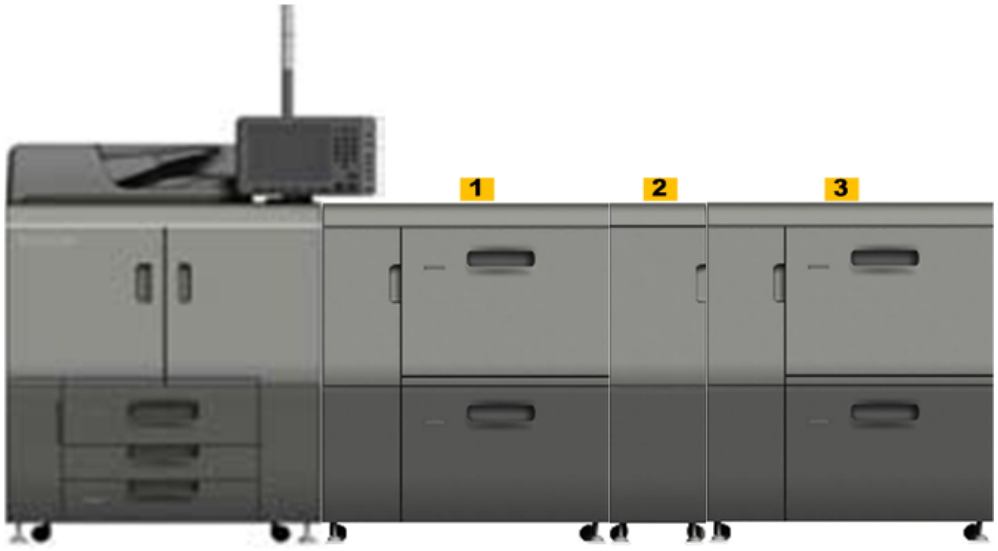
1	Vacuum Feed LCIT RT5100 D777
2	Bridge Unit BU5010
3	A3 LCIT

Example 7



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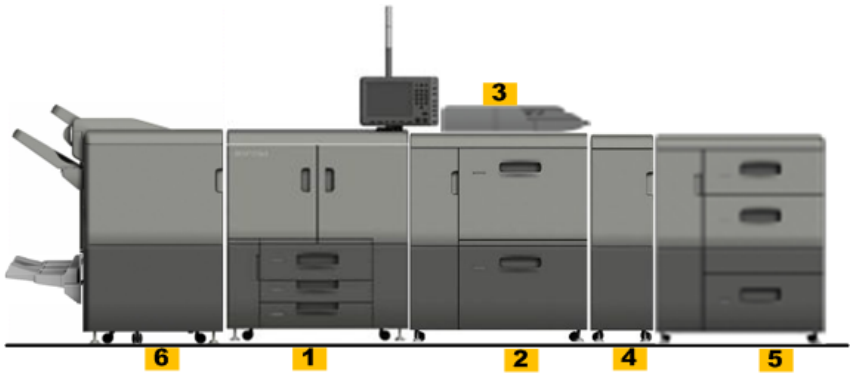
1	Vacuum Feed LCIT RT5100
2	Bridge Unit BU5010
3	Vacuum Feed LCIT RT5100

Example 8



1	Main Machine (Copier or Printer)
2	Vacuum Feed LCIT RT5100
3	Multi Bypass Tray BY5010
4	Bridge Unit BU5010
5	LCIT RT5080
6	Booklet Finisher SR5060

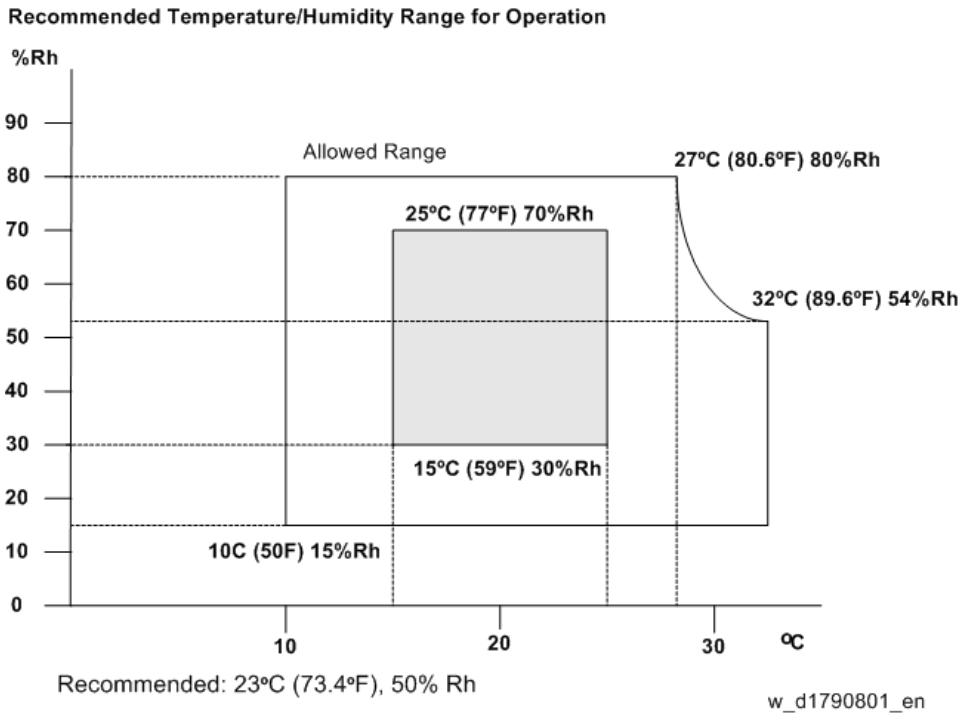
Specifications

See "Appendices" for the main machine and peripheral specifications.

2. Installation

Installation Requirements

Operating Environment



Item	Details
Target Temperature & Humidity	23°C (73.4°F), 50% RH
Temperature range	10° to 32°C (50° to 90°F) Perfect Binder: 15° to 30°C (59° to 86°F)
Humidity range	15 to 80% RH
Ambient illumination	Less than 1500 lux
Ventilation	Air turnover rate of more than 30m^3/hr/person
Ambient dust	Less than 4.0 mg/m^3

Important

- If the machine is installed in a location where the ambient temperature is more than 30°C (86°F), do not run a job longer than 2 hours.
- Never turn the main power switch off immediately after a long print job. Leave the machine on so that the fans can expel the hot air from the machine and cool the electronic components.
- If this machine is to be used in a location where both temperature and humidity are high, the tray heaters (options) should be installed and connected. For details, please refer to “Main Machine” in the “Installation” section.

⚠CAUTION

- Make sure that the power cord is rated 240V 20A (or 240V 15A) for the Pro8200EX main machine breaker switch.

1. If the installation site has air-conditioners or heaters, put the machine in a location that agrees with these conditions:
   - Where there are no sudden temperature changes from low to high, or high to low.
   - Where the machine will not be directly exposed to cool air from an air conditioner in the summer.
   - Where the machine will not be directly exposed to reflected heat from a heater in the winter
2. Do not put the machine where it will be exposed to corrosive gases like ammonia.
3. Put the machine on a strong level surface. The front and rear of the machine must be level ±2.5 mm (0.1").
4. Never put the machine where it can be subjected to strong vibration.
5. Never connect the machine to a power source shared with other electrical devices.
6. The machine can generate an electromagnetic field which can cause interference with radio or television reception.

Power Requirements

Important

- Make sure that the wall outlet is near the mainframe.
- Keep the area around the power outlet open and free of clutter so the operator can get to it easily and quickly.
- Make sure the plug connection to the power outlet is tight.
- Do not connect more than one electrical device to the same power outlet.
- Be sure to ground the machine.
- Never place anything on the cord and never wrap the cord around itself or around another object.

Input voltage level

North America	208 to 240V, 50/60 Hz: More than 20 A
Europe/Asia	220/230/240V, 50/60 Hz: More than 16 A

Permissible voltage fluctuation: ±10%

Breaker Switch

The machine is equipped with a breaker switch located at the rear, lower right corner. Inspect and test the breaker switch at least once a year.

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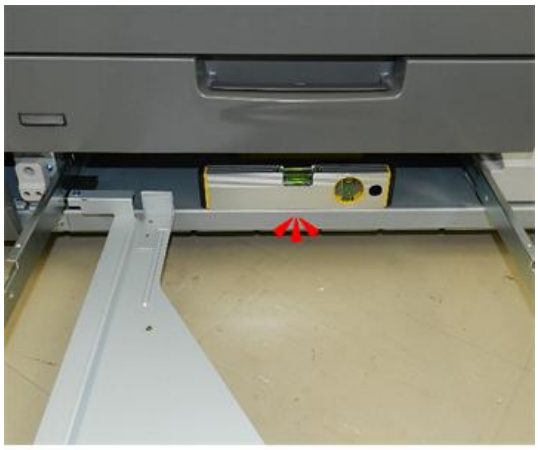
Important

- If the breaker switch appears dirty and covered with soot, it probably requires replacement.

Machine Level



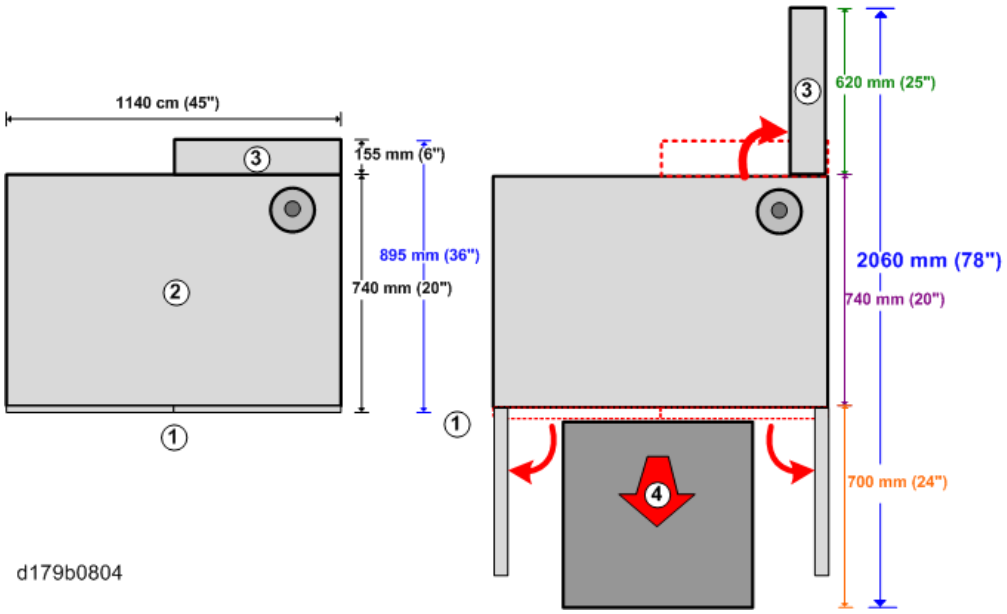
d1790917

- The machine must be leveled (right to left) within 5 mm (0.2”)
- The machine feet can be rotated to raise and lower each corner of the machine until it is level.

Space Requirements

Put the mainframe near the power source. Consideration should be given not only to machine operation, but servicing the machine as well, with front doors and rear boxes fully open.

Space Around the Main Machine



The illustration above is a top view of the main machine. This illustration is not drawn to scale. Measurements are rounded up slightly, but they will allow you to estimate how much space will required to work around the machine and service the machine without moving it.

- Approximately 620 mm (25 in.) clearance required behind the machine with the control box open.
- Approximately 700 mm (28 in.) at the front of the machine with both front doors open and the drawer pulled out.

No.	Part	Range of Movement
1	Front Doors	Both doors swing open to the front
2	Main Machine	Remains stationary.
3	Controller Box	Swings open to the rear
4	Front Drawer	Pulls out to the front for servicing (fusing unit, registration unit, PTR unit, PTB unit etc.)

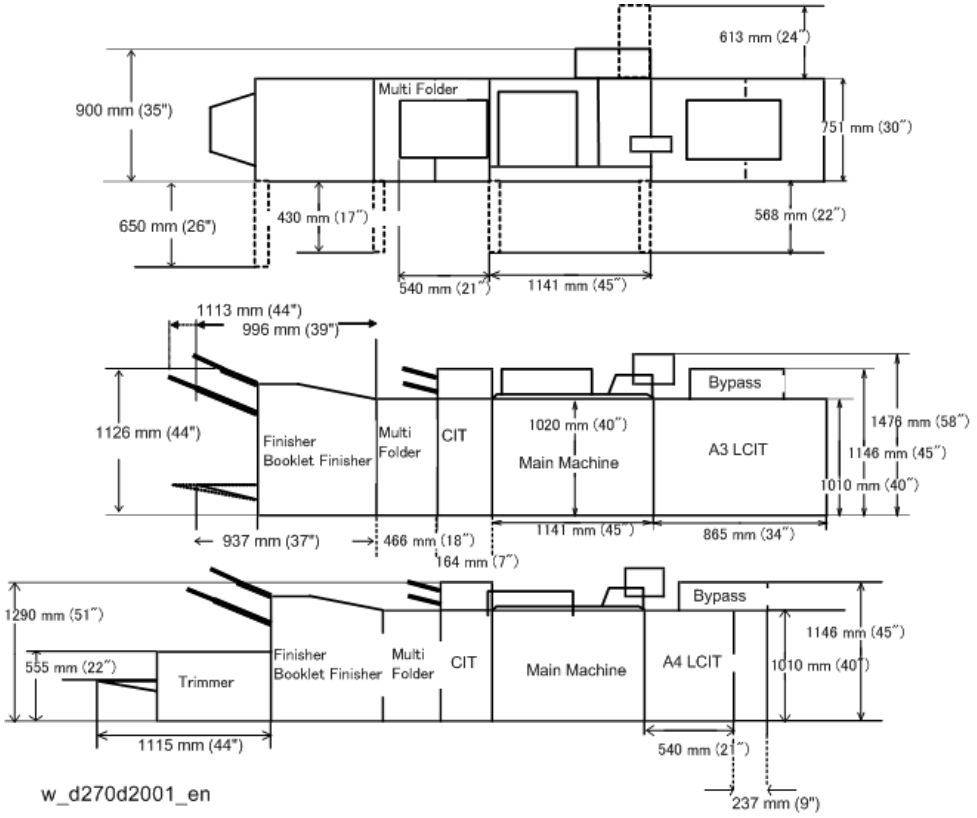
- The controller box is on hinges and can be swung open to the rear in order to service parts on the back of the machine (motors, sensors, etc.).
- The front doors swing open to the front, and then the front drawer can be pulled out the front of the machine on rails for servicing.

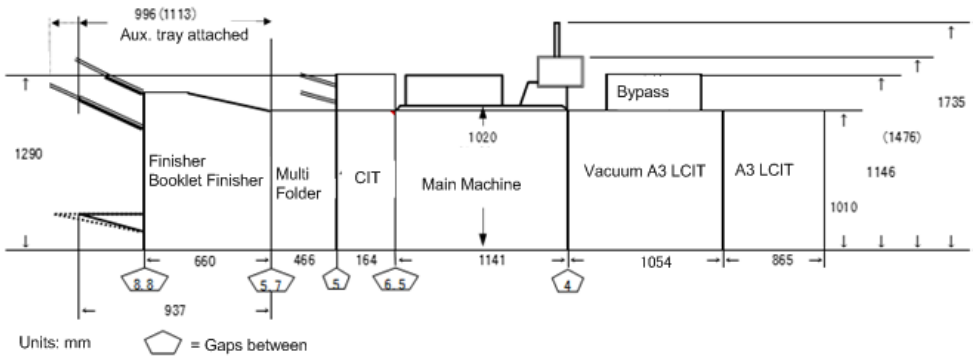
Note

- According to specifications, at installation there must be at least 200 mm (8 in.) between a wall and the back of the machine. However, please remember that at least 650 mm (25 in) of space is required in order to open the control box for servicing.

System Dimensions

Top and Side Views





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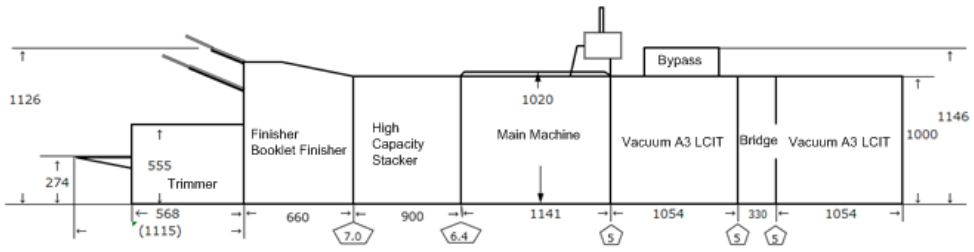

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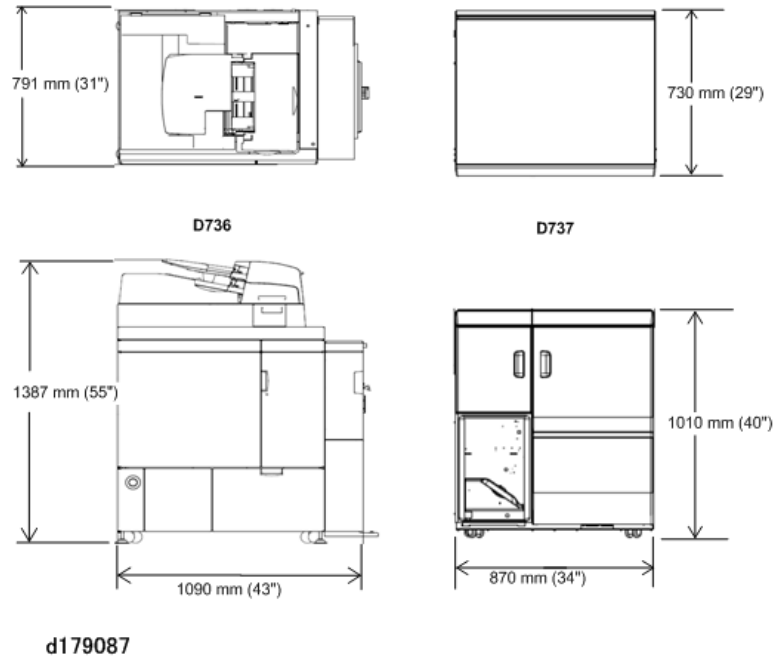
Perfect Binder and Ring Binder



Main Power and Operation Power Switch

The main power switch is located inside the front left door. This machine should be left on at the end of the work day.

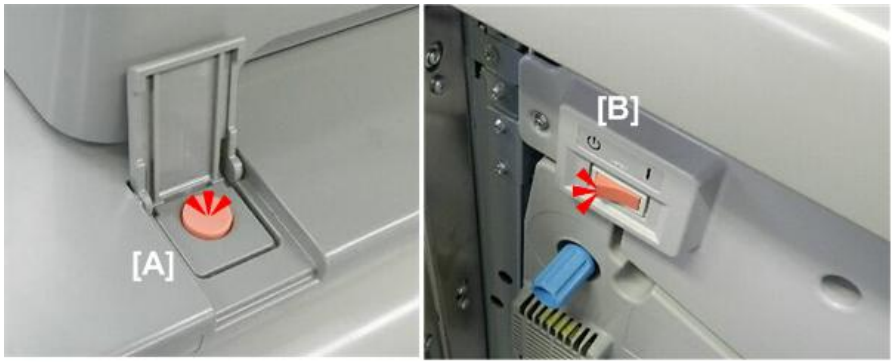
Important

The main power switch should always be turned off before servicing the machine.

Always follow the procedure below to shut down the machine before servicing.

⚠WARNING

- Never turn the machine on with the LD unit or the canopy cover removed.



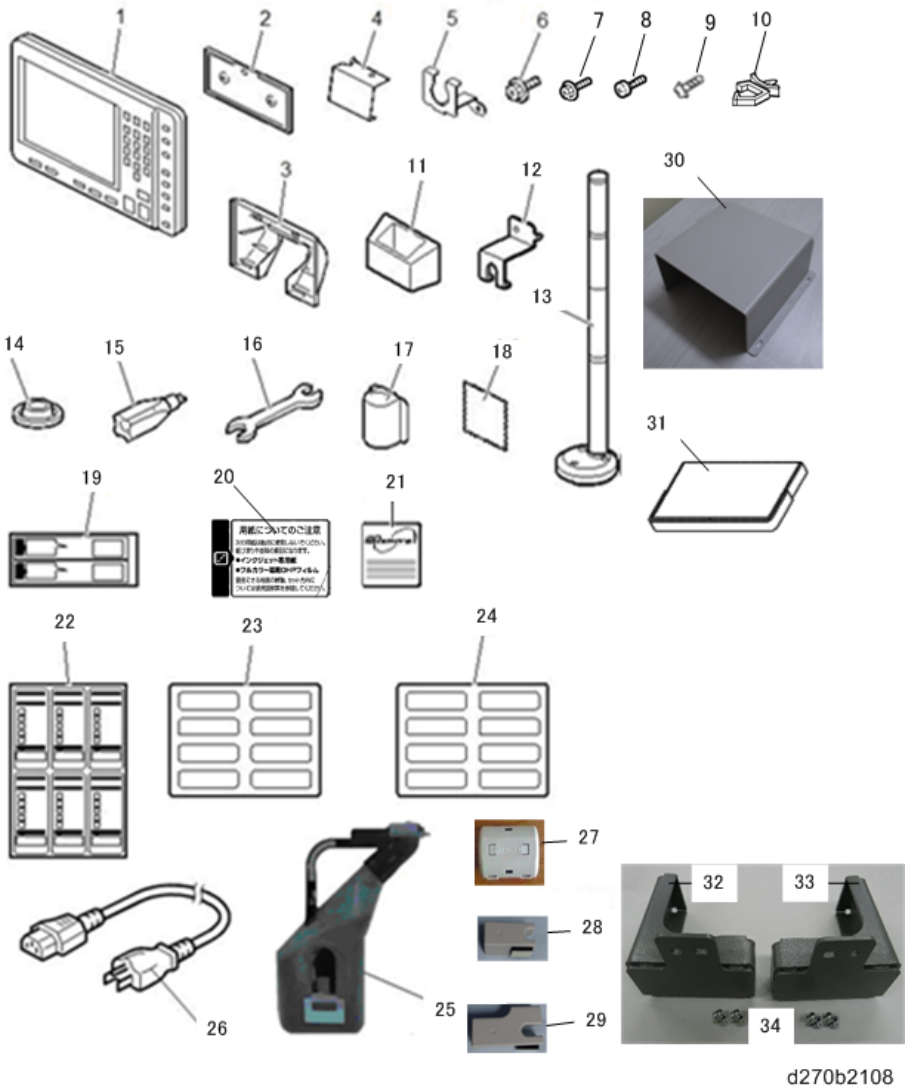
1. Push the operation power switch [A] on the front left corner of the machine.
2. A message appears and tells you to wait until the machine powers down completely. This gives the hard disk drive enough time to stop rotating and to shut down safely before the machine loses power.
3. Wait for the operation panel to switch off.
4. Open the left door and turn off the main power switch [B].

5. Unplug the machine from the power source.
6. Allow the machine to cool for a few minutes.
    - The polygon motor may continue to rotate for approximately one to three minutes after the machine has been switched off.
    - This also allows time for the fusing unit to cool.

Main Machine

Accessories

Check the items in the box to make sure that you have all the accessories.

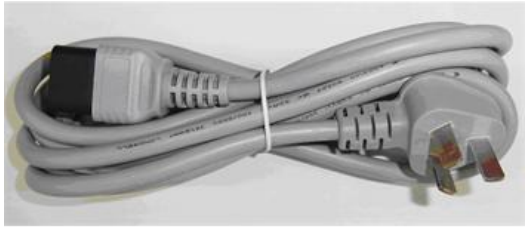


No.	Description	Q'ty	Comments
1	Operation Panel	1	
2	Flat Plate	1	
3	Curved Bracket	1	
4	Harness Bracket	1	
5	Power Cord Bracket	1	
6	Tapping Screw (M4x8)	1	
7	Hex Screw - Small (M4x6)	4	
8	Bind Screw (M4x6)	4	
9	Tapping Screw (M3x6)	1	

No.	Description	Q'ty	Comments
10	Clamp	1	
11	Cleaning Cloth Holder	1	Copier
12	USB Slot Bracket	1	
13	Status Lamp	1	
14	Shoes	4	
15	Fusing Unit Knob	1	
16	Wrench	1	
17	Fusing Knob Holder	1	
18	Exposure Glass Cleaning Cloth	1	Copier
19	Paper Set Decals	3	
20	Printing Precaution Decal	1	No Inkjet Paper (NA, CHN)
21	@Remote Decal	1	
22	ADF Precaution Decal	1	Originals
23	Operation Panel Function Key Decal	1	Blank
24	Operation Panel Function Key Decal	1	EU, NA, or CHN
25	Developer Bottle	1	
26	Power Cord	1	250V 16A: EU, CHN 250V 20A: NA
27	Ferrite Core	1	GRFC-13
28	ITB Jig - Small	1	ITB Roller
29	ITB Jig - Large	1	Cleaning Belt
30	Rear Vent Cover	1	Pro 8220S, Pro 8220Y only
31	Ozone Filter	1	Pro 8220S, Pro 8220Y only
32	Tip Prevention Brace - Lower Left	1	Printer
33	Tip Prevention Brace - Lower Right	1	Printer
34	Pan Head Screws	4	

Note

A separate power cord is provided for China with the Chinese decal kit. The power cord for China is 3 m long and the cord for other areas 4 m long. In China do not use the power cord provided with the machine. Use the 3 m power cord provided with the Chinese decal kit and dispose of the 4 m power cord provided with the machine.



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Here is a list of items that are not listed in the table above but may be provided, depending on your geographic

area.

Item	EU	NA	CHN
CD-ROM DRV/OI: BA-C2 - Chinese	N	N	Y
CD-ROM DRV: BA-C2	Y	Y	N
CD-ROM DRV: BA-P2	Y	Y	N
CD-ROM OI_A: BA-C2	N	Y	N
Ferrite Core Bands 150 mm	Y	Y	Y
Logo Name Plate	N	Y	N
Read This First	N	Y	N
Read This First - Chinese	N	N	Y
Ricoh Plate - RIC	N	Y	N
Telephone Number Sticker	N	N	Y
Tray Decal - Chinese	N	N	Y
Tray Decals	Y	N	N
User's Guide - Chinese	N	N	Y

Installation Flow

1	Rating Voltages for Connection Points
2	Remove Tapes, Shipping Materials
3	Install Operation Panel
4	Status Light
5	Power Cord, Cable Clamp
6	Fusing Roller Knob Holder, ITB Jigs
7	Exposure Glass Cleaning Cloth and Holder (Copier Only)
8	Name Plate
9	Attaching the Decals
10	Clean the Exposure Glass (Copier Only)
11	Level the Main Machine
12	Rear Vent Cover
13	Test the Breaker Switch
14	Turning the Machine On/Off
15	Install Toner Bottles
16	Paper Library Data Installation
17	Tip Prevention Braces (Printer Only)
18	Paper Trays
19	SMC Report
20	Test Print
21	Check and Adjust Image Areas after Installation or Moving

22	Connect Ethernet Cable (Copier Only)
23	Moving and Transporting the Machine
24	Heater Options
25	TCRU Set B
28	Important Notice on Security Issues

Rating Voltages for Connection Points

Important

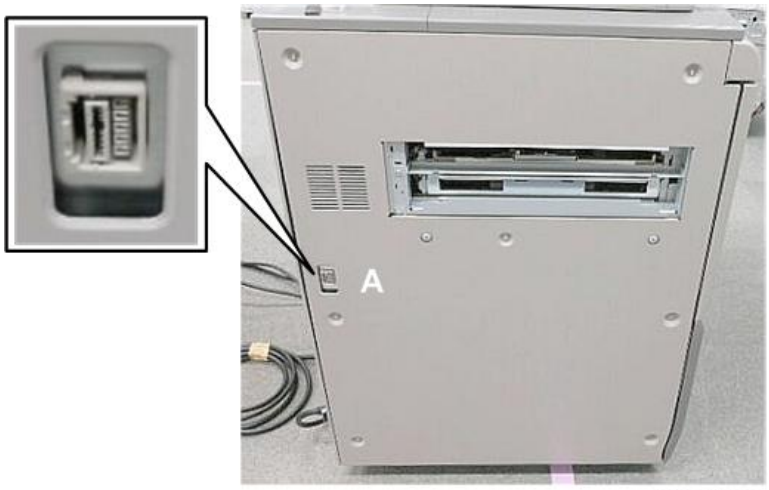
- Be sure to plug cable connectors into the correct sockets.

Right Side

d1790901

A	LCIT Max. DC24V
B	LCIT Anti-condensation heaters Max. AC230V±10%

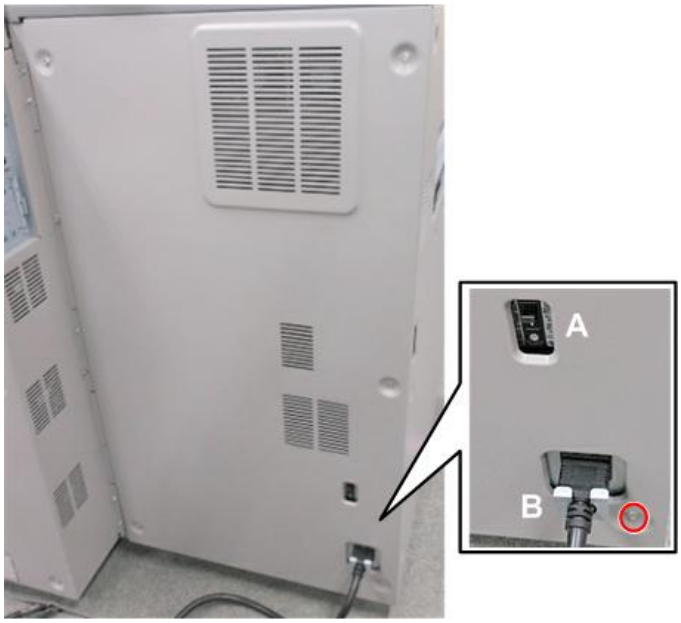
Left Side



d1790902

A	1st downstream device max. DC24V

Left Rear



d1790903

A	Breaker switch, tested at installation
B	Power plug, 208-240V 20A 50/60 Hz Attached with reinforced clamp secured with a screw

Remove Tapes, Shipping Materials

d1797025

Note

- The decal pack is inside the vinyl sheet covering the main machine.

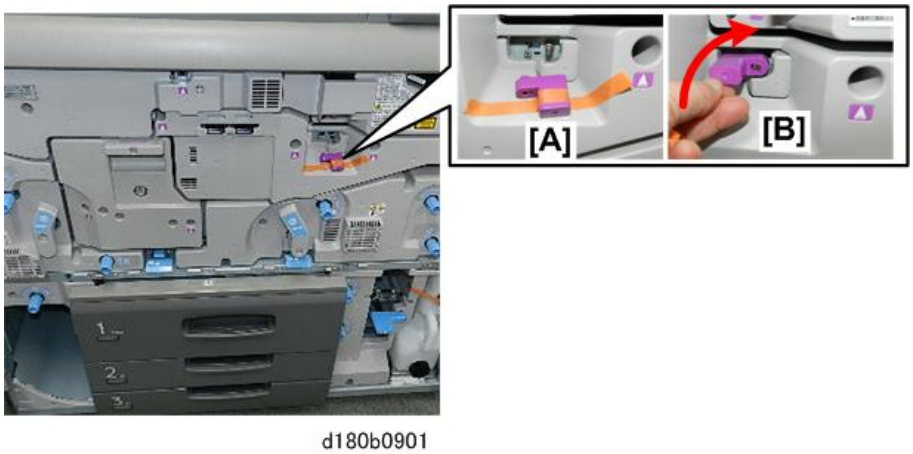
1. Remove all visible tape from the surface of the machine (and the accessory box from the back of the machine for the printer model).
2. Open the right front door.

3. Remove tape [A] and [B].

d270b0954

ITB Lever

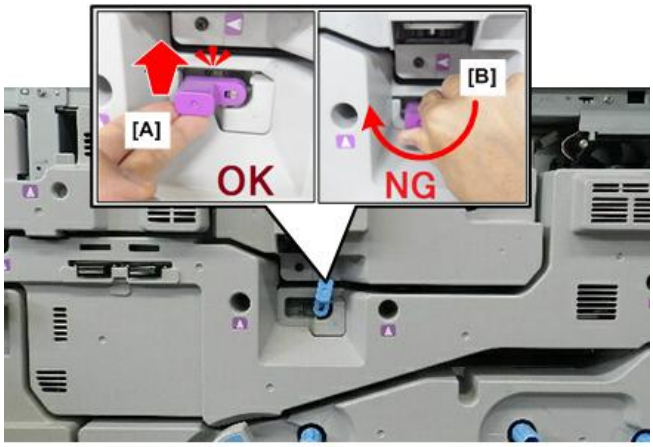
1. Unfasten the tape holding the ITB lever [A].
2. Attach the ITB lever and rotate it up [B], and then close the doors.



d180b0901

Important

Raise the lever [A] as shown below. Do not forcibly twist it [B].



m263d6701

Note

- The right door will not close if the ITB lever is down.

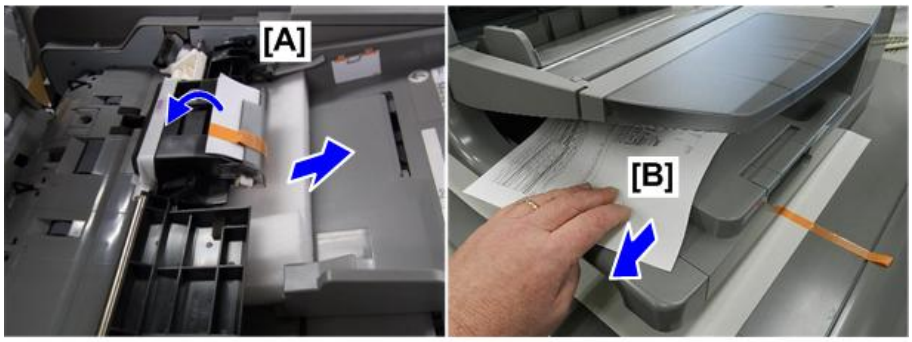
3. Remove the used toner bottle and store the data sheet inside the machine (the data sheet is under the original

tray; see the next section).

d1797023

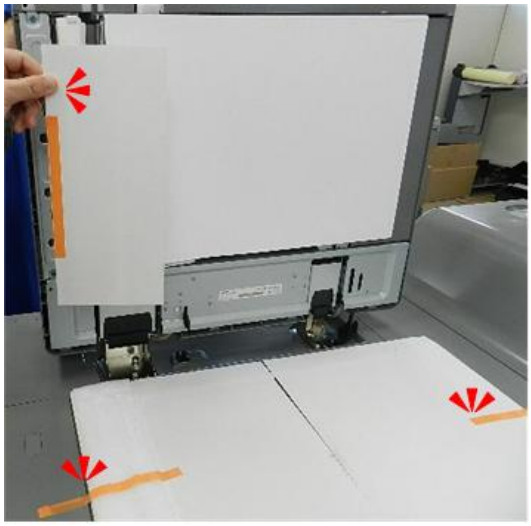
ADF Tapes: Copier Only

1. Lift the ADF.
2. Lift the tape, paper, and sponge pad [A].
3. Remove the data sheet [B] from under the original tray.



d270b0952

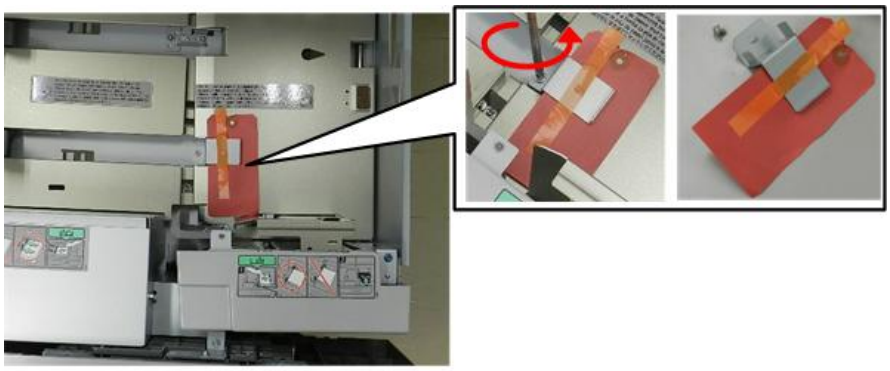
4. Lift the ADF and remove the paper and tapes from under the ADF and from the exposure glass.



d1790953

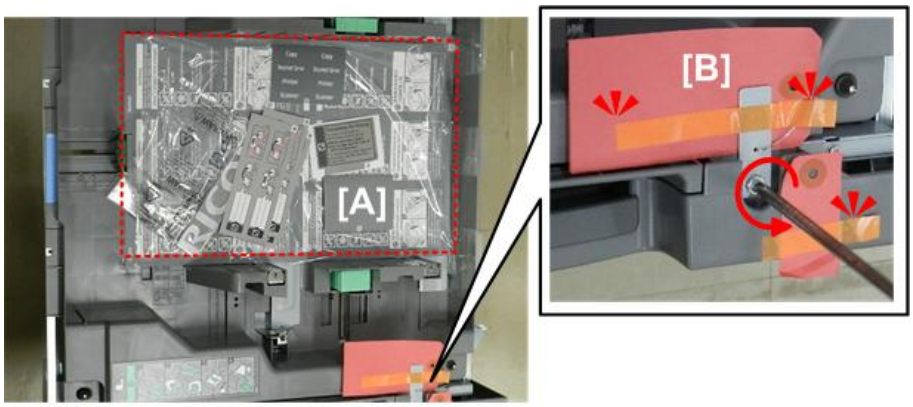
Paper Tray Clamps and Tags

1. Open Tray 1 (top tray).
2. Remove the clamp, tag, and tape (x1).
3. Discard the clamp, tag, tape, and screw.



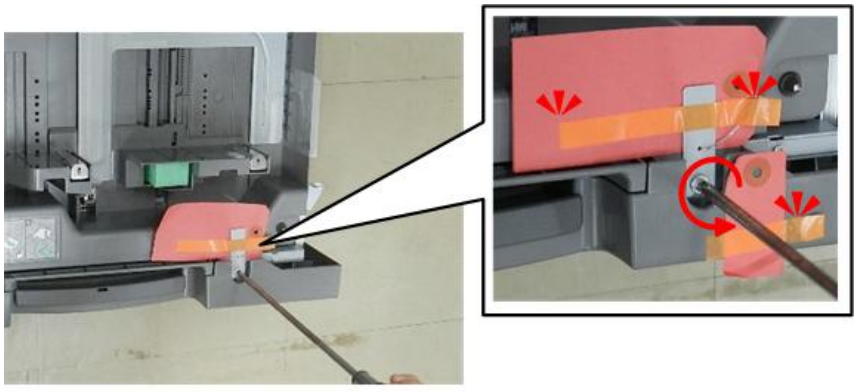
d1790955

4. Open Tray 2 (middle tray).
5. Remove the decal pack [A].
6. Remove the tag, tape, and clamp [B] (x1).
7. Re-attach the screw at the same place. **Do not discard this screw.**



d1790956

8. Open Tray 3 (bottom tray).
9. Remove the tag, tape, and clamp (x1).
10. Re-attach the screw at the same place. **Do not discard this screw.**



d1790957

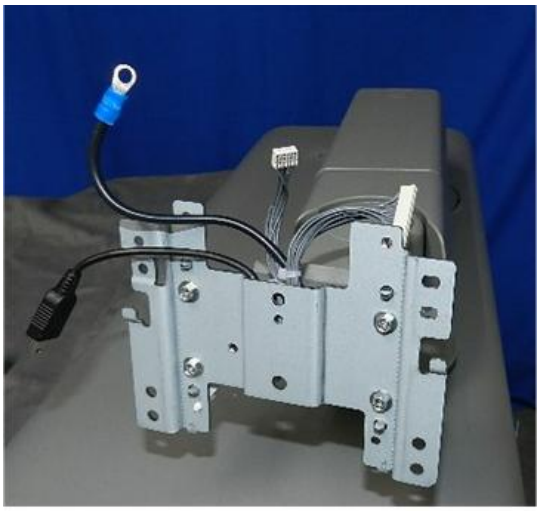
Install the Operation Panel

There are two ways to install the operation panel.

- **Standard installation**. The operation panel is high enough for a person of average height to operate the machine standing at the front of the machine.
- **Easy access installation**. The operation panel is extended forward and hangs lower for operation from a sitting position.

Standard Installation

1. The machine is shipped with the arm and plate pre-installed.
2. Make sure the three harnesses and ground wire are up behind the plate as shown.



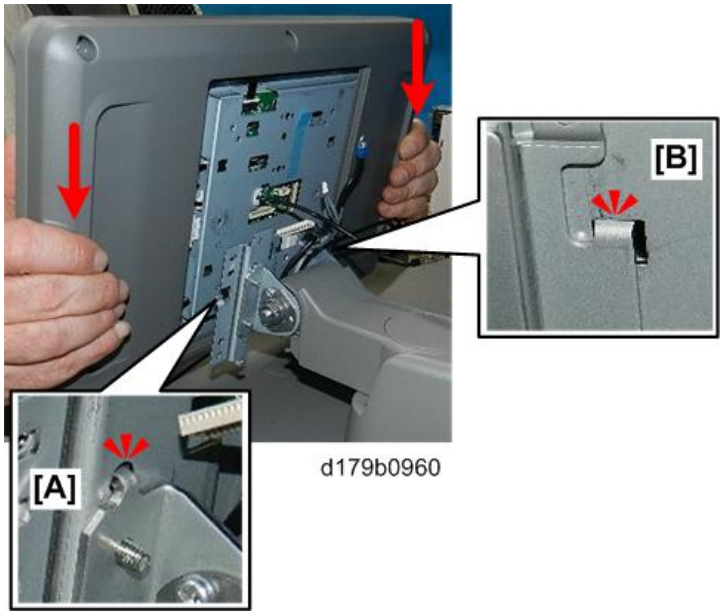
d179b0958

3. Behind the frame, attach the small white clamp to the bottom left corner.

d1790959

4. Hang the operation panel by its lower holes onto the hooks [A] and [B] on the back of the panel.

5. Make sure that the hooks are engaged on both sides.

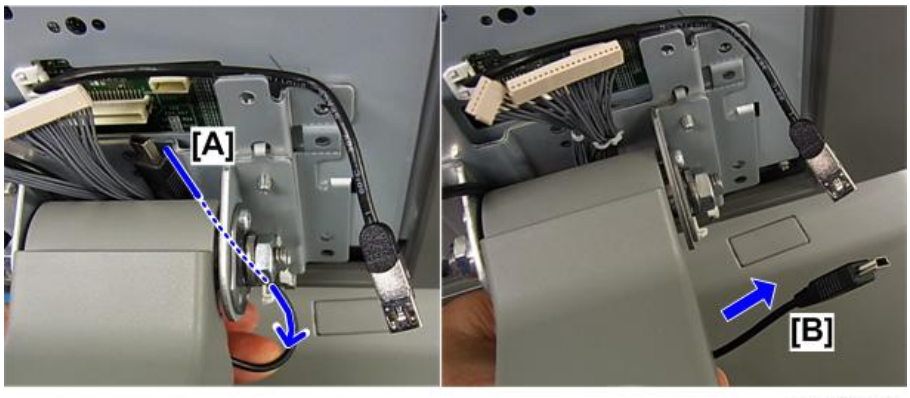


d179b0960

6. Pull the tape to detach the upper USB cable from the back of the operation panel.
7. Position the cable down and to the right as shown.

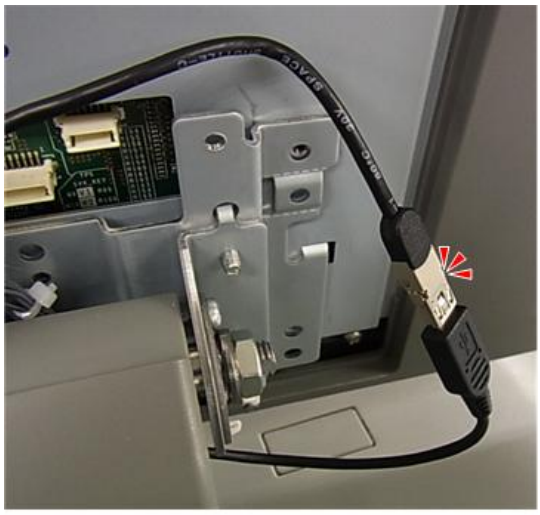
d270b0962

8. Push the lower USB cable [A] down between the end of the arm and back of the operation panel.
9. Extend it to the right as shown [B].



d270b0963

10. Connect the USB cables (x1).



d270b0964

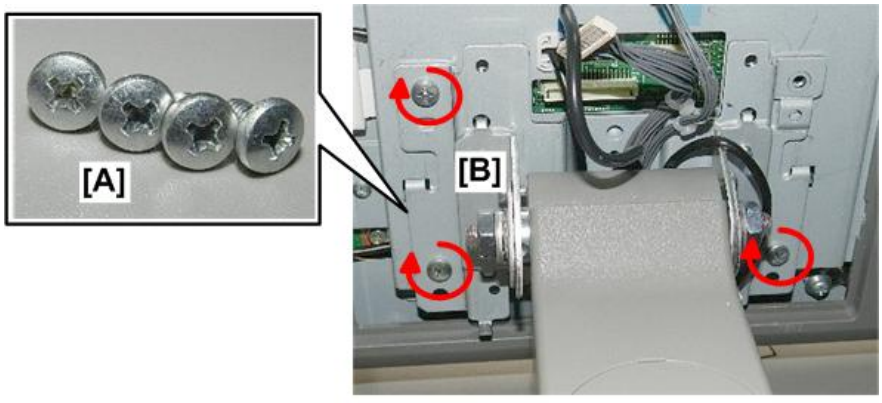
11. Fasten the bottom USB cable [A] as shown (x1).
12. Connect the operation panel [B] (x2).

d179b0963

13. Use three accessory flathead screws [A] to fasten the back of the operation panel to the arm mounting plate [B] (x3). **Do not tighten these screws yet.**

Important

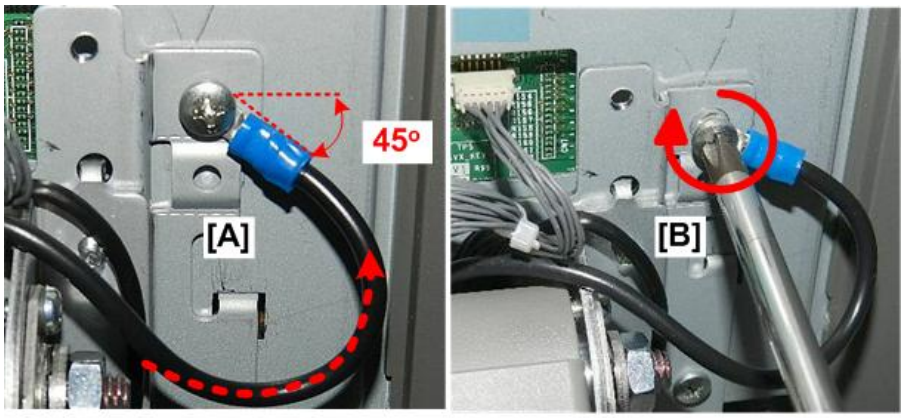
- You must use the accessory short, flathead screws here. If you use longer screws, they may damage the back of the operation panel.



d179b0964

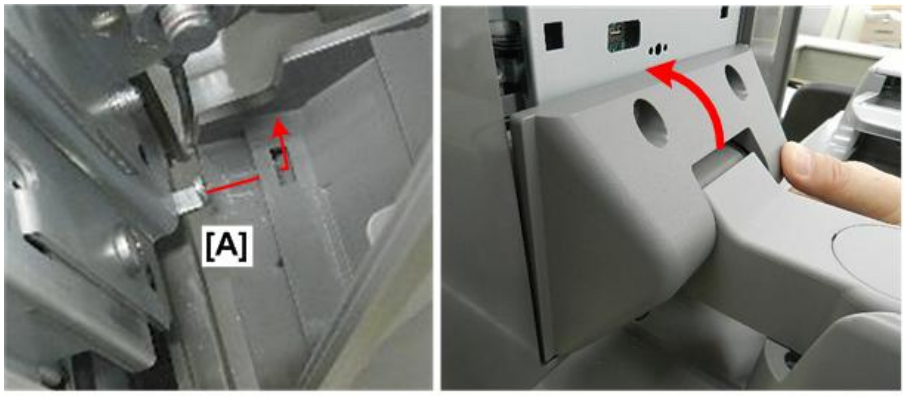
14. Attach the ground wire loosely with the last flathead screw (x1).

15. Position the ground wire [A] so that it is at a 45 degree angle to the screw, and then tighten the screw [B].



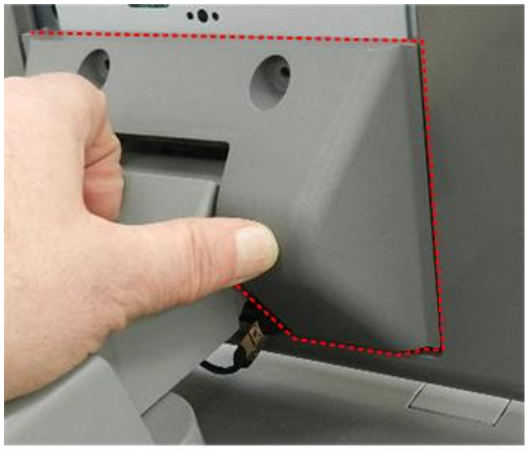
d179b0918

16. Tighten all four screws.
17. Set the holes on the edge of the curved bracket [A] onto the metal posts on both sides, and then fit the bracket against the back of the operation panel.



d1790965

18. Check around the edge of the bracket to be sure there are no harnesses pinched between the bracket and the back of the operation panel.



d1790966

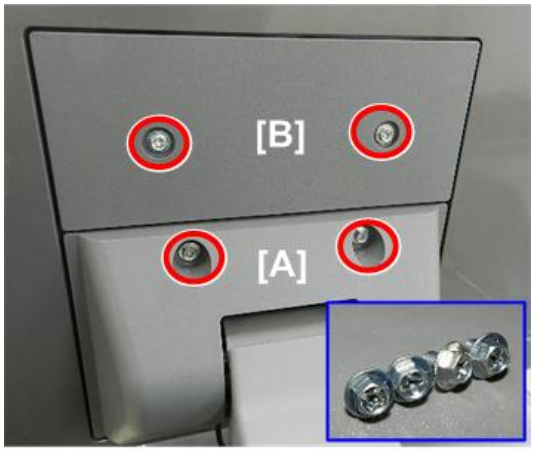
19. Fasten the curved bracket [A] (x2).

2.Installation

20. Fasten the flat bracket [B] (x2).

Note

- Use the same screws here. These are the longer accessory hex screws, not the flathead screws.



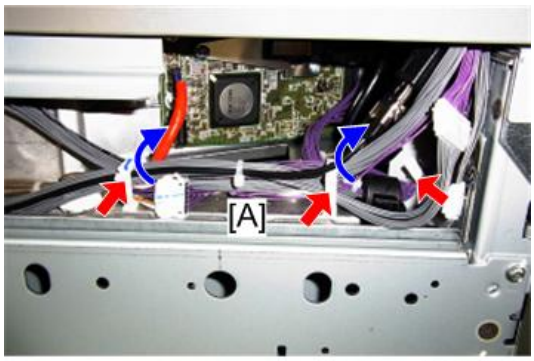
d179b0967

Easy Access Installation

1. Remove the right cover (x8).

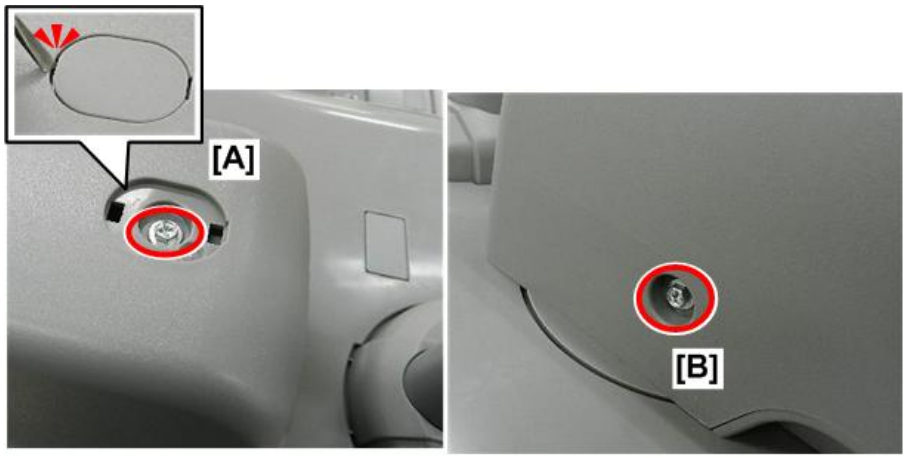
d179b0970

2. On the right side of the machine [A], open the clamps and free the harnesses (x3).



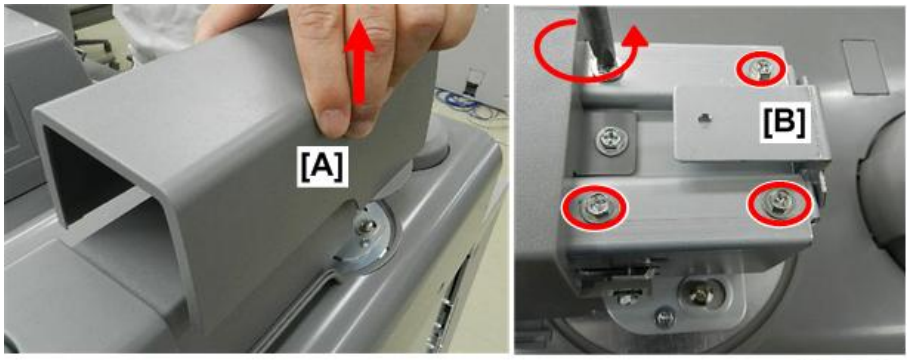
d270b1033

3. Disconnect the operation panel arm cover:
   [A] Top (cap x1, x1)
   [B] Left side (x1)



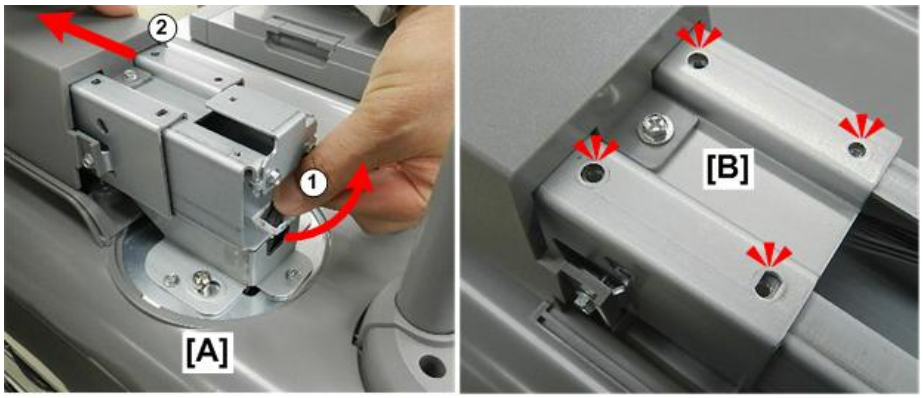
d1790971

4. Remove the cover [A].
5. Remove the arm lock screws [B] (x4). **Do not discard these screws.**



d1790972

6. At the back of the arm [A], slowly pull the harnesses ① out of the machine while you use your other hand to push the operation panel extension ② forward.
7. When you see the four holes where you just removed the screws [B] line up with four holes in the arm below, stop.



d1790973

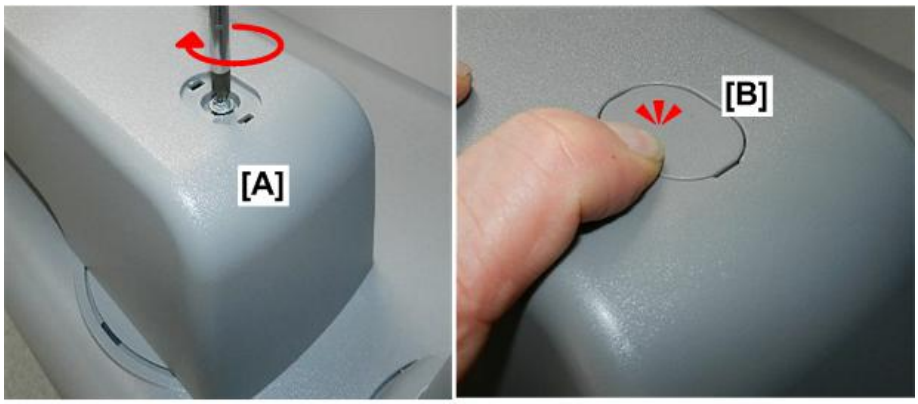
8. Re-attach the four screws at the new position (x4).

d1790974

9. Place the cover [A] over the arm, and then fasten it on the side (x1).

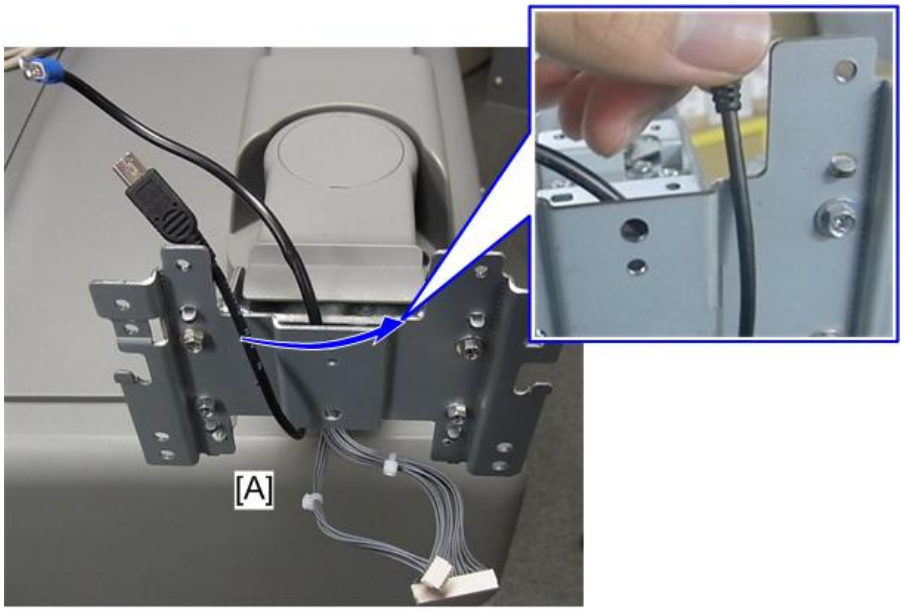
m263b1001

10. Fasten the cover on top [A] and then re-attach the plate [B].



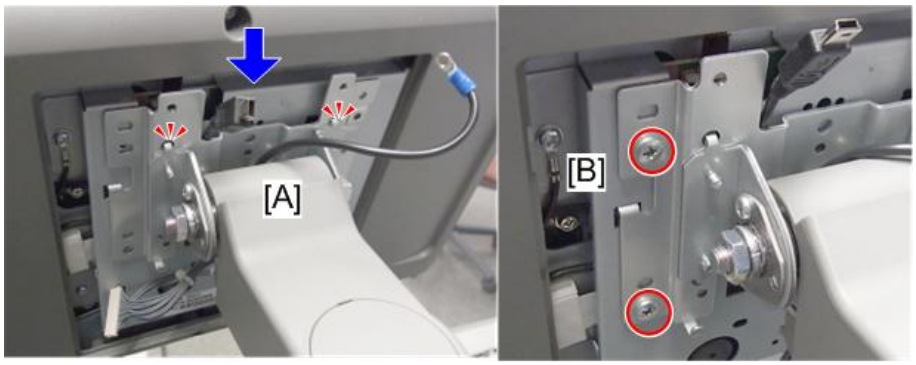
m263b1002

11. At the end of the arm [A], arrange the ground wire, USB connector, and harnesses as shown.



d270b0975

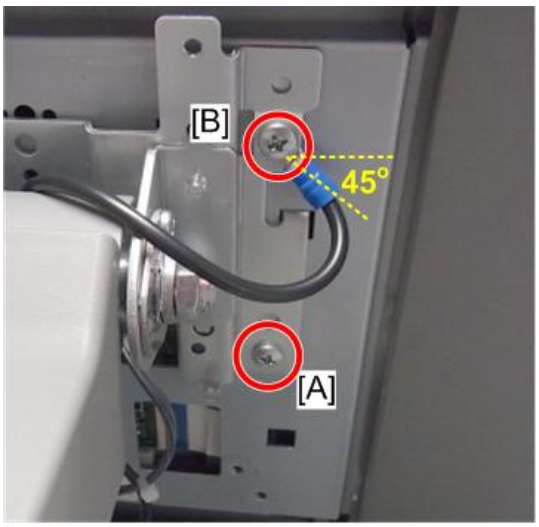
12. Hang the operation panel [A] by the **upper holes** onto the hooks on the arm mounting plate (▼x2).
13. Make sure the back of the operation panel is hooked on both sides.
14. From behind, use flat-head screws [B] to connect the front left side of the operation panel to the mounting bracket (x2).



d270b0976

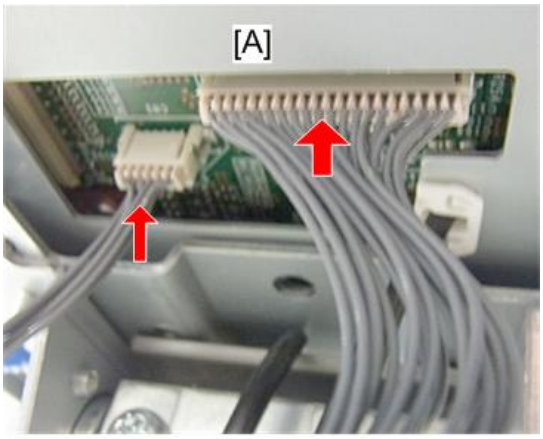
15. Use a flathead screw to fasten the lower right corner of the operation panel to the mounting bracket [A] (x1).
16. Fasten the ground wire [B] loosely with the last flathead screw (x1).

17. Position the ground wire so that it is at a 45 degree angle to the screw, and then tighten the screw.



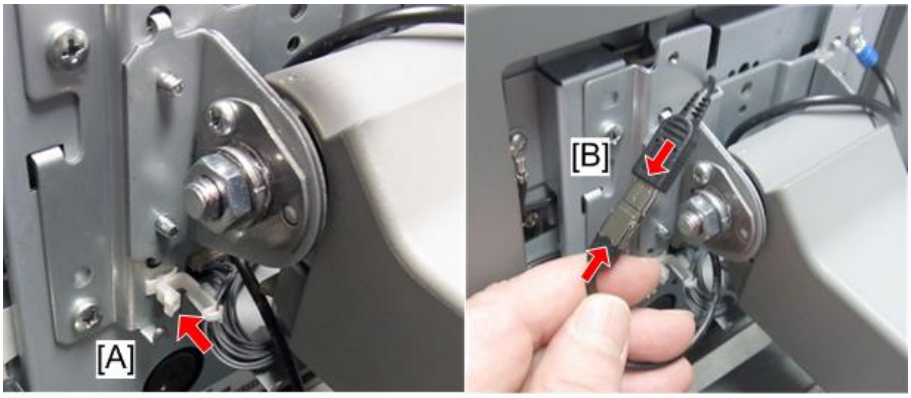
d270b0977

18. Connect both harnesses to the back of the operation panel [A] (x2).



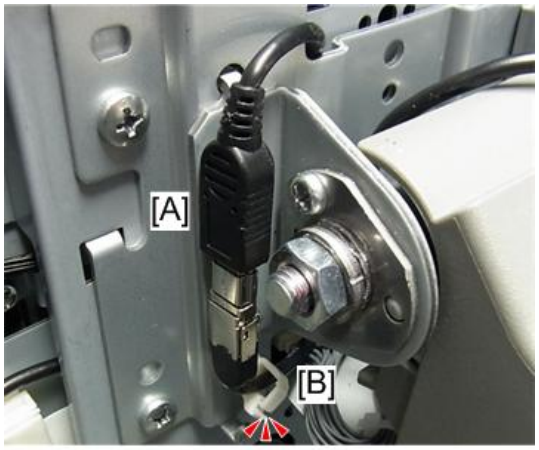
d270b0978

19. Fasten the clamp to the back of the operation panel [A].
20. Connect the USB cables [B] (x1).



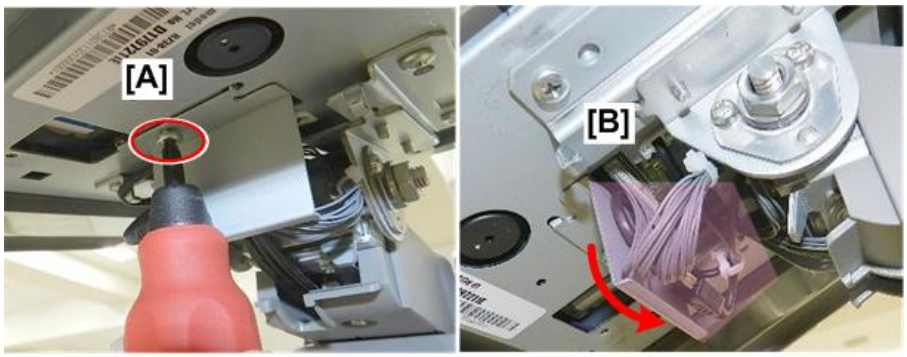
d270b0979

21. Position the USB cable connection [A] as shown, and then close the clamp [B] (x1).



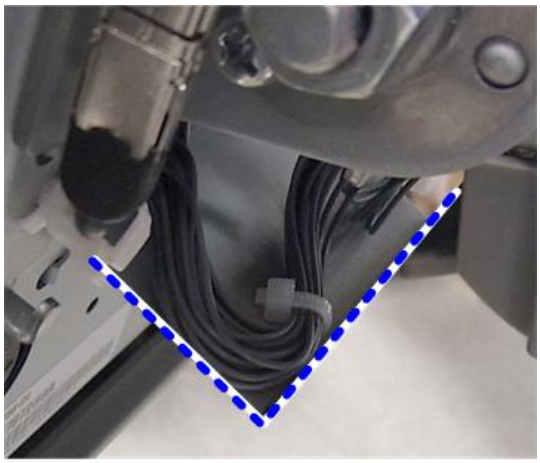
d270b0980

22. Attach the shield plate [A] (x1).
23. Fold the USB harness, and the other two harnesses [B] behind the shield plate.



d1790979

24. Check behind the operation panel to make sure that the harnesses are neatly tucked behind the shield plate.



d270b0981

2.Installation

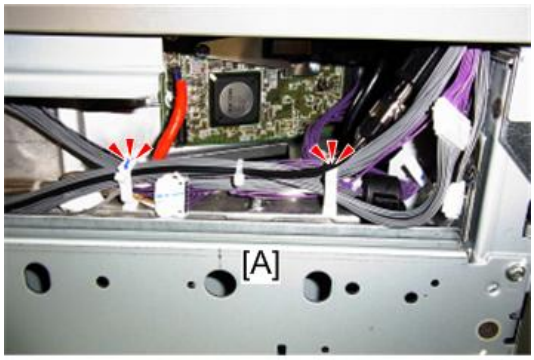
25. Set the curved bracket [A] on the top, and then fasten it [B] (x2).

d1790981

26. Use a stubby driver to fasten the flat bracket on the bottom (x2).

d1790982

27. Before you re-attach the right cover, be sure to close the clamps. (x2).

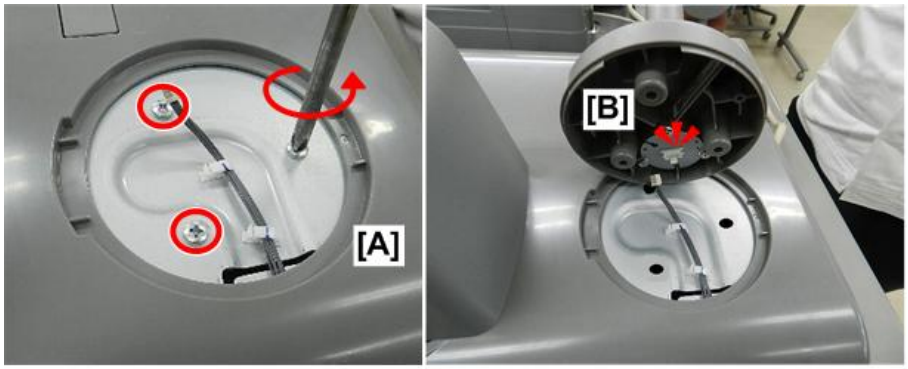


d270b0982

Status Light

1. Remove the status lamp screws [A] (x3).

2. Connect the base of the status lamp [B] (x1).



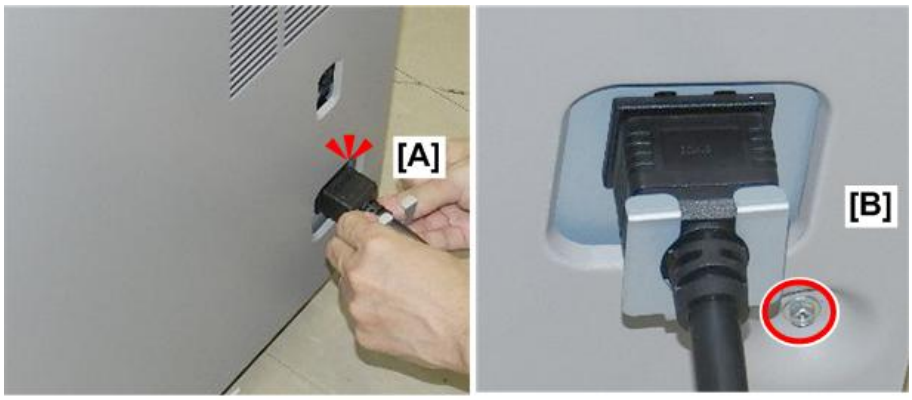
d1790968

3. Set the base of the lamp [A] in the notch.
4. Fasten the lamp base [B] with the removed screws (x3).

d1790969

Power Cord, Cable Clamp

1. Attach the power cord bracket to the head of the power cord [A], and then connect the power cord to the AC connection point at the rear lower left corner of the machine.
2. Fasten the bracket [B] to the back of the machine.



d1790984

3. Fasten the cable clamp to the controller box (x1).

d1790985

Fusing Roller Knob Holder, ITB Jigs

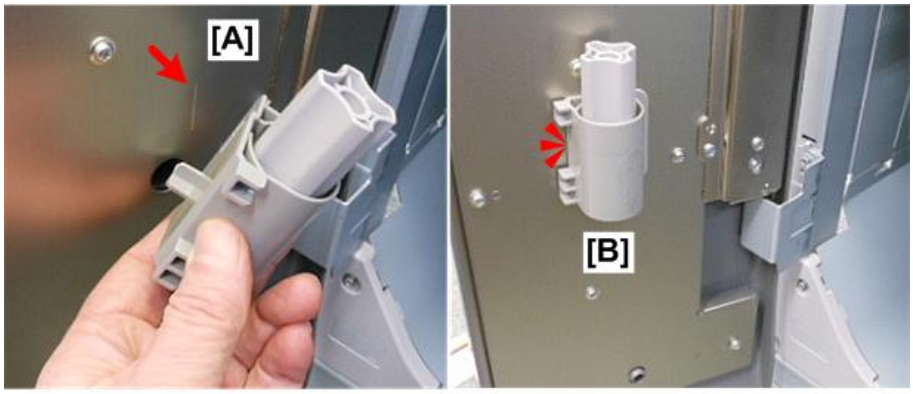
Fusing Roller Knob Holder

1. Open the left front door [A].
2. Locate the hole and the faint vertical guideline where the holder will be installed.
3. Clean the area around the hole with a clean cloth dampened with alcohol.
4. Peel the cover off the tape on the back of the holder [B].

d1790986

5. Align the holder with the vertical guideline [A] stamped into the sheet metal of the cover.

6. Press the holder [B] onto the inside cover.



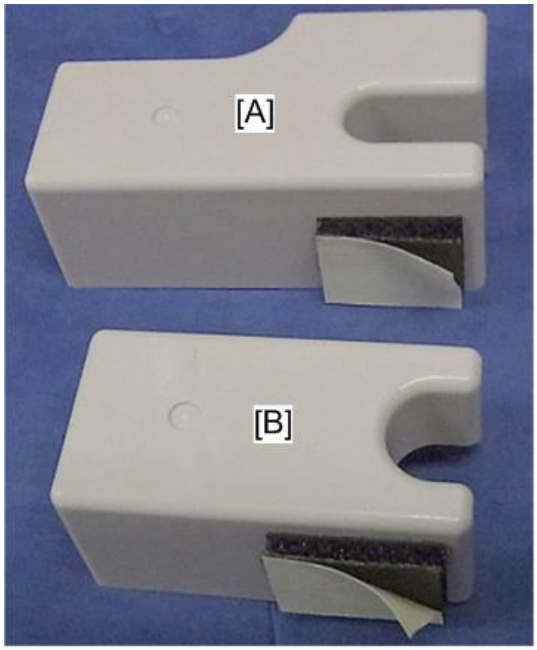
d1790987

ITB Jigs

There are two ITB jigs:

- The cleaning belt jig [A] (the large jig).
- The ITB drive roller jig [B] (the small jig).

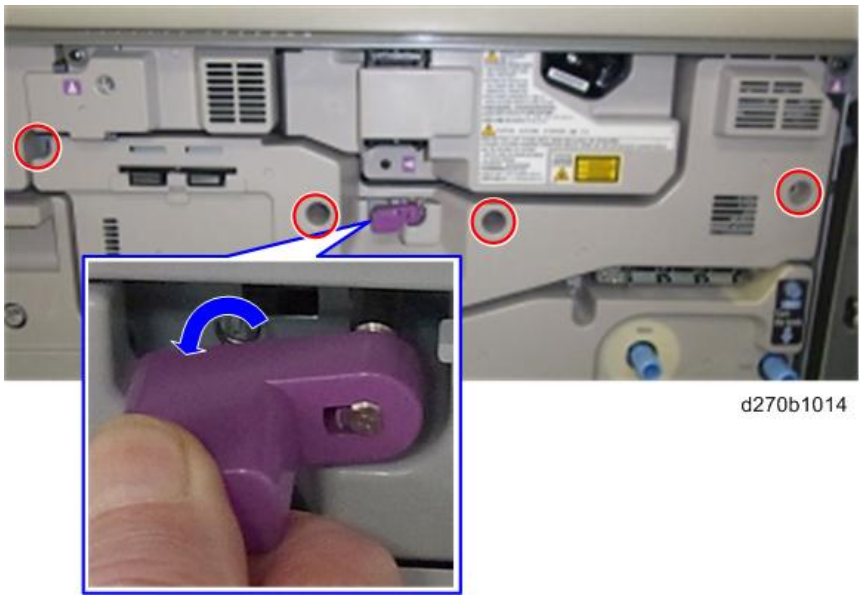
These jigs are stored inside the machine. They are required for servicing the ITB belt.



d270b1020

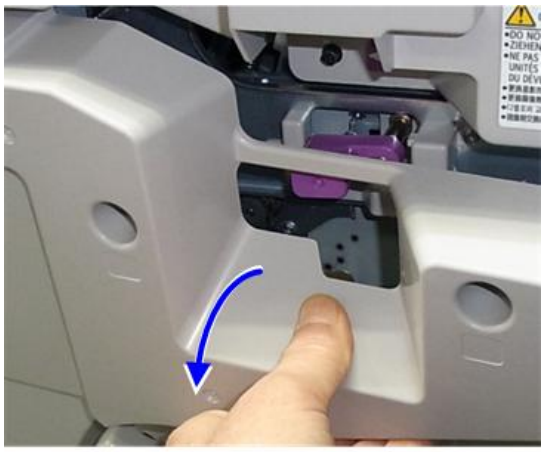
1. Open the front doors.

2. Lower the ITB lever, and then unfasten the ITB cover. (x4).



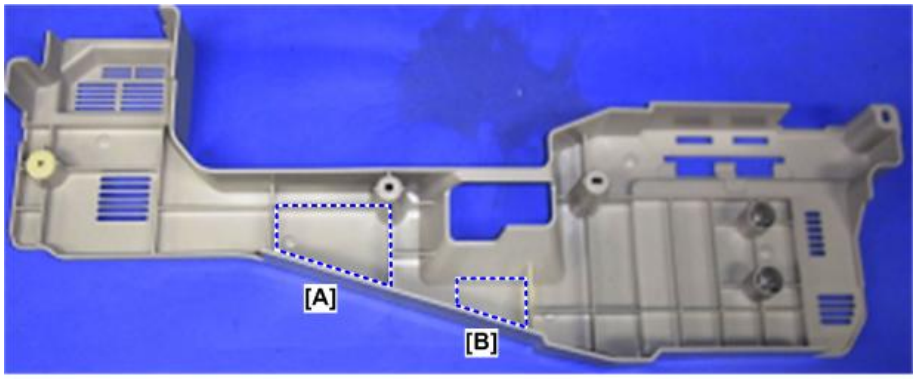
d270b1014

3. Remove the ITB cover.



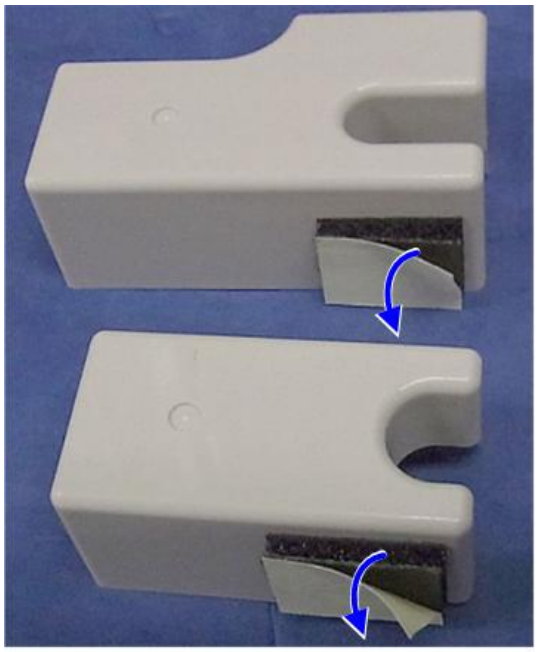
d270b1015

4. Lay the cover on a flat clean surface.
5. The large jig is attached at [A] and the small jig at [B].



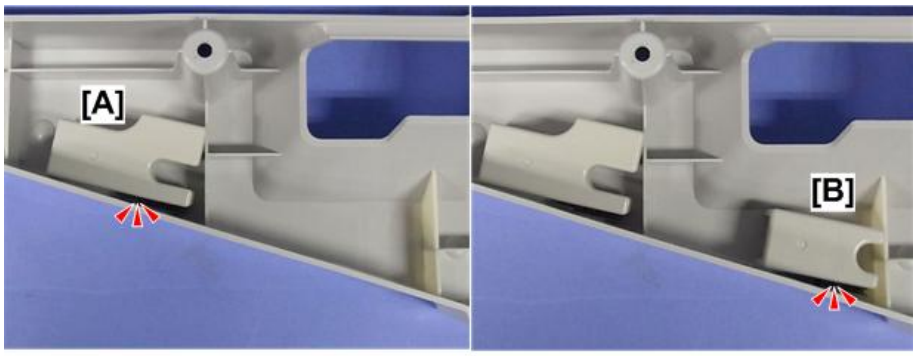
d270b1016

6. Peel the covers off the tapes on the back of the jigs.



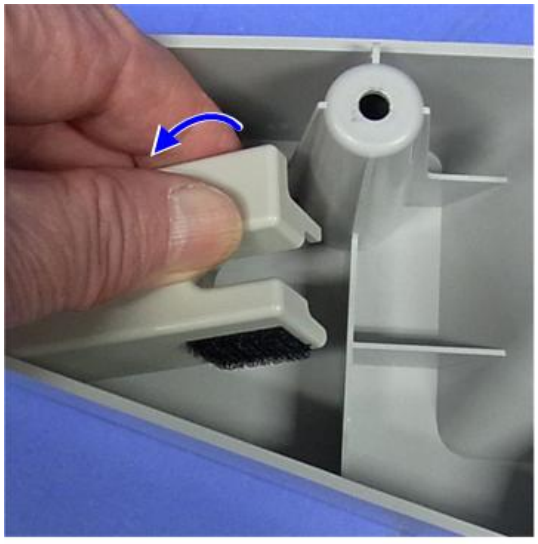
d270b1017

7. Attach the large jig [A] in the compartment on the left, and the small jig [B] in the compartment on the right.



d270b1018

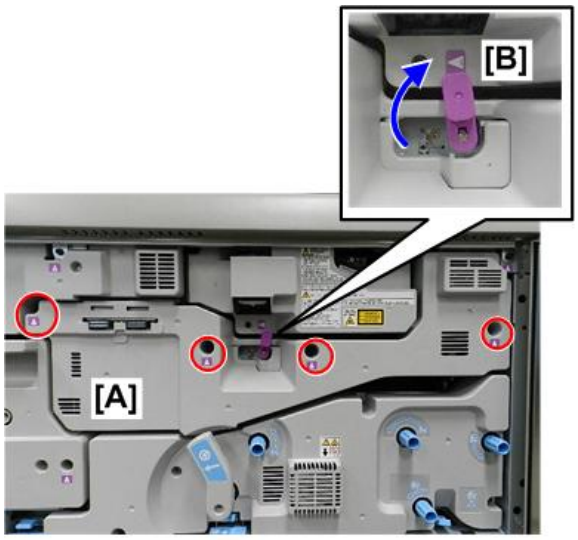
8. When a jig is required for servicing the ITB unit, just pull it away from its Velcro fastener.



d270b1019

9. After you re-attach the cover [A], be sure to raise the ITB lever [B]. The right front door will not close if this

lever remains down.



d270b1021

Exposure Glass Cleaning Cloth and Holder (Copier Only)

1. Remove the cover from the tape on the back of the exposure glass cleaning cloth holder.
2. Attach the holder to the left rear corner of the ADF.

d1790989

Name Plate

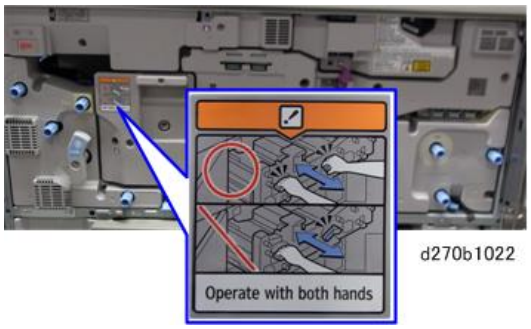
1. Attach the name plate to the left front corner of the machine.

d179b0990

Attaching the Decals

Front Decals

1. Open the front doors.
2. Attach the drawer lever decal to the upper left corner of the fusing unit.



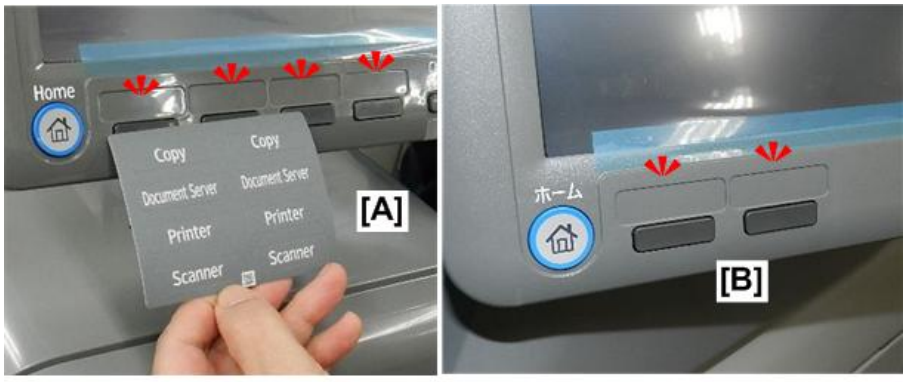
d270b1022

Operation Panel Decals

1. Peel the decals from the sheet and attach them to the operation panel in this order from left to right:

   [A] Copier: Copy > Document Server > Printer > Scanner

   [B] Printer: Document Server > Printer



m263b1005

Operation Panel Decals (China Only)

A set of key decals for the operation panel is provided for China.

1. Remove the decals from the sheet and paste them across the bottom edge of the operation panel.

2. Remove the decals from the sheet and paste them on the keypad

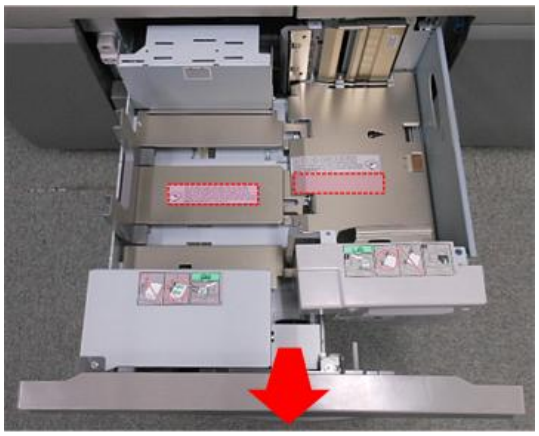
3. Remove the decals from the sheet and paste them on the right side of the operation panel.

m263b1023

Tandem Tray Decals (China Only)

Instruction decals for the tandem tray are provided for China.

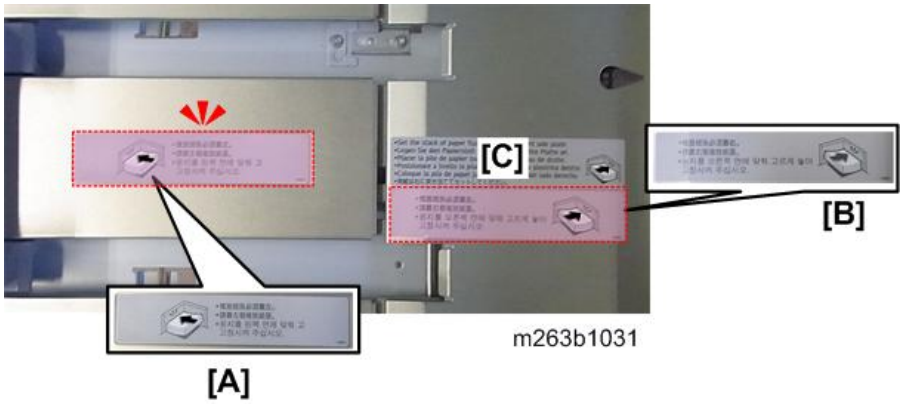
1. Pull out the tandem tray (top tray) of the main machine.



m263b1030

2. Remove decal [A] from the sheet and paste it **over** the decal on the left.

3. Remove decal [B] from the sheet and paste it **below** decal [C] on the right.



Service Decals (China Only)

1. Four instruction decals [A] are attached to the back of the toner bank at the factory.
2. Attach the three additional service decals [B] to the back of the toner bank.

[1] Laser Class decal

[2] Compatibility decal

[3] Altitude Restriction decal

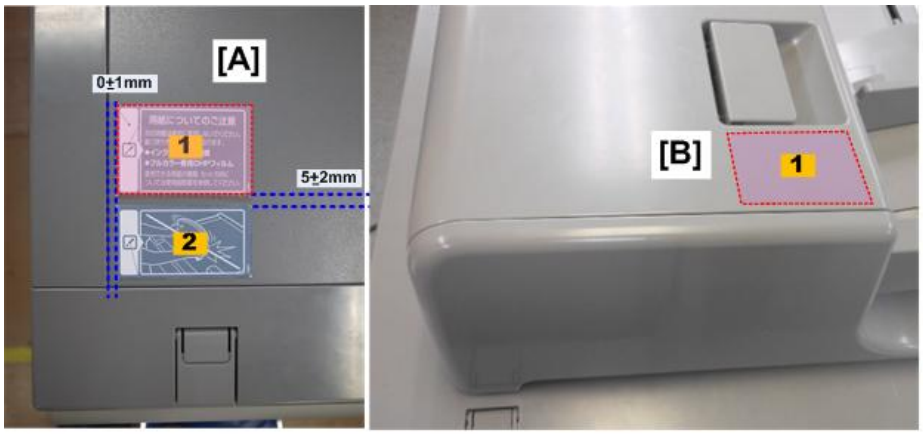
Printing Decal Precautions

1. Peel off the "Precautions for Printing" decal.

2. On the printer model [A], attach the decal [1] above the other decal [2] (attached at the factory).

   -or-

   On the copier model [B], attach the decal [1] to the top of the ADF.



m263b1007

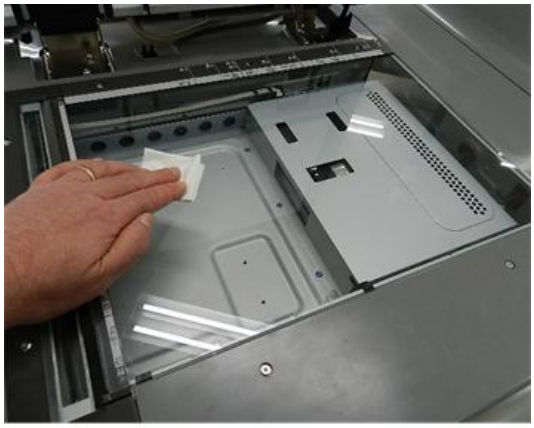
ADF Decals (Copier Only)

1. Peel off the "Original Precautions" decal and attach it to the top of the ADF feeder cover.

d1790991

Clean the Exposure Glass (Copier Only)

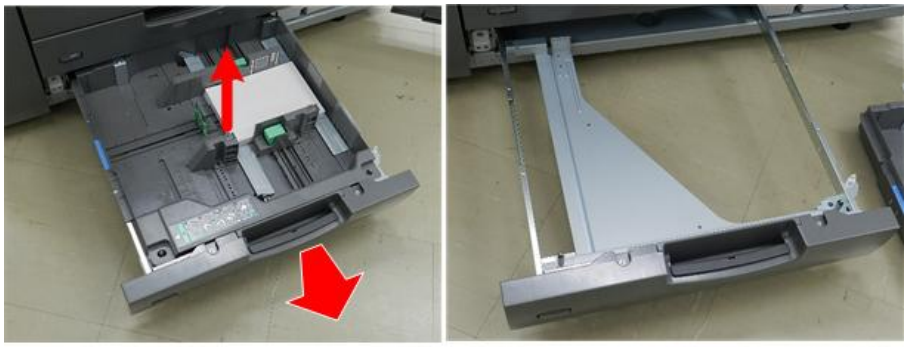
1. Raise the ADF.
2. Clean the exposure glass with some glass cleaner and a clean cloth, or use the accessory cleaning cloth.



d1790915

Level the Main Machine

1. Pull out the bottom tray and then remove the feed tray.



d1790916

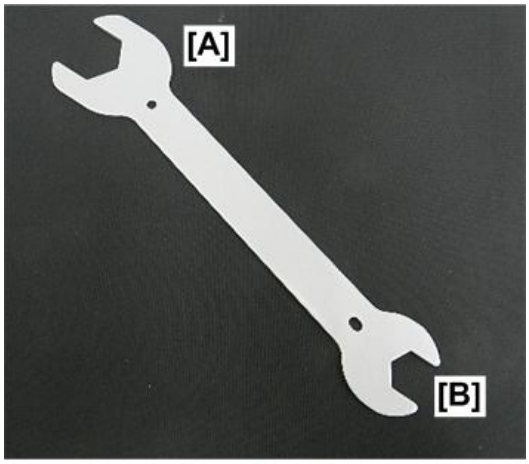
2. Set a level on the machine frame.

d1790917

3. Use the wide end of the accessory wrench to adjust the front and rear feet to within less than 5 mm of level front-to-back.

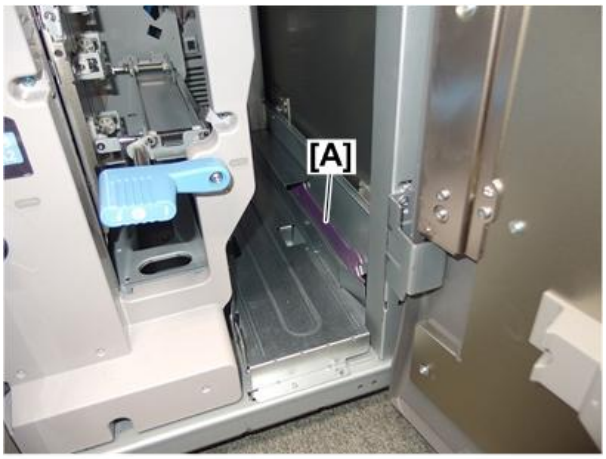
Note

- The wide end [A] of the wrench is for the main machine, and the smaller end [B] is for adjusting the height of the peripheral units.



d1790999

4. When you are finished, open the right front door, remove the used toner bottle, and then store the wrench in the gap in the frame [A].



d270d2122

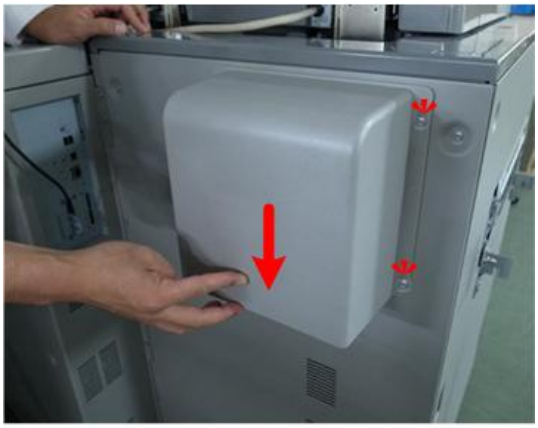
Rear Vent Cover

Install the vent cover on the back of the main machine if it is needed.

1. Set the accessory ozone filter in the vent cover (if it is not already inserted).

d270b7025

2. Hang the vent cover on the four pre-installed shoulder screws, and then slide it down.



d1797026

Test the Breaker Switch

The breaker switch is at the left rear corner of the machine. The breaker switch should be tested at installation, and then inspected, cleaned, and tested at least once a year after that.

d1790802

- After prolonged use, if you see the breaker switch covered with soot, this could indicate that the switch has malfunctioned or been damaged.
- To prevent damage to the breaker switch, installation of a voltage stabilizer (constant voltage transformer) is recommended for work sites where there is significant fluctuation in the AC power source.

Important

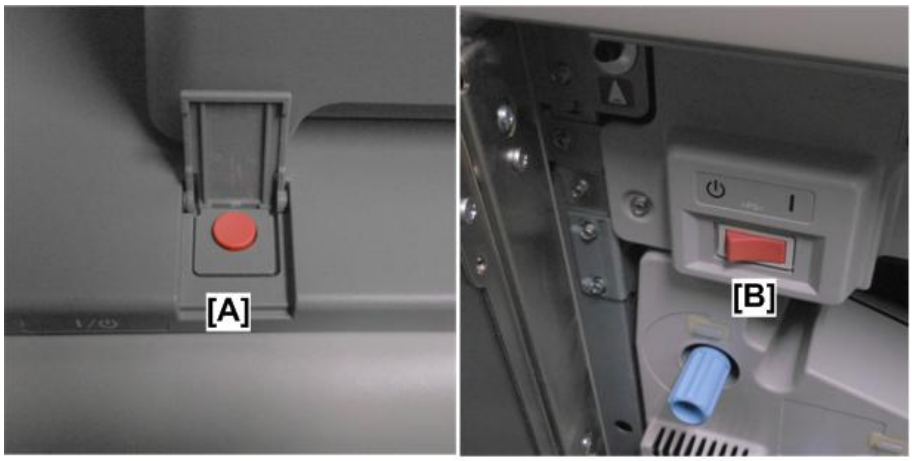
- The Ring Binder and Perfect Binder also have breaker switches. These breaker switches should also be tested at installation, and then inspected, cleaned, and tested at least once a year.

1. Confirm that the main machine is connected to its power source.

2. If the machine is on, press the operation power switch [A] and turn it off.

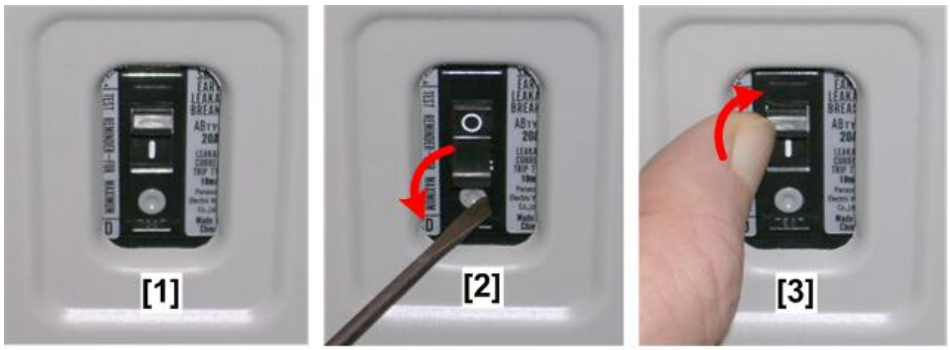
Important

Do not touch the main power switch [B] behind the left front door. This switch must remain in the on position for the breaker switch test.



d270b0048

3. To test the breaker switch:
   - [1] is the normal position of the breaker switch test button.
   - Use the tip of a small screwdriver or pen to push the breaker test button. The breaker switch should flip to the "**O**" position [2]. This indicates that the breaker switch is operating normally.
   - If the breaker switch does not flip to the "**O**" position, the switch must be replaced.
   - Push the switch up to the "|" position [3] for normal operation.



d1790910

Important

- The main machine will not turn on if the breaker switch is not returned to the "|" position as shown at [1].

Turning the Machine On/Off

Important

- Before the machine leaves the factory, the main power switch behind the left front door is set to ON. If this switch is OFF, it must be set to ON.
- As a safety precaution, set both switches to OFF and disconnect the main machine power cord before servicing the machine.

- After servicing the machine, be sure to set the main power switch back to ON.

Note

- The operator should use the operation power switch on the left front corner of the machine to turn the machine ON and OFF, not the main power switch behind the left front door.
- However, the operator may not be able to switch the machine OFF after a serious error occurs (a fatal error in the fusing unit, for example). In such cases, the operator can use the main power switch to switch the machine OFF. This is the only time the operator should use the main power switch to turn the machine off.
- The service technician should always switch off both switches (and disconnect the power cord) before servicing the machine.

Turning the Machine On

1. Plug the machine into the power source.

Note

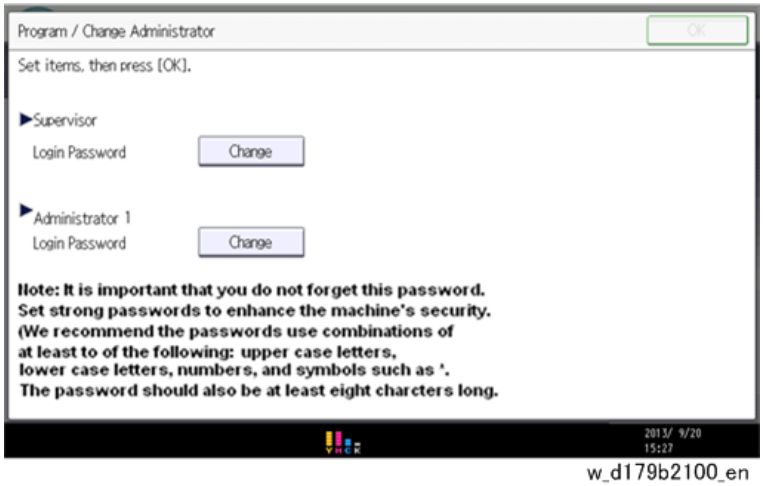
- There is no power switch on the operation panel of this machine.

2. At the front left corner of the machine, open the cover, and then push the operation power switch.

d1790405

If you are using the copier model...

1. The Program/Change Administrator screen appears.



w_d179b2100_en

Note

- This screen does not appear if you are using the printer model.
- The machine is waiting for input of the Supervisor and Administrator login passwords.
- It is the responsibility of the site supervisor and administration to set these passwords.

Note

- The initial copy menu will not display until these passwords have been set by the Administrator and Supervisor. However, you can bypass this screen temporarily.

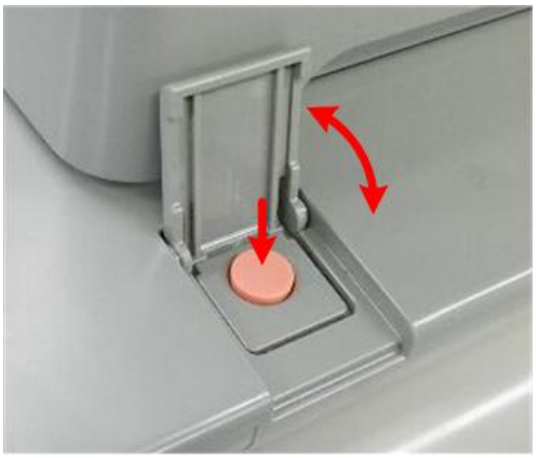
2. Enter SP mode.
3. Execute **SP5755-002**. This SP bypasses the password request and allows you to use the machine to complete the installation.

Note

- For more information, see "Important Notice on Security Issues" at the end of this section.

Turning the Machine Off

1. At the front left corner of the machine, open the cover, press the operation power switch, and then close the cover.



d1792202

2. A message appears and tells you to wait until the machine powers down completely. This gives the hard disk drive enough time to stop rotating and to shut down safely before the machine loses power.

Install Toner Bottles

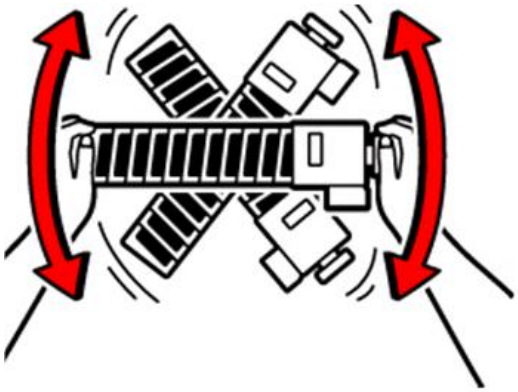
Bottle Installation and Initialization

Important

- Before you begin this procedure, confirm that the machine is off.

1. If the machine is on, press the operation power switch on the left front corner of the machine.
2. Wait for the message to go off before you do the procedure below.
3. Open the left front door and turn off the main power switch.
4. Make sure the machine is off, and then **open the left front door**.

5. Turn on the main power switch (ignore the door open alert).
6. Remove the two toner bottles from the packing.
7. Rotate each bottle at least 10 times to make sure that the toner inside is loose.



d1790904

8. Open the toner bank door, insert both toner bottles, and then close the toner bank door.
9. Enter the SP mode
10. Do **SP7628-002** (Clear PM Counter).
11. Exit the SP mode.
12. Close the left front door.
13. Toner filling will begin automatically after closing the left front door.
14. As soon as toner filling completes, the machine will automatically start process control. (If there is a problem, go to the next section.)
15. Process control executes.
16. As soon as process control completes, a message on the operation panel tells you that copying can begin. (If there is a problem, go to the next section.)
17. Enter the SP mode.
18. Do **SP3012-001** (ProCon OK?) to confirm that process control succeeded.
    - If process control executed normally, you should see "11" displayed.
    - If you see any other numbers displayed, go to the next section.
19. Exit the SP mode.
20. You are finished, and the machine is ready to use.

Problem During Bottle Installation?

Here is a summary of how to solve problems in the above procedure.

Toner Filling Failed at Step 13

1. Open the toner bank door, and remove the toner bottles.
2. Rotate each bottle at least 10 times to make sure that the toner inside is loose.
3. Insert both toner bottles, and then close the toner bank door.
4. Make sure the left front door is open.
5. Cycle the machine off/on.
6. Close the left front door.

7. Go to **Step 10** in the previous section to complete the procedure.

Process Control Failed at Step 15

1. If the machine returned an SC error, refer to the SC error list and do the procedure recommended to solve the problem.
2. Make sure that the left front door is open.
3. Cycle the machine off/on.
4. Close the left front door.
5. Go to **Step 12** in the previous section to complete the procedure.

SP3012-001 Did Not Return "11" at Step 18

1. Refer to the Troubleshooting Section.
2. Do the procedure recommended for the displayed number code to solve the problem.

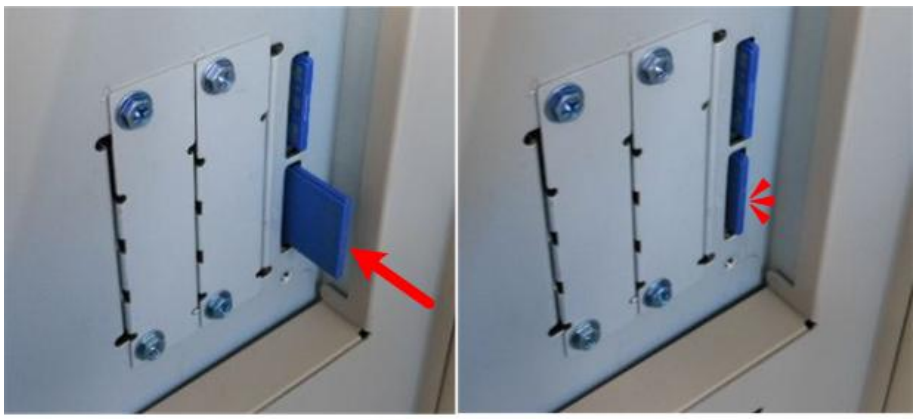
Paper Library Data Installation

Follow this procedure to install the Paper Library data.

1. Create a folder in the root directory of an SD card and name the folder "mqp".
2. Copy the paper database file into the "mqp" folder, and then rename the copied file "library.mqp".
3. Make sure that the machine is turned off.
4. Remove the SD card slot cover. (x 1).

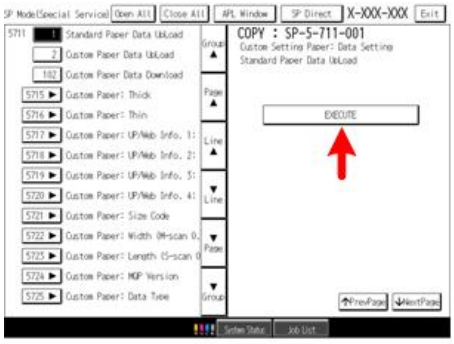
d1791200

5. Insert the SD card which has the "library.mqp" file into SD card Slot 2 (lower slot) on the right side of the controller box.



d1791213

6. Turn on the machine.
7. Make sure that the data version of the SD card is newer than the data version of the flash ROM on the controller. If not, prepare the latest data version of the Paper Library on an SD card.
   - The version of the data on the SD card can be checked with **SP5711-202.**
   - The version of the data in the flash ROM on the controller can be checked with **SP5711-201.**
8. Enter SP5-711-001, and then touch [EXECUTE].



d1790911

9. Next, touch [EXECUTE] again.

d1790912

10. When the machine displays "Completed" and prompts you to re-boot, touch [Exit] to leave the SP mode.

d1790913

11. Turn off the machine and remove the SD card from SD card Slot 2.
12. Turn on the machine.
13. Check the Paper Library data version with SP5-711-201 (Flash ROM) to confirm that the Paper Library data has been updated.

Tip Prevention Braces (Printer Only)

⚠CAUTION

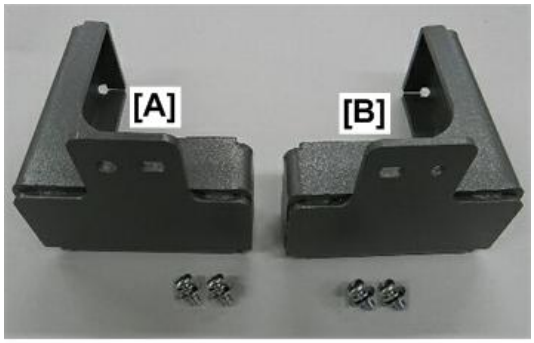
- The printer model does not have the ADF, so the top of the printer model is much lighter than the top of the copier model. With all the paper trays full, the printer model can tip forward. Two braces are

provided for installation under the front corners of the printer model to prevent tipping.

Important

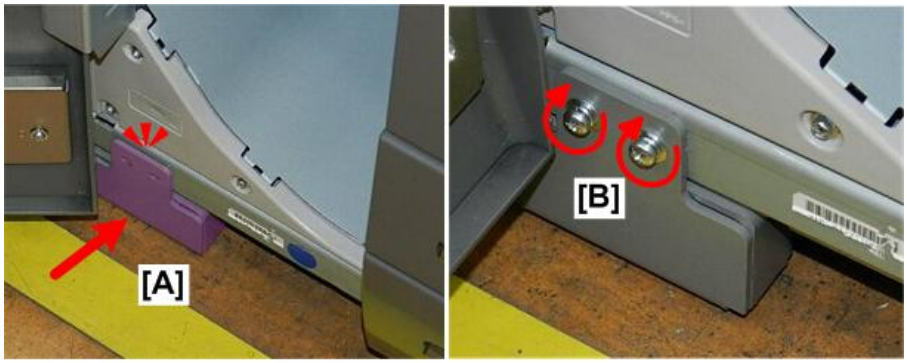
- This procedure is required for the printer model only. Do this procedure before loading the paper trays in the printer model.

1. Open both front doors.
2. The braces are provided with the machine.
   - Left brace [A]
   - Right brace [B]



m263b1024

3. Slide the left brace [A] under the left corner of the machine.
4. Fasten the brace [B] with the screws provided (x2).



m263b1025

5. Slide the right brace [A] under the right corner of the machine.
6. Fasten the brace [B] with the screws provided (x2).

m263b1026

7. Close the front doors.

Paper Trays

Loading the Paper Trays

⚠CAUTION

- Before loading paper in the paper trays of the printer model, install the tip prevention braces at the front corners of the machine. See the procedure above.

1. Load each paper tray.
2. Move the side fence and bottom fence to the correct positions for the paper.
3. Attach the paper size decals to the front of the paper cassette trays and the tandem tray.
4. Load the left side of Tray 1 (tandem tray).
5. Close Tray 1 and confirm that the machine moves the stack in the left side of the tray to the empty right side of the tray.
6. Fill Tray 1 and Tray 2 with paper. The size of the paper in Tray 2 is detected automatically.

Paper Tray Settings

1. Press the [Paper Settings] key on the operation panel.
2. Select the Tray icon.
3. Select the paper type and paper weight for each tray.

Important

- The paper type and paper weight for the paper provided with the machine should be set to "Plain Paper" and "Weight 2".

d1790914

SMC Report

Print the SMC report. This is a complete list of all SP settings and defaults.

1. Go into the SP mode.
2. Do **SP5990-6** to print a list of the non-default SP code settings for future reference.
   - The SP5990-1 (All) printout is about 140 pages single-sided.
   - SP5990-6 (non-default) requires only about 5 sheets.
3. Keep the SMC report in a safe location with the factory setting sheet on the right side of the used toner bottle.

Test Print

Important

- Make sure that A3 or DLT paper is in one of the trays. Use the same type of paper that the customer normally uses for output.

Copier Model

1. Place a Test Chart on the exposure glass.
2. Print one copy of the chart.
3. Check the test print.

Printer Model

1. Print the Test Print from the printer driver.
2. Check the Test Print.

Check and Adjust Image Areas after Installation or Moving

Do these adjustments in the order described below:

- Front/Back Alignment (Magnification Adjustment): Use one of the two methods described below.
- Main Scan/Sub Scan Registration Adjustment

Copier Magnification Front/Back Adjustment Method 1

Use this procedure or the one in the next section. The second method is faster and easier.

This check and adjustment ensures that the image areas on both the front and back sides of the paper are the same size and aligned with one another. This adjustment is done before the machine leaves the factory, and can also be done at machine installation.

To do this adjustment you will need to:

- Set Tray 2 for normal paper, thickness 2
- Load A3 normal paper in Tray 2
- Print the Trim Pattern
- Do some simple calculations, based on measurements of the Trim Patterns, and then do some adjustments

1. Set the A3 Normal paper in Tray 2.
2. Enter the SP mode, and then check and set the following SP codes.

2103-001	• Note the setting. • If it is not “4.0”, set it to “4.0”. • Restore the original setting after adjustment.
2122-112	• Note the setting. • If it is not “0”, set it to “0”. • Restore the original setting after adjustment.
2103-002	• Note the setting.

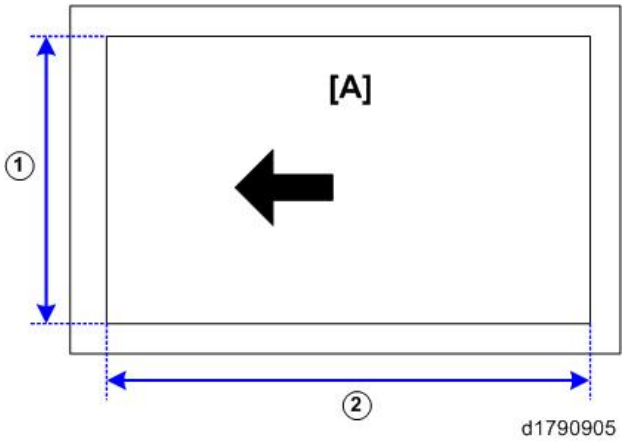
	• If it is not “4.0”, set it to “4.0”. • Restore the original setting after adjustment.
2103-003	• Note the setting. • If it is not “2.0”, set it to “2.0”. • Restore the original setting after adjustment.
2103-004	• Note the setting. • If it is not “2.0”, set it to “2.0”. • Restore the original setting after adjustment.
1004-001 to 003	• Note the settings. • Make sure that all these SP codes are set to their defaults. • Do not restore the original settings after adjustments.
1005-001 to 004	
2102 - 041 to 044	• Set all of these SP codes to “0”.

3. Do SP2109-003, select pattern #14, and then print Trimming Area patterns **on both sides** of 5 A3 sheets.

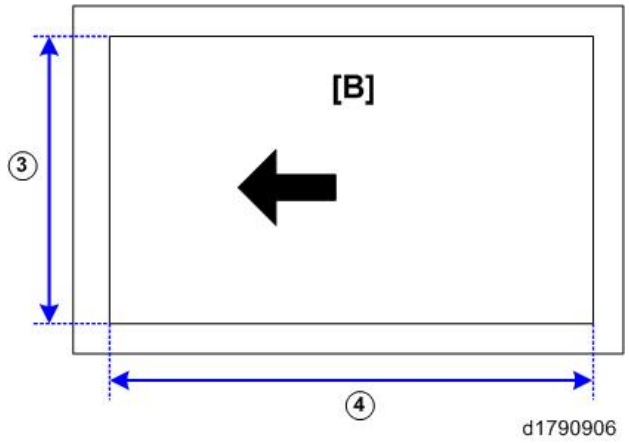
Note

- The procedure for printing the pattern is different for the Printer model. For details, see the section below: “Printing Pattern #14 for the Printer Model”.

4. On the front side [A] of each A3 sheet, record the measurements of ① and ② at the leading edge and left edge, and then calculate the average value of the 5 measurements.



5. On the back side [B] of each A3 sheet, record the measurements of ③ and ④ at the leading edge and left edge, and then calculate the average value of the 5 measurements. You can fill in the table below to record the measurements and averaged results.



Print	①	②	③	④
1st				
2nd				
3rd				
4th				
5th				
Ave.				

6. Use the average values you calculated for ①,②,③,④ above in the following calculations to determine the magnification rates.

   Front, Main Scan (%) = Ave. ① mm / 293 mm x100

   Front, Sub Scan (%) = Ave. ② mm / 412 mm x100

   Back, Main Scan (%) = Ave. ③ mm / 293 mm x 100

   Back, Sub Scan (%) = Ave. ④ mm / 412 mm x 100

   Theoretical Trim Pattern Values

	A3	**DLT**
①, ③	293 mm	275.4 mm
②, ④	412 mm	423.8 mm

7. Enter the results calculated in Step 6 into SP2102-041, 042, 043, 044 (front/back, main/sub scan) to adjust magnification for both the front and rear sides of the paper (you can adjust in 0.025% steps).
8. After entering the calculated values, print another 5 Trim Patterns (front/back sides) with SP2109-003 Pattern #14, and then do the measurements again at Step 4 and Step 5 to check the magnification rates for the front and back sides of the paper.

Note

- The procedure for printing the pattern is different for the Printer model. For details, see the section below: “Printing Pattern #14 for the Printer Model”.

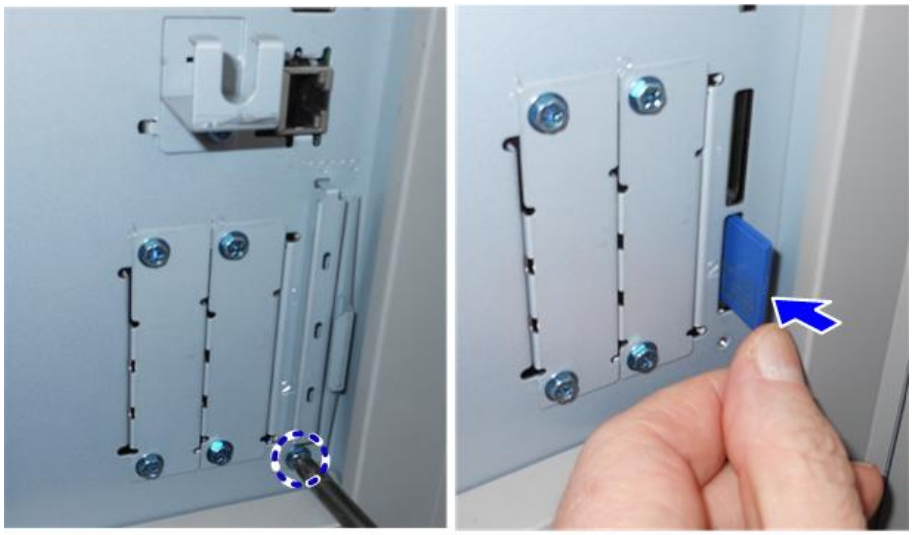
Copier Magnification Front/Back Adjustment Method 2

Method 2 is faster and easier than Method 1 described in the previous section.

Important

- If there is any image skew, this must be corrected before doing the front/back registration adjustment.
- You can do this procedure with the following paper sizes:
- SRA3, A3, 13" x 19", 12" x 18", 11" x 17", 315 mm x 450 mm, 318 mm x 469 mm, Custom paper sizes between A4 and 13" x19"

1. Turn off the main machine.
2. Remove the SD card slot cover, and then insert the "NICE for registration" SD card into Slot 2. (x1)

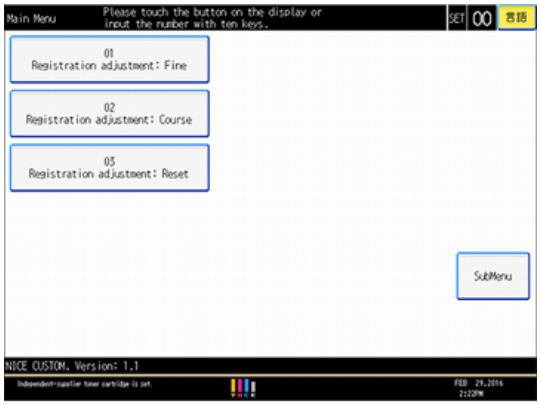


d270b0054

3. Turn on the main machine.
4. Press the Program key on the operation panel to open the NICE menu.

d270b0055

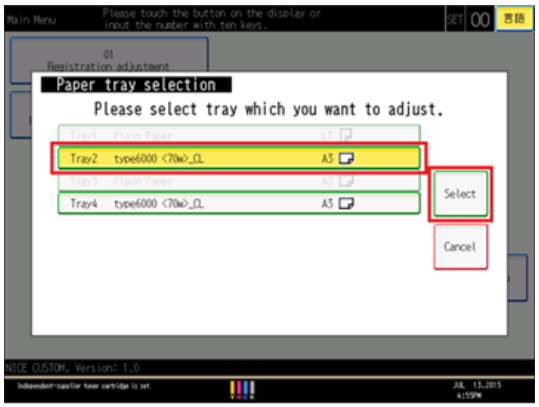
5. On the Main Menu, press [01 Registration adjustment: Fine] or [02 Registration adjustment: Coarse].



d270b1401

- **01 Registration adjustment: Fine.** This selection adjusts the registration of front and back sides by scanning a test chart six times (front and back 3 times each)
- **02 Registration adjustment: Coarse.** This selection adjusts the registration of front and back sides by scanning a test chart twice (front and back once each). This adjustment is rather easy, but if you need more precise adjustment, do the Fine adjustment.

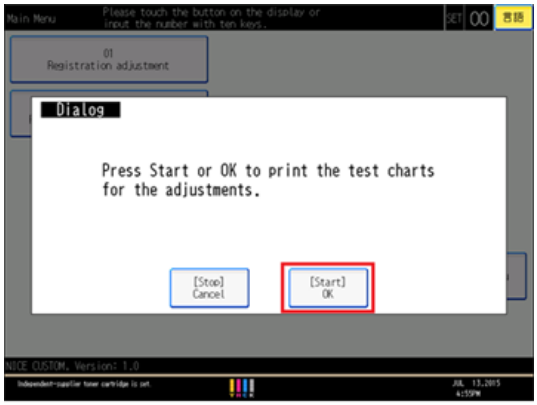
6. Select the tray for the registration adjustment, and then press [Select]. Note that the adjustment is done for each tray.



d270b1402

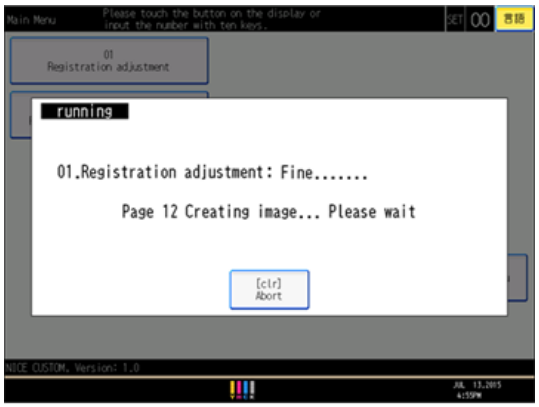
Adjustment is available only for trays associated with custom paper settings. Trays used under manual settings are grayed out and cannot be adjusted.

7. Press [Start OK].



d270b1403

8. Wait for the test chart to print out.

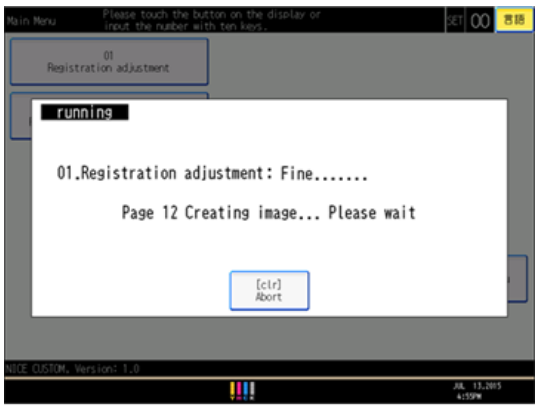


d270b1404

The illustration above shows an example of the sequence for the 'Registration adjustment: Fine.' procedure

9. Check the printouts. The number of test charts printed differs depending on the type of adjustment selected (01 Fine, or 02 Coarse).

01 Registration adjustment: Fine. Test chart (x3), Blank sheet (3 copies printed respectively before and after the test chart).



d270b1404

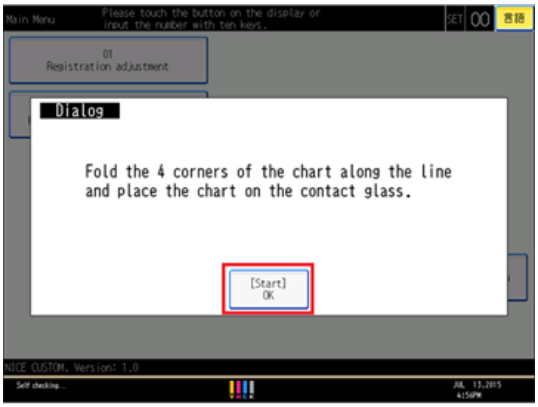
Registration adjustment: Coarse: Test chart (x1), Blank sheet (3 copies printed respectively before and after the test chart)

d270b1406

Note

Blank sheets are not used for the adjustment.

10. Press [Start OK].

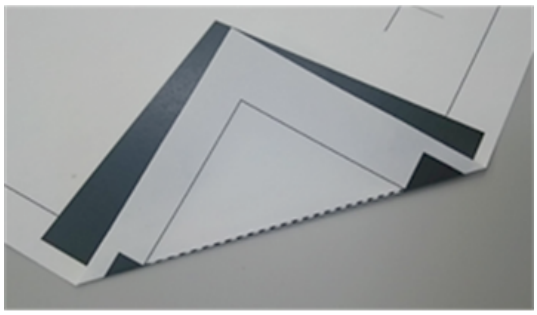


d270b1407

11. To start scanning the FIRST side (front), place the test chart so that the side marked 'FIRST' is facing up.
    Fold the 4 corners along the dotted lines printed on the back side.
    For '01 Registration adjustment: Fine', do the same for the remaining 2 charts.

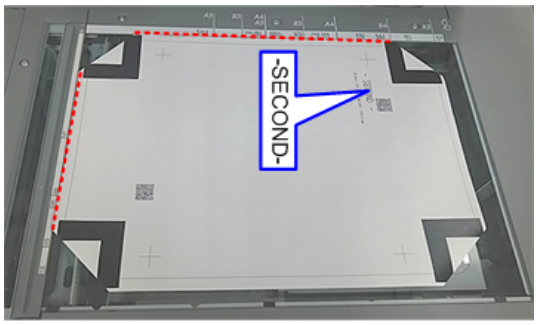
d270b1408

For best results, fold along the line exactly



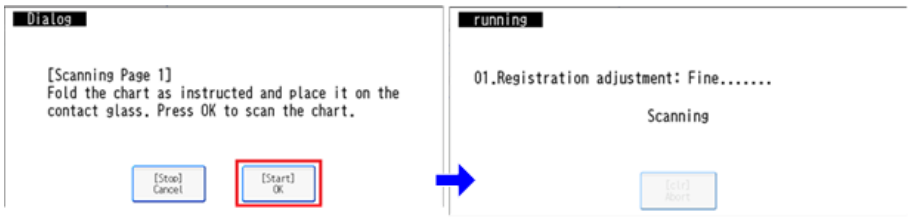
d270b1409

12. Place the chart on the exposure glass so that the side marked 'SECOND' is facing up, because you will be scanning the FIRST side. Make sure the top and left edges of the chart are set flush against the edges of the exposure glass.



d270b1410

13. Press [Start OK] to start the scan.



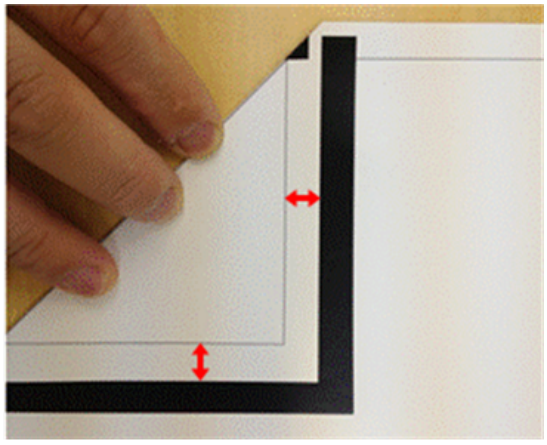
d270b1411

14. After the scan completes, remove the chart from the exposure glass, and then press [Start OK]. For 'Registration adjustment: Fine', do the same for the 2 other charts.

d270b1412

From the scanned data, the software application on the NICE SD card reads the distance between the dotted

lines along the folded edges and the paper edge on all 4 corners.



d270b1413

An error message will appear:

(1) if the same chart was scanned

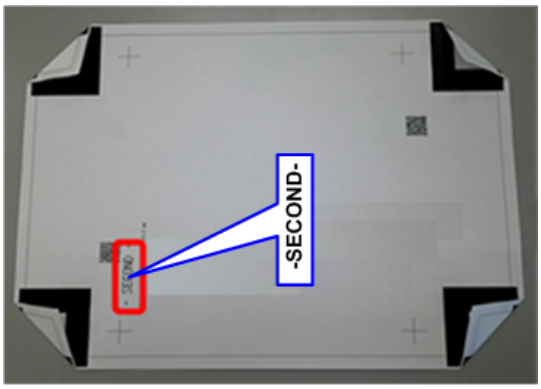
(2) if the wrong side of the chart was scanned

(3) if the chart was not placed correctly on the exposure glass.

Press [Start Retry] and scan again to recover from the error

d270b1414

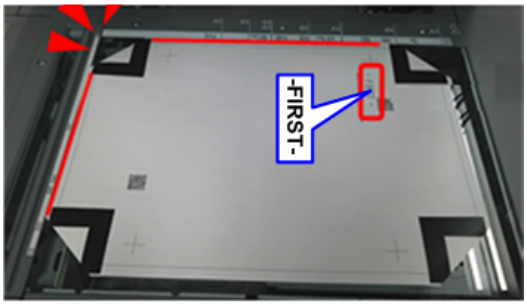
15. To start scanning the SECOND side (back), flip the chart and fold the 4 corners along the dotted lines as you did for the FRONT side above, but this time with the side inscribed 'SECOND' facing up. For '01 Registration adjustment: Fine', do the same for the 2 other charts.



d270b1415

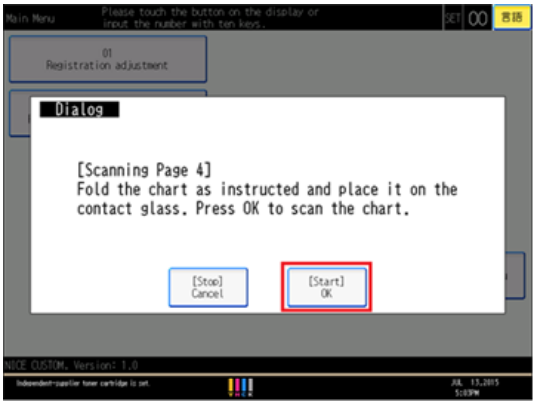
16. Place the chart on the exposure glass so that the side marked 'FIRST' is facing up, because you will be

scanning the SECOND side. Make sure the top and left edges of the chart are set flush against the edges of the exposure glass.



d270b1416

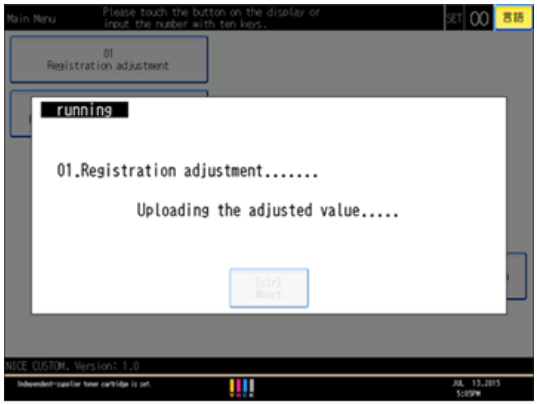
17. Press [Start OK] to start the scan.



18. After the scan completes, remove the chart from the exposure glass and press [Start OK].

d270b1418

For 'Registration adjustment: Fine', do the same for the 2 other charts. The screen below is displayed while the system makes the adjustments.



d270b1419

19. Press [Start OK] to print out the test charts and blank sheets, and check the results.

d270b1420

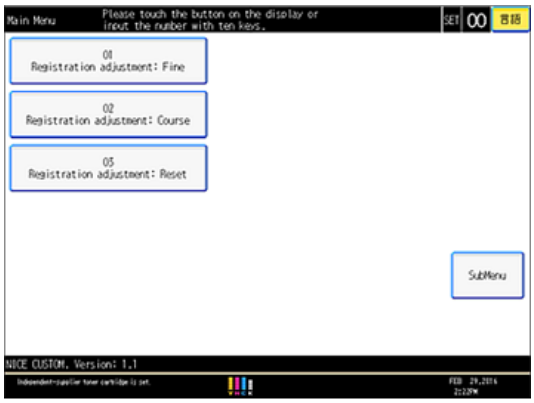
The number of test charts printed differs depending on the adjustment (Fine or Coarse).

- **01 Registration adjustment: Fine:** Test chart (x3) and blank sheets (3 copies respectively before and after the test charts).
- **Registration adjustment: Coarse:** Test chart (x1) and blank sheets (3 copies respectively before and after the test charts).

20. Press [Start OK] to finish.

d270b1421

When the procedure is finished, you will see the initial NICE menu.



d270b1422

21. Press the Program key to exit NICE.
22. Turn the machine off, remove the SD card from Slot 2, and then replace the SD card slot cover.
23. Turn the machine on.

Main Scan/Sub Scan Registration Adjustment

These adjustments achieve the optimum settings for paper registration in the Main Scan and Sub Scan directions.

To do this adjustment you will need to:

- Set Tray 2 for normal paper, thickness 2
- Load A3 normal paper in Tray 2
- Print the Trim Pattern
- Do some simple calculations, based on measurements of the Trim Patterns, and then do some adjustments

1. Set the A3 Normal paper in Tray 2.
2. Enter the SP mode, and then check and set the following SP codes.

1001-001 to 009	• Check each setting. • If it is not “0”, set it to “0”. • Do not restore the original settings after adjustment.
1003-001 to 008	• Check each setting. • If it is not “0”, set it to “0”. • Do not restore the original settings after adjustment.

3. Do SP2109-003, select pattern #14, and then print Trimming Area patterns **on one side** of 5 A3 sheets.

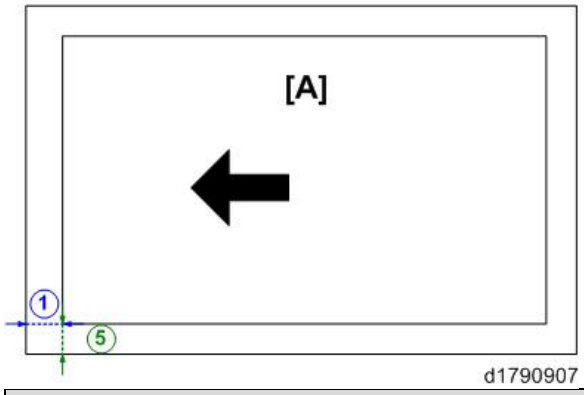
Note

- The procedure for printing the pattern is different for the Printer model. For details, see the section below: “Printing Pattern #14 for the Printer Model”.

Front [A]

4. Measure ① and ⑤ on each sheet [A], and then average the values. You can fill in the table below to record

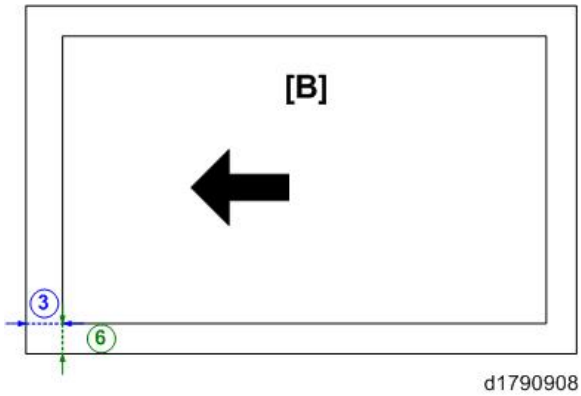
the measurements and averaged results.



Print	① (X)	⑤ (Y)
1st		
2nd		
3rd		
4th		
5th		
Ave.		
Adjustment for X, Y		

5. Use the average value of ① to calculate the sub scan adjustment (X) with this equation:
   4 mm – Ave. ① mm = X mm
6. Use the averaged value calculated in Step 5 to adjust the setting of SP1501-001.
   - The calculated value is added to the current setting of SP1501-001.
   - For example, if the current value of SP1501-001 is "1.0" mm, and the calculated value is "-0.2", then you should enter "0.8" (mm).
7. Use the average value of ⑤ to calculate the main scan adjustment (Y) with this equation:
   2 mm – Ave. ⑤ mm = Y mm
8. Use the averaged value calculated in Step 7 to adjust the setting of SP1502-001.
   - The calculated value is added to the current setting of SP1502-001.
   - For example, if the current value of SP1502-001 is "1.0" mm, and the calculated value is "0.2", then you should enter "1.2" (mm).
9. After completing the adjustments, do SP2109-003, select pattern #14, and then print Trimming Area patterns **on both sides** of 5 A3 sheets.
   - The procedure for printing the pattern is different for the Printer model. For details, see the next section: "Printing Pattern #14 for the Printer Model".
   - Measure ① and ⑤ for the front side, just as you did above, and then measure ③ and ⑥ for the back side as shown in the diagram below.
   - The measurements for ①,③ should be 4±0.3 mm.
   - If each value for ⑤ and ⑥ is 2.0±0.1 and the averaged value 2.0±0.3, this is ideal and no further adjustment is required.
   - If ① and ⑤ are not within these ranges, repeat this procedure from Step 3 above.

- If ③ and ⑥ are not within range, go to the next step



Print	① (X)	⑤ (Y)
1st		
2nd		
3rd		
4th		
5th		
Average		
Adjustment for X, Y		

Print	③ (X)	⑥ (Y)
1st		
2nd		
3rd		
4th		
5th		
Average		
Adjustment for X, Y		

10. If the calculated average ③ is not within 2.0±0.1 mm, or if none of the measurements (1 to 5) ③ are within 2.0±0.3 (recommended), calculate the offset for the sub scan registration value for the average value of ③: 2 mm – ③ mm = X mm
11. Enter SP mode and **add** the offset value for the sub scan adjustment on the back page to the current setting of SP1501-002.
12. If the calculated averaged ⑥is not within 2.0±0.1 mm, or if none of the measurements (1 to 5) ⑥ are within 2.0±0.3 (recommended), calculate the offset for the main scan registration value for the average value of ⑥: 2 mm – ⑥ mm = Y mm
13. Enter SP mode and **add** the offset value for the main scan adjustment on the back page to the current setting of SP1502-002.
14. Do SP2109-003, select pattern #14, and then print Trimming Area patterns **on both sides** of 5 A3 sheets, and then measure the results.

- The averaged result for ③ should be 4.0±0.1 mm, and each value should be in the range 4.0±0.3 mm.
- The averaged result for ⑥ should be 2.0±0.1 mm, and each value should be in the range 2.0±0.3 mm.

Printing Pattern #14 for the Printer Model

With the Copier model, you open SP2109-003, select the pattern number, touch “Copy Window” at the top of the page, and then print the pattern. However, the procedure is different for the Printer model because there is no “Copy Window” button at the top of the display.

Do this procedure with the Printer Model to print the test patterns.

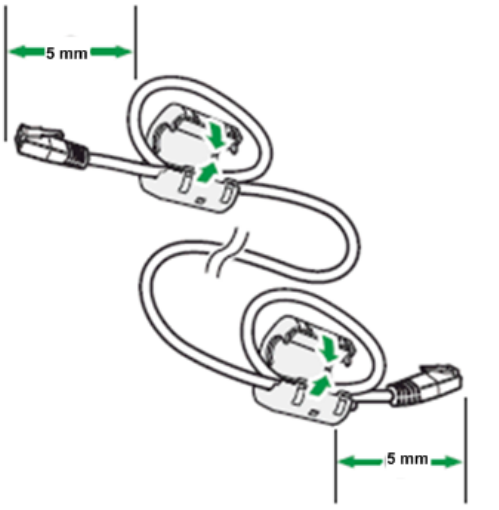
1. Go into the SP mode.
2. Open SP2109-003 and select Pattern #14.
3. Select a tray and load only the number of sheets for the number of prints that you want to make.
4. Unload the paper from the other paper trays. (The machine may print up to 100 sheets if paper is loaded in another paper feed station.)
5. Open SP5990-001 (SP Print Mode: All (Data List)), touch “Execute”, and then select either single-side or double-side printing.
6. When the machine displays the paper out message, touch “Cancel” to stop printing.

Connect the Ethernet Cable (Copier Only)

Important

- Switch the machine off before you connect the Ethernet cable.

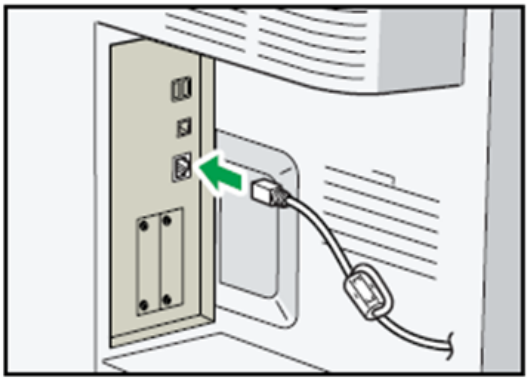
1. Attach two accessory ferrite cores 5 cm from each end of the Ethernet cable.



m263d2108

2. Make sure that the main machine is turned off.

3. Connect the Ethernet cable to the Ethernet interface connection point.



d1800903

Moving and Transporting the Machine

Preparing the Machine

This procedure is the same, whether you are shipping the machine by truck, or just moving the machine to another room, another building, or to another floor of the same building.

Important

- Remove the four height adjustment shoes under the machine.
- Before you move the printer model, remove the left brace [A] and right brace [B] at the front corners of the machine. (x4).
- Remove the paper from the paper trays.

m263b1027

- Switch the machine off.
- Grip the power cord by its head, and then unplug the power cord.
- Make sure all doors and trays are closed.
- The machine is heavy. To avoid damaging the machine, place your hands at the corners of the main frame and push it slowly and straight.

  Important

  - If the passageway is too narrow for the machine, the controller box can be removed. See “Controller Box Removal” in “Common Procedures”.

1. Clear the waste toner path
   - Make sure that the waste toner bottle is set in the machine.
   - Close both front doors.
   - Enter the SP mode and do SP5805-067 to turn on the toner feed motor.
   - While the toner feed motor is running, do SP5804-168 to turn on the waste toner transport motor. These two SP codes should execute at the same time.
   - Wait at least 2 min. and then switch off SP5805-067 and SP5804-168.
2. Remove the toner supply bottles (the machine should be moved with the bottles removed)
   - Make sure that the toner supply bottles are set correctly, and then remove them. If either bottle will not release at the touch of the release lever:
     - If there is a toner bottle on the left side of the toner bank, enter the SP mode, open SP2780-001 and then set it to “0” (Off).
     - If there is a toner bottle on the right side of the toner bank, enter the SP mode, open SP2780-002, and then set it to “0” (Off).
3. The ITB unit should be separated from the drum.
   - Open the front door, and then rotate the ITB lift lever down to the left.
   - Remove the lever (the door will not close if the lever is down).
   - Close the front door.
4. When you arrive at the new site:
   - Open the front doors.
   - Re-attach the ITB lever, rotate it up, and then close the doors.
   - Turn the machine on.
   - Open the toner bank door and insert the toner supply bottles.
   - Close the toner bank door.

If Peripheral Devices Are Installed

Important

- If an LCT is connected to the right side of the machine, pull the LCT away from the machine and then disconnect the ground wire.
- Always disconnect the ground wire before you pull the LCT completely away from the side of the machine.

If a finisher is installed in the system, do the following procedure:

1. First, turn the main machine off.
2. Grip the head of the power cord, and then disconnect the main machine from its power source.
3. Disconnect all the I/F cables in the system.
4. Make sure the front doors of the main machine and all other peripherals are closed.
5. Loosen the screw of the caster of the stack/staple unit of the finisher, raise the caster so it is not in contact with the floor, and then tighten the screw.
   - Normally, the lowered caster supports the stack/staple unit of the finisher from sagging when it is pulled

out of the finisher.

- However, the caster should be raised before the finisher is moved. This prevents the caster from snagging on a carpet or door jamb when the finisher is moved.
- Be sure to lower the caster again after the finisher reaches its next location.

Heater Options

Paper Bank Heater

There are two tray heaters for the paper bank, an upper heater for Tray 1 and a lower heater for Trays 2 and 3.

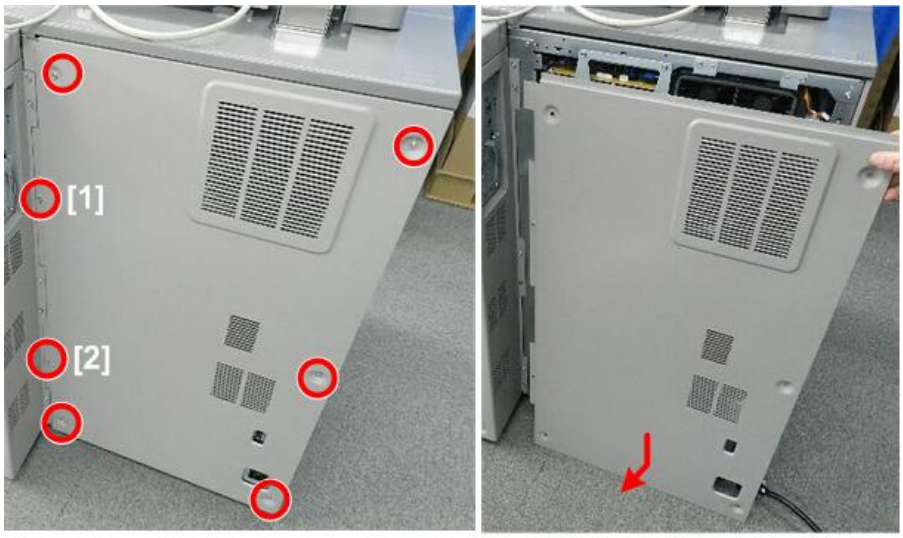
Note

- These heaters are options and require installation.
- There are no switches for these tray heaters.
- Their operation depends on how they are connected to the AC drive board.
- Please explain to the operator that while the heaters can effectively reduce collection of moisture in the paper trays, they will consume slightly more power.

1. Remove the power cord bracket (x1).

d1792207

2. Remove the rear cover (x7)



d1792208

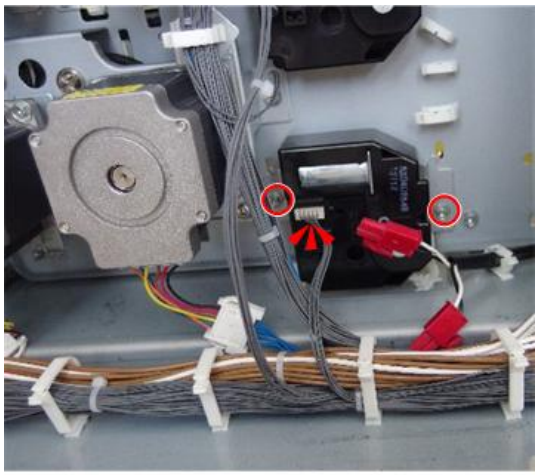
Note

- Screws [1] and [2] are the 3rd and 5th screws from the top.

3. Open the controller box. (Opening the Controller Box)

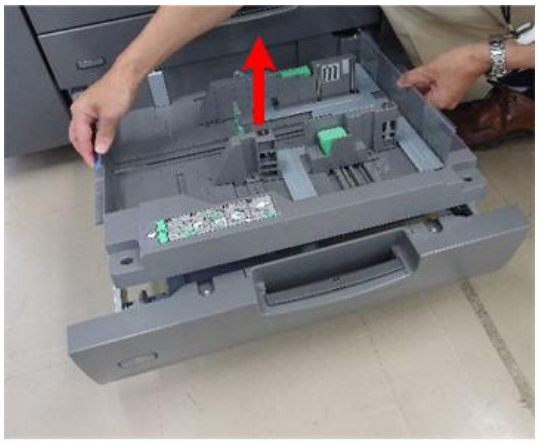
Lower Heater

1. At the back of the main machine, remove the Tray 3 lift motor (x2, x1).



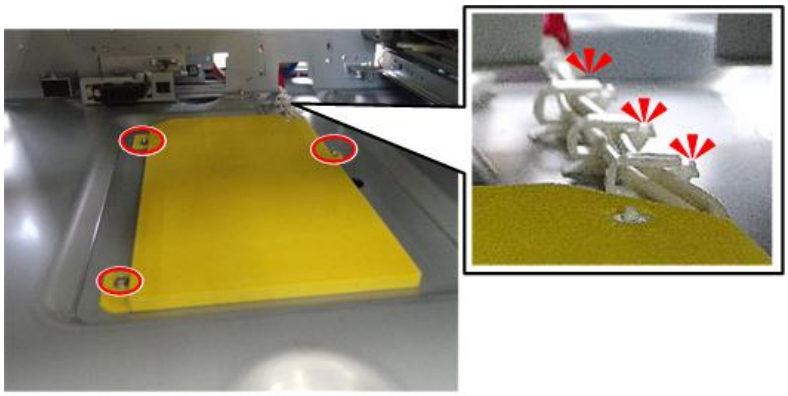
d1800910

2. Remove the inner trays from Tray 2 and Tray 3.



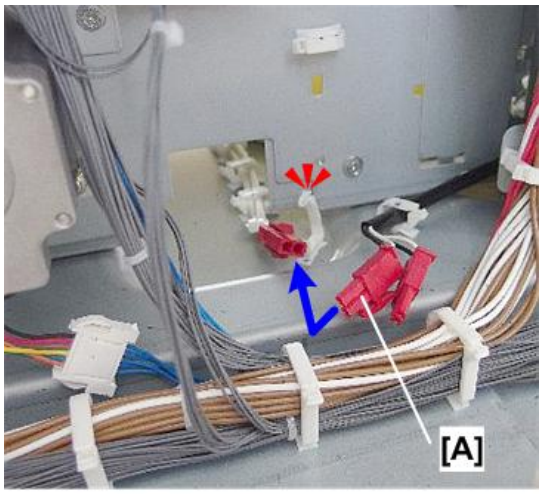
d1800911

3. Attach the large heater inside the machine (x3, x3).



d1800912

4. At the rear, connect the harness [A] (x1,x1).
5. Re-attach the lift motor (x2,x1).

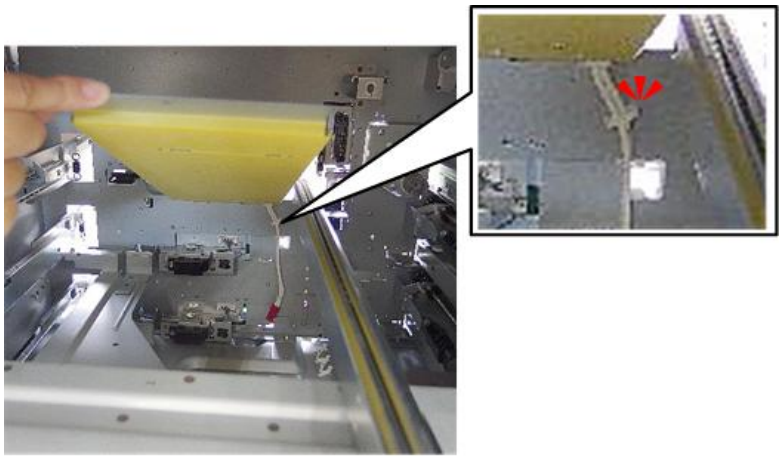


d1800913

Upper Heater

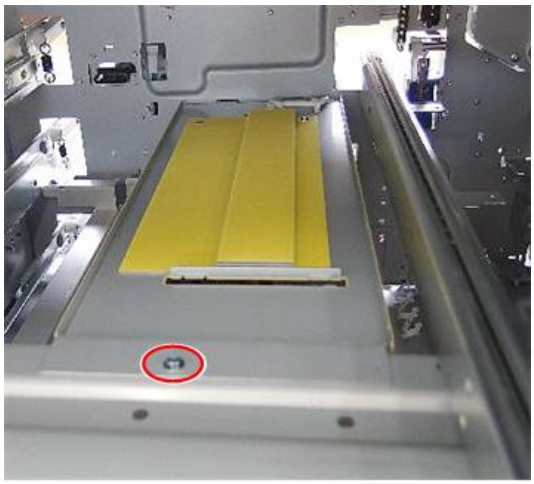
1. Remove the tandem tray (Tray 1). (Paper Tray Removal)

2. Set the clamp of the small heater (x1).



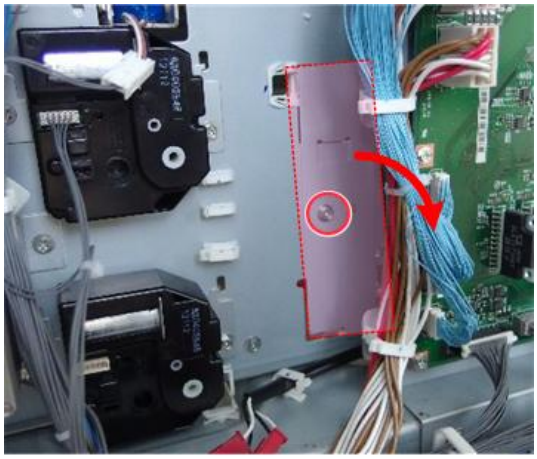
d1800914

3. Fasten the small heater (x1).



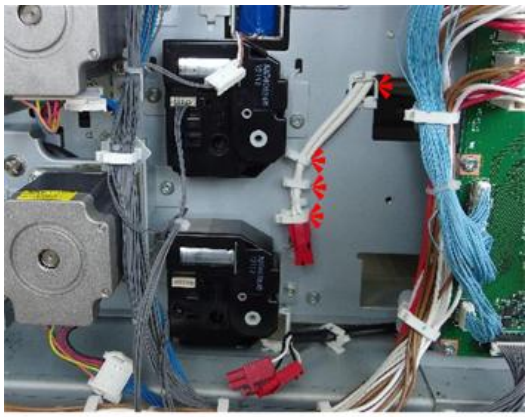
d1800915

4. At the back of the machine, remove the bracket (x1).



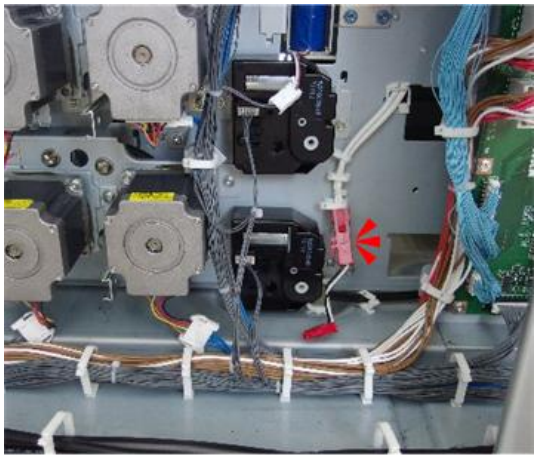
d1800916

5. Route the harness and clamp it (x4).



d1800917

6. Connect the harness (x1).

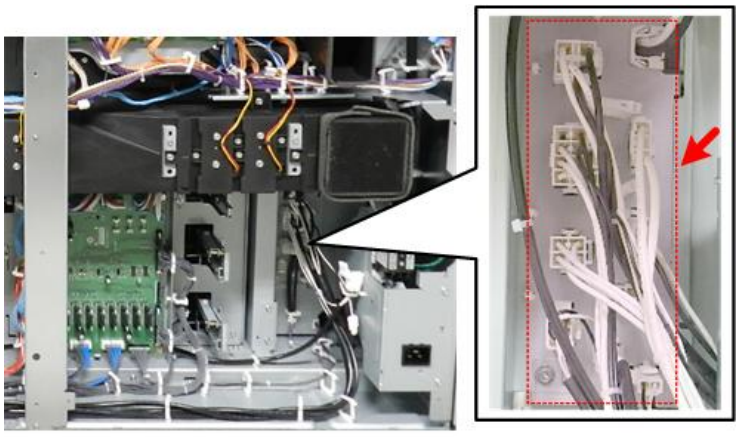


d1800918

7. Be sure to re-attach the bracket (x1).

Heater Connections

1. Locate the bank of white connectors on the back of the AC drive board.

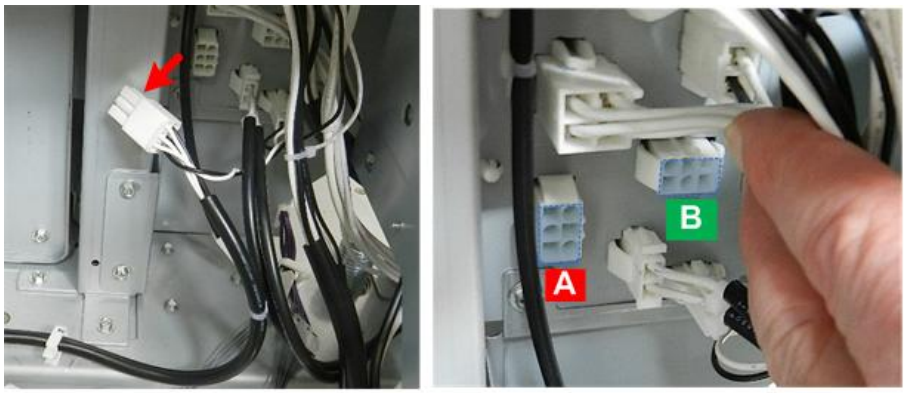


d270b0993

2. Locate the disconnected harness for the bank heaters and the LCIT heater.
3. Plug the connector into socket [A] or [B].

Note

- The connector can be plugged into either [A] or [B]. The socket you choose determines how the two paper bank tray heaters and the LCIT tray heater work together.



d1790994

Socket **B: Heaters ON Only When Machine Power OFF**

- At machine power ON, both paper bank heaters and the LCIT heater turn OFF. (However, the three heaters turn ON when machine is in sleep mode, or if the machine is powered OFF with the main power switch.)
- At machine power OFF, both paper bank heaters and the LCIT heater remain ON.

d1790996

Socket A: Heaters Always ON

- At machine power ON, both paper bank heaters and the LCIT heater switch ON.
- At machine power OFF, the three heaters remain ON.

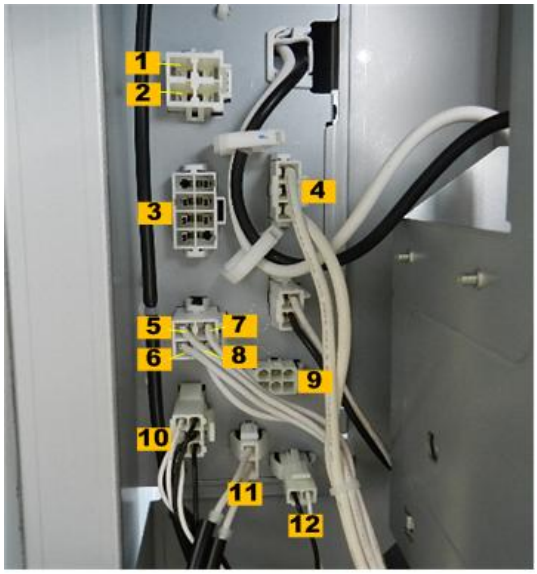
Important

- Plug the connector into Socket A only if the work site is extremely humid.

d1790995

More about AC Drive Board Connectors

Here is a summary of the function of all these connectors on the end of the AC drive board.



d1790920

1	Main SW_IN
2	Main SW_OUT
3	PSU: PSU-A, PSU-B, PSU-C
4	Fusing Lamps 1-4 (H)
5	Fusing Lamp 4 (N): White
6	Fusing Lamp 3 (N): White
7	Fusing Lamp 1 (N): White
8	Fusing Lamp 2 (N): White
9	Anti-condensation heater (RLY switching): Paper bank upper, Paper bank lower, LCT heater
10	Anti-condensation heater (always ON): Paper bank upper, Paper bank lower, LCT heater
11	ITB unit anti-condensation heaters
12	Scanner anti-condensation heater

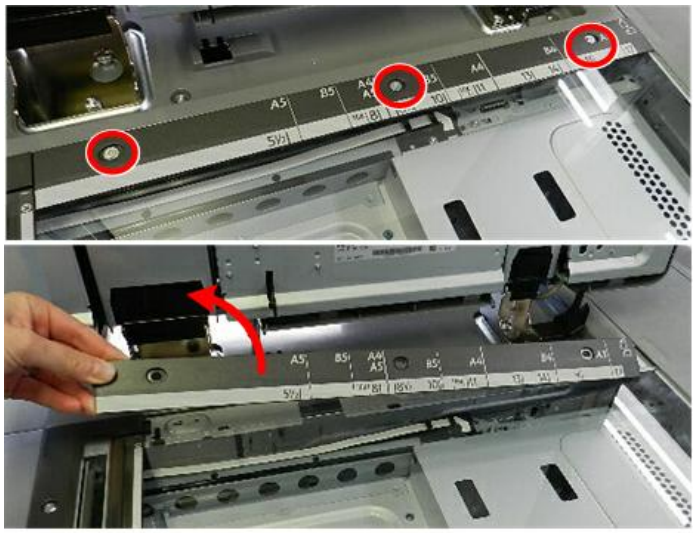
Scanner Unit Heater (Copier Only)

The scanner unit heater is an option and requires installation.

1. Remove the left cover (x7).
2. Raise the ADF

d1792206

3. Remove the rear scale (x3).

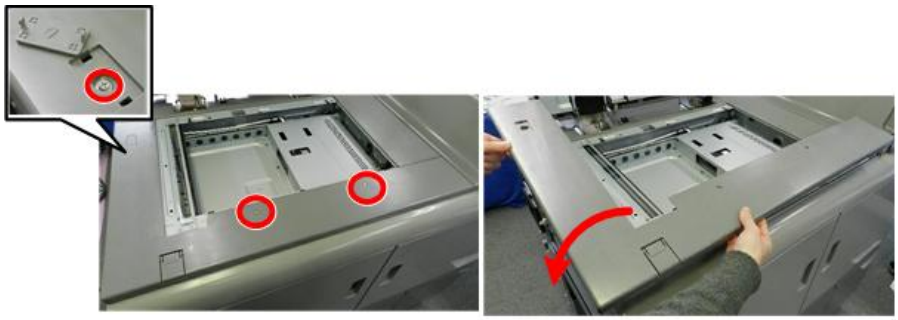


d1792621

4. Remove the left cover (x2).

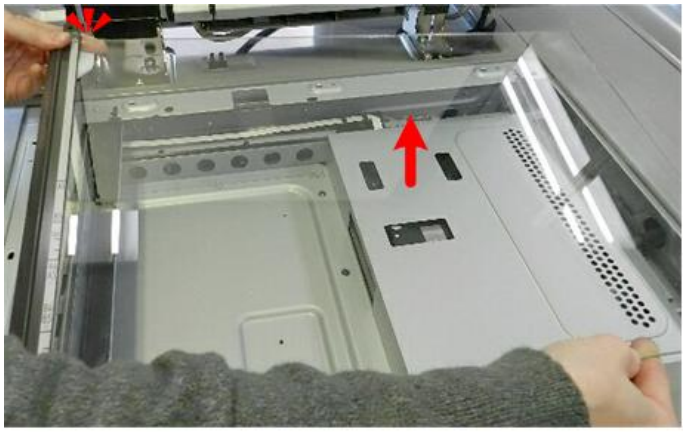
d1792622

5. Remove the front “L” cover (cap x1, x1, x 2)



d1792643

6. Remove the exposure glass.



d1792624

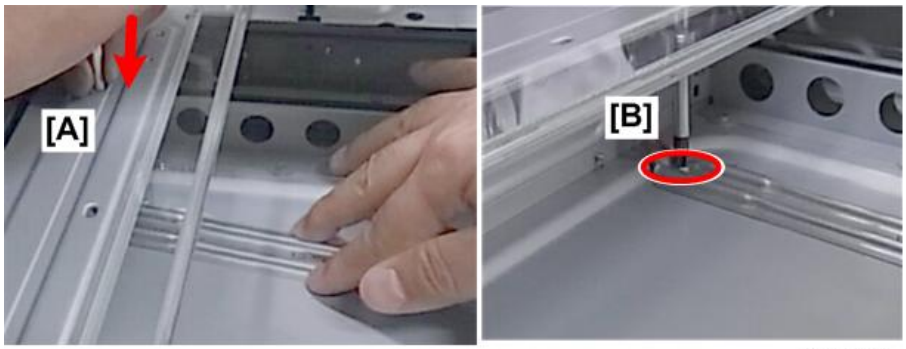
7. Turn the scanner motor belt to move the 1st scanner carriage from left to right as far as the lens block cover.

d1790997

8. Position the heater and fasten the right end (x1).

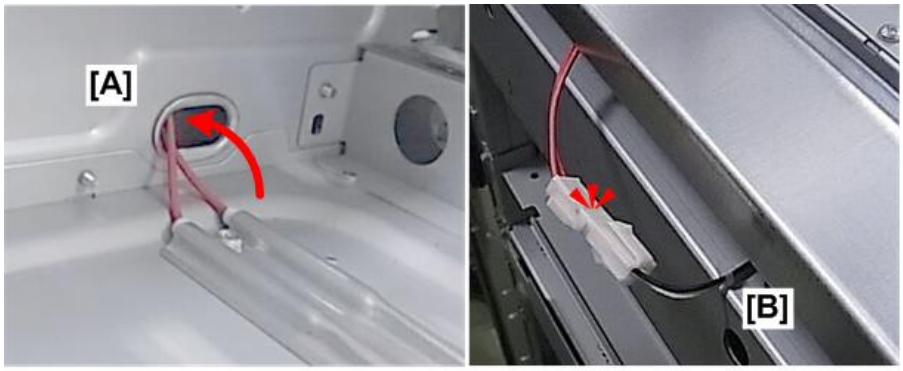
d1792695

9. Align the hole of the heater with the hole [A] in the plate.
10. Pass a screwdriver through the hole and fasten the screw [B] (x1).



d1792696

11. Pass the heater harness through the hole in the frame [A].
12. Connect the connectors on the right side of the machine [B].



d1792697

TCRU Set B

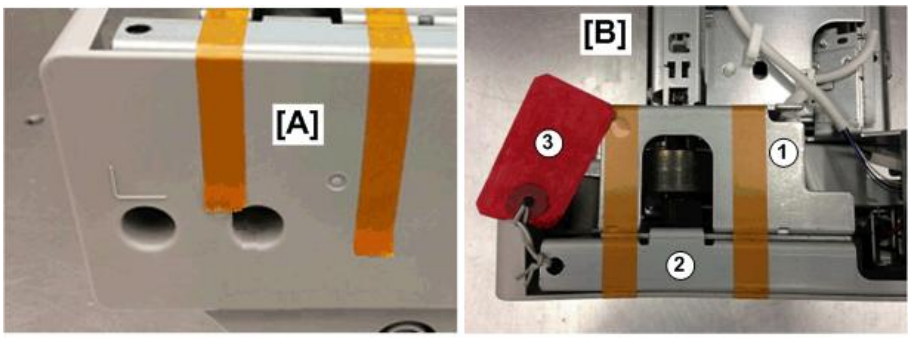
If the customer has ordered TCRU Set B (a fusing unit), remove the shipping brackets.

Important

- The TCRU set for this machine and the previous machine are not compatible.

1. Open the TCRU Set B box, and then remove the fusing unit.

2. Two strips of tape are attached to the front of the fusing unit [A].
3. From the top [B], pull off both strips of tape, and then remove shipping bracket ① and bracket ② with the red tag ③ attached.



d1802607

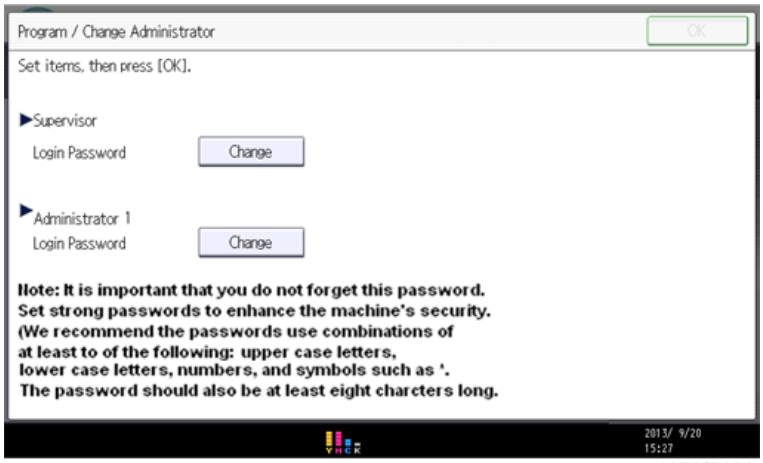
4. Re-pack the unit in its original box so the customer can store it at the job site.

Important Notice on Security Issues

In order to increase the security of the MFP, and to ensure that the customer sets the administrator password, an administrator set/change prompt display appears the first time the machine is turned on.

Overview

The following Program/Change Administrator screen is displayed at the first power-up if you are using the copier model.



d176f2100

- When the customers set the administrator/supervisor login password, the display disappears and the home display will appear.
- The customers, however, can erase this screen with the following procedure if they think there is no need to set the password.

1. On the Program/Change Administrator screen, press [Change] next to Supervisor and then touch [OK] without inputting any password.
2. Touch [OK] again when the Confirm password display shows up.
3. For Administrator 1, do the same procedure as steps 1 and 2.
4. Press the [OK] button, then the home display appears.

- **SP5-755-002** allows the service technician to skip this screen temporarily and continue the installation procedure without setting an administrator password.
- However, the Program/Change Administrator screen appears every time the machine is cycle off/on if the password has not been set.

Password Setting Procedure

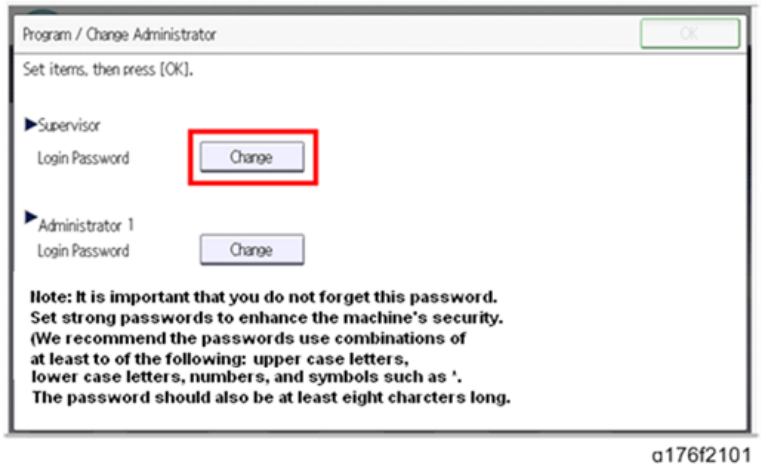
Note

- For more details about this security issue, see “Notes on Using Multi-Function Printers Safely” supplied with the MFP.

⚠CAUTION

- When Supervisor/Administrator 1-4 passwords are configured via network, the “Change Supervisor login password” window will not display.
- The passwords for Supervisor or Administrator 1 to 4 can be set via “System Settings”. But the Program/Change Administrator screen appears every time the power switch is turned on if the passwords are input this way. So we recommend the customers to set the passwords via network or the Program/Change Administrator screen.

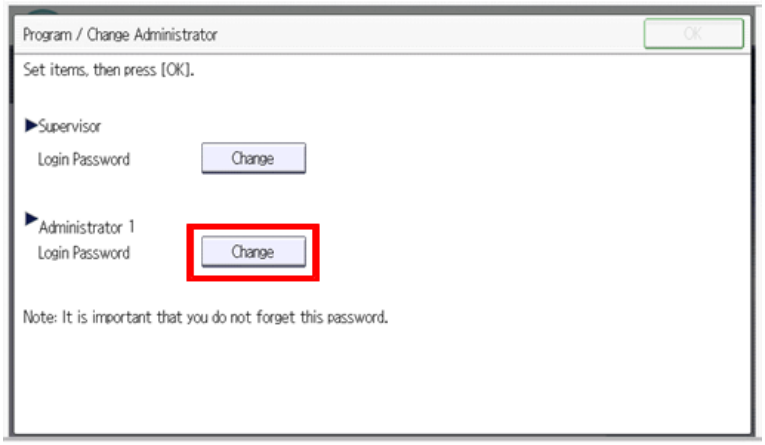
1. Install the MFP.
2. Turn the main power switch on
3. Change the Supervisor login password.



a176f2101

4. Input the password.
5. Press [OK].
6. Confirm the Password.
7. Press [OK].

8. Change the Administrator 1 login password.



d176f2106

9. Input the password.
10. Press [OK].
11. Confirm the password.
12. Press [OK].
13. Cycle the power OFF/ON.

Firmware Update for Peripherals

After the main machine has been installed, you are ready to install the peripheral units selected for the installation.

Important

In order to achieve optimal performance of the main machine with installed peripheral units, after the main machine and the peripheral units have been connected, you must check the version number of each installed peripheral unit to make sure that the most recent firmware is installed.

If the version number is not equal to or higher that the version numbers in the list below, you must download the correct version and install it for the peripheral.

Do this procedure after you have finished the installation of the main machine and the peripheral units.

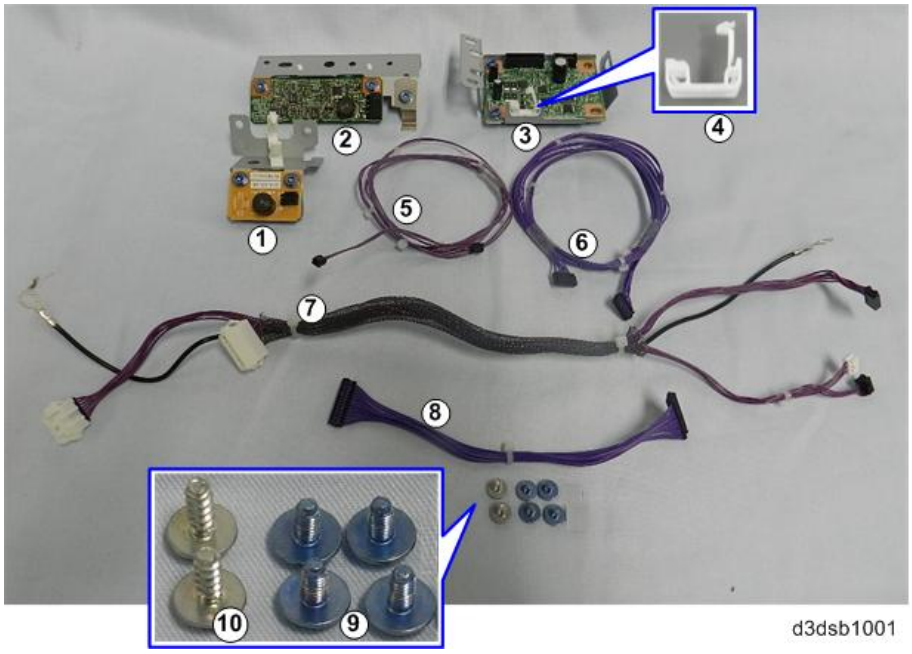
1. Make sure that the machine power cable is connected to the power source and that all the peripherals I/F cables are connected.
2. If the peripheral has an independent power cable, make sure that the cable is connected to an independent power source.
3. Turn the machine on.
4. Go into the SP mode.
5. Open **SP7801**.
6. Check the version number of each peripheral unit against the list below.
7. If the displayed version number is **equal to or higher** that the version number in the list, you are finished.
8. If the displayed number **is less than** the version number in the list, you must download the correct version of the firmware for the peripheral unit, and then install it.

Peripheral	Firmware	Version
ADF	ADF_SINAI_B	01.110:05
LCIT RT5080	LCT_SIBERIA_G	01.030:05
LCIT RT5080 (*1)	LCT2_SIBERIA_G	01.030:05
LCIT RT5070	LCT_ALASKA-E	01.020:05
Vacuum Feed LCIT RT5100	LCT1_LCIT5100	01.040:06
Vacuum Feed LCIT RT5100 ***1**	LCT2_LCIT5100	01.040:06
Cover Interposer Tray CI5030	Inserter_INSERTER	01.060:03
Finisher SR5050, Booklet Finisher SR5060	BookletFinisher_SR5060	02.670.10
Booklet Finisher SR5060	BookletFinisher_SR5060	02.670:10
High Capacity Stacker SK5030	Stacker_SK5030_1	01.070:06
High Capacity Stacker SK5030 ***1**	Stacker_SK5030_2	01.070:06
Perfect Binder GB5010	P-Binder_GB5010_B1	01.200:11
Perfect Binder GB5010	P-Binder_GB5010_B2	01.040:00
Perfect Binder GB5010	P-Binder_GB5010_B3	00.050:00
Perfect Binder GB5010	P-Binder_GB5010_B4	01.070:00
Perfect Binder GB5010	P-Binder_GB5010_B5	01.020:00
Ring Binder RB5020	RingBinder_RB5020_B1	01.500:06
Ring Binder RB5020	RingBinder_RB5020_B2	01.000:03
Trimmer Unit TR5040	Trimmer_TR5040	01.070:05
RPIP Interface Box Type S3	Fin_IFBox	01.010:02

***1** If the Vacuum Feed LCIT RT5100 and High Capacity Stacker SK5030 are installed in the same line, you must install Firmware Version 01.070:06 for the High Capacity Stacker.

Double-feed Kit S7 D3DS

Accessories

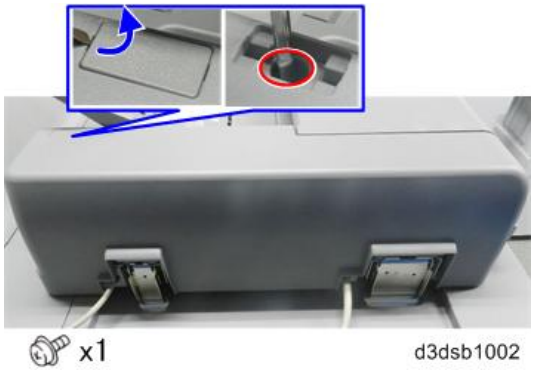


No.	Description	Q'ty
1	Double-feed Sensor 1 (Emitter)	1
2	Double-feed Sensor 2 (Receiver)	1
3	Double-feed Sensor Board	1
4	Saddle Clamp	1
5	Long Harness (2-pin)	1
6	Long Harness (7-pin)	1
7	Shielded Harnesses	1
8	Short Harness (13-pin)	1
9	Screws M3x6	4
10	Screws M3x8	2

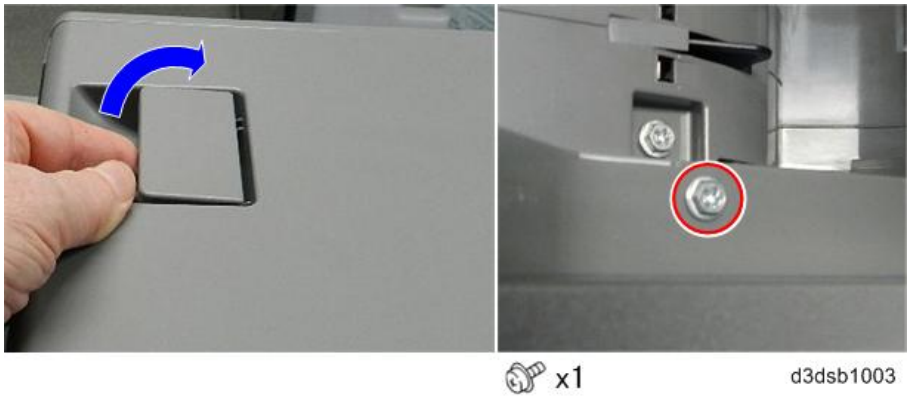
Installation

Remove the ADF Covers

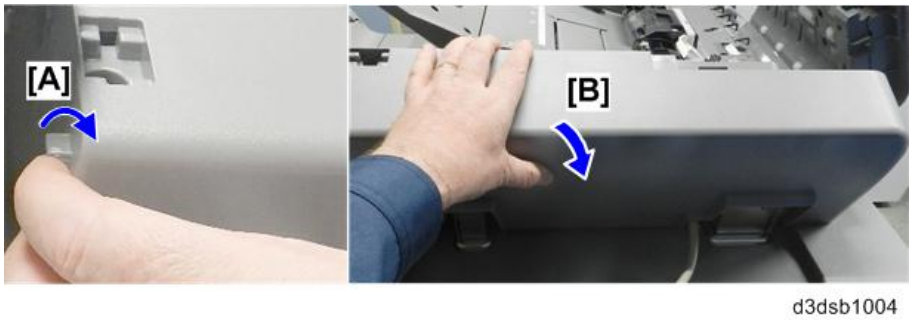
1. At the back of the machine, remove the cap and screw from the rear cover of the ADF.



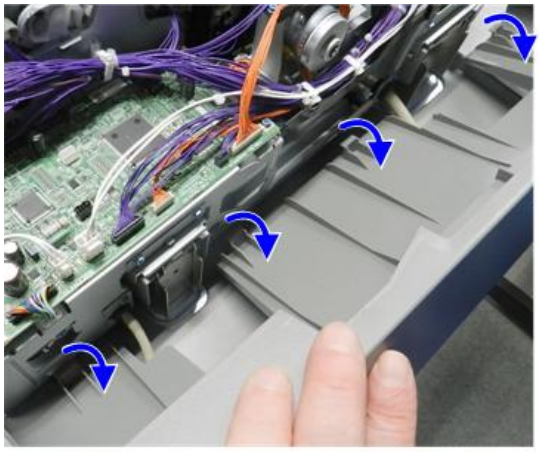
2. Raise the feed cover, and then remove the screw from the top edge of the rear cover.



3. Press the tab [A] on the end of the rear cover to release the cover, and then rotate the cover [B] down slowly.



4. Disconnect the bottom tabs, and then remove the rear cover.

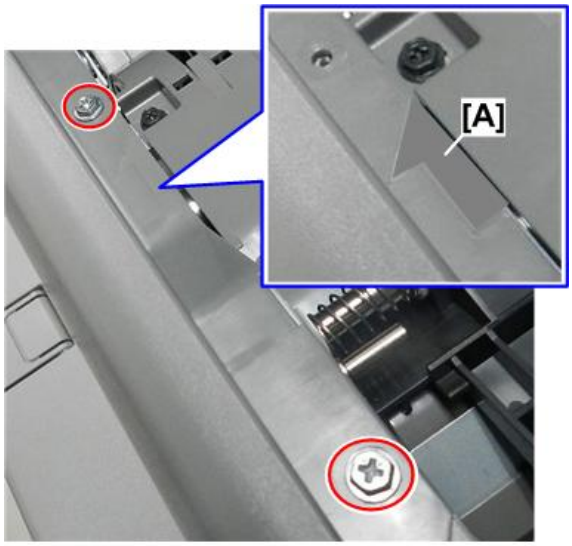


d3dsb1005

5. At the front, raise the ADF slightly.

d3dsb1006

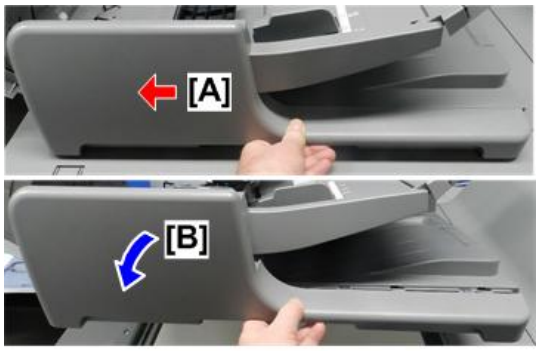
6. Disconnect the top edge of the front cover. The embossed arrow [A] shows which direction to slide the cover to unlock the tabs.



x2

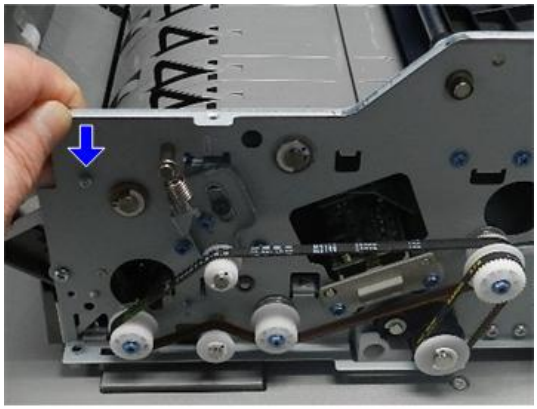
d3dsb1007

7. Push the front cover [A] to the left, and then remove it [B].



d3dsb1008

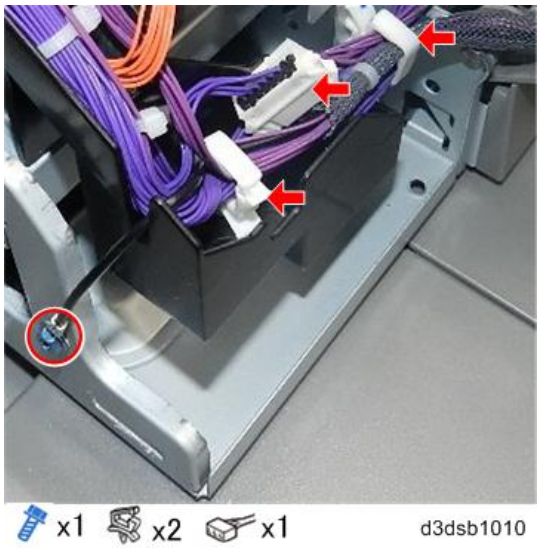
8. Lower the ADF.



d3dsb1009

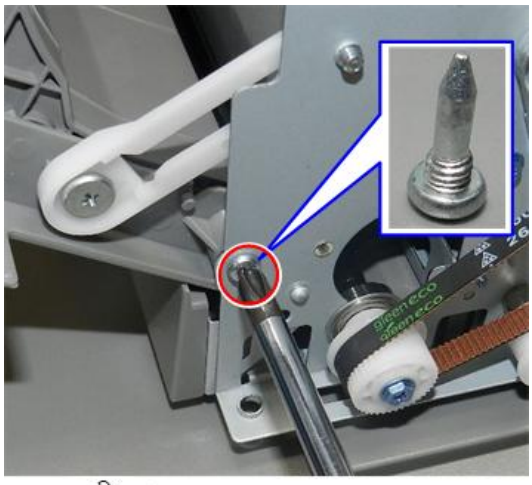
Remove Feed Cover and Upper Guide

1. At the left rear corner of the ADF, disconnect and free the shielded harnesses.



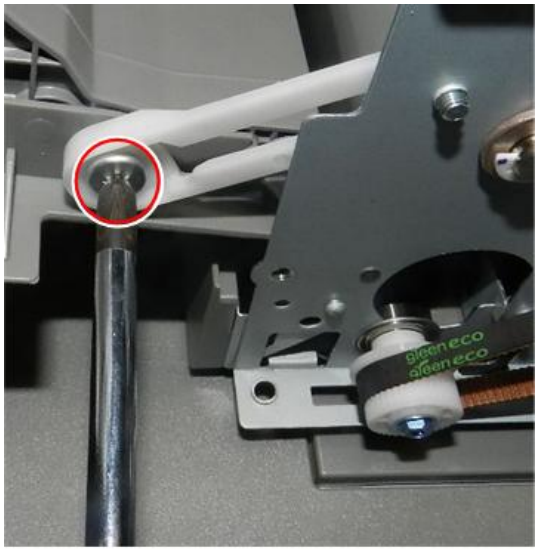
d3dsb1010

2. At the front, remove the pivot screw.



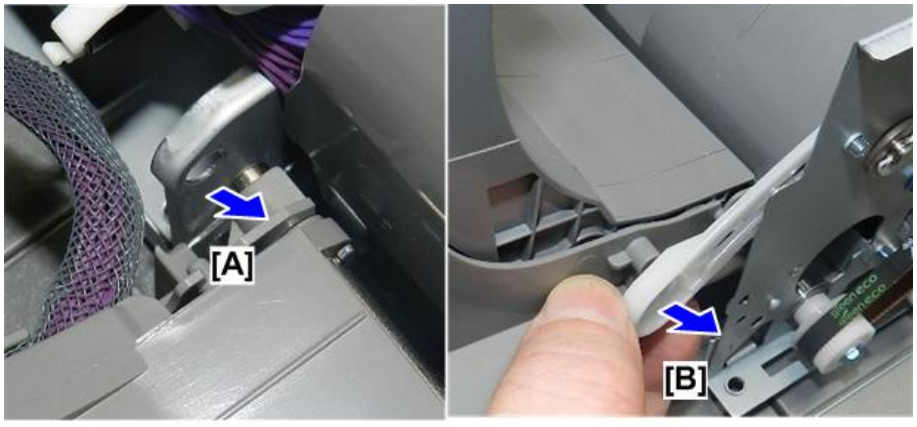
x1 d3dsb1011

3. Disconnect the hinge arm.



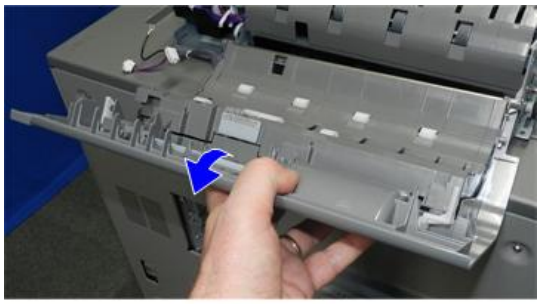
x1 d3dsb1012

4. Carefully, disconnect the cover at the rear [A].
5. At the front, disconnect the hinge arm [B].



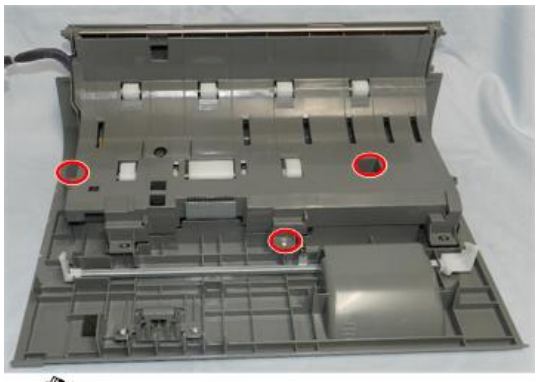
d3dsb1013

6. Remove the feed cover.



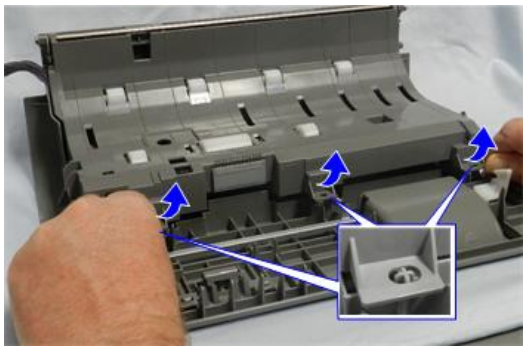
d3dsb1014

7. Lay the feed over on a flat clean surface as shown, and then disconnect the upper guide.

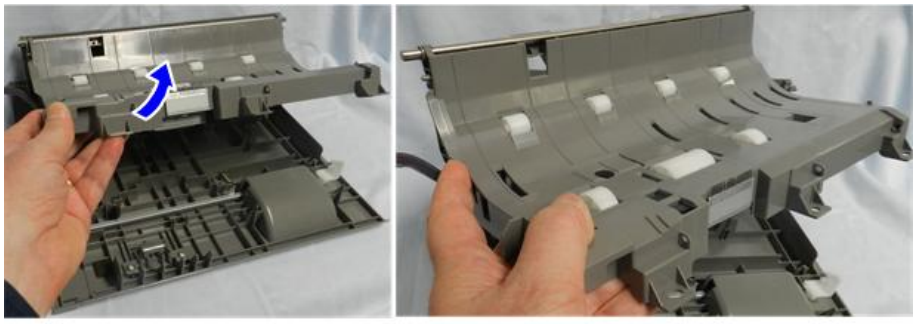


x3 d3dsb1015

8. Release the edge of the upper guide from the posts.



9. Swing the upper guide up, and then remove it.

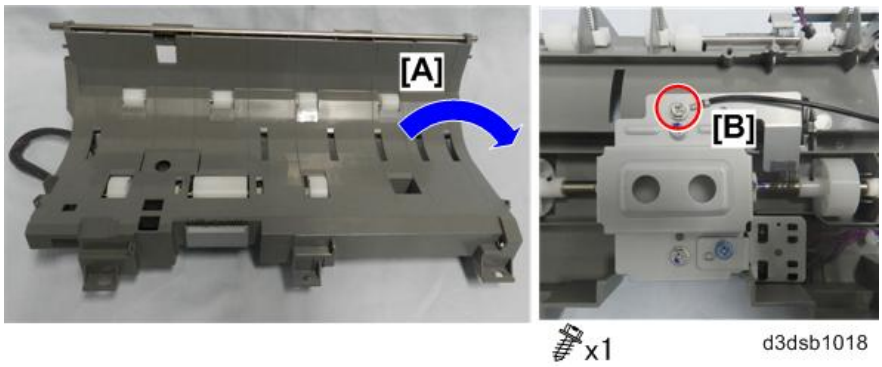


d3dsb1017

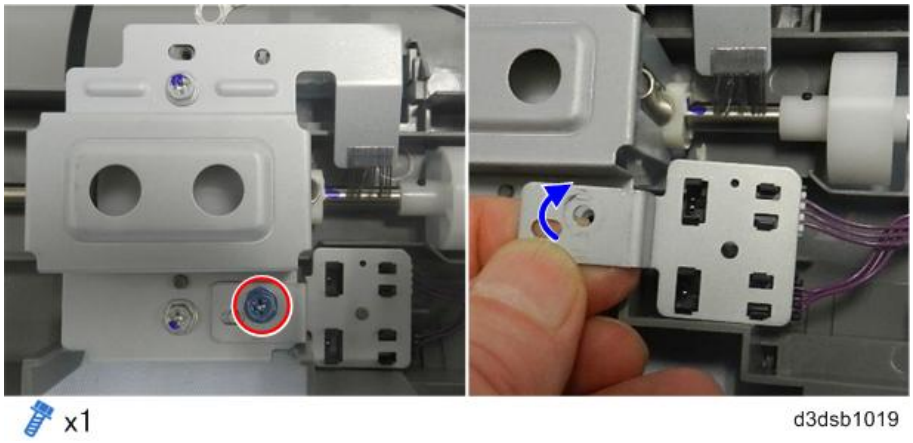
Remove the Original Shielded Harnesses

1. Turn the upper guide [A] upside down.

2. Disconnect the ground wire [B].



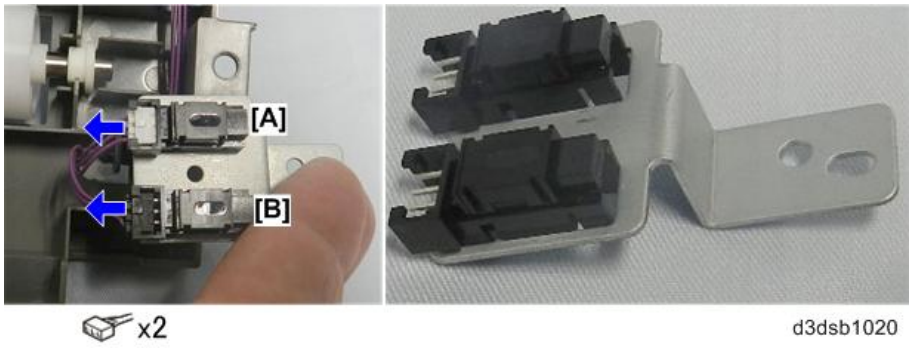
3. Remove the sensor bracket.



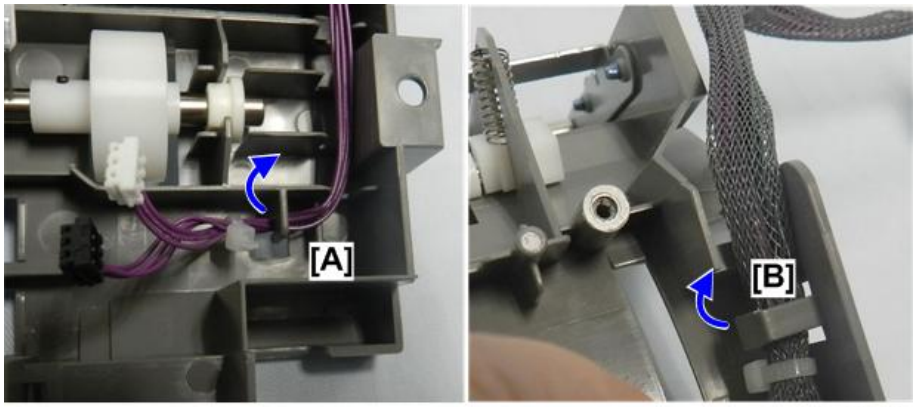
4. Disconnect the skew correction sensor [A] (white connector).
5. Disconnect the separation sensor [B] (black connector).

Note

- These sensor harnesses must be re-connected as shown.



6. Release the shielded harnesses at the front [A] and rear [B].



d3dsb1021

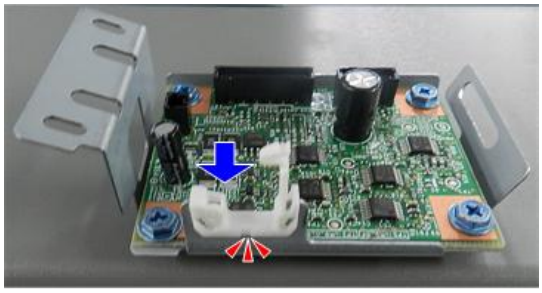
7. Remove the original shielded harnesses.

Install the Double-feed Sensors

Note

- You will need a short screwdriver to fasten the double-feed sensor board.

1. Set the saddle clamp on the edge of the double-feed sensor board.



d3dsb1057

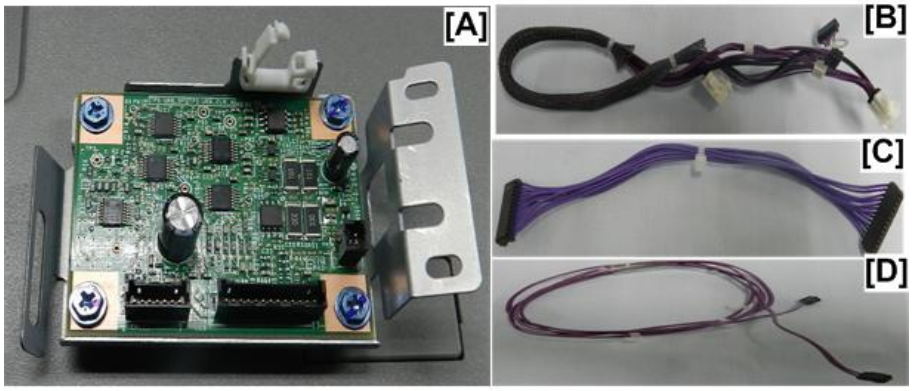
2. Gather these items:

   [A] Double-feed sensor board with attached clamp

   [B] Shielded harnesses

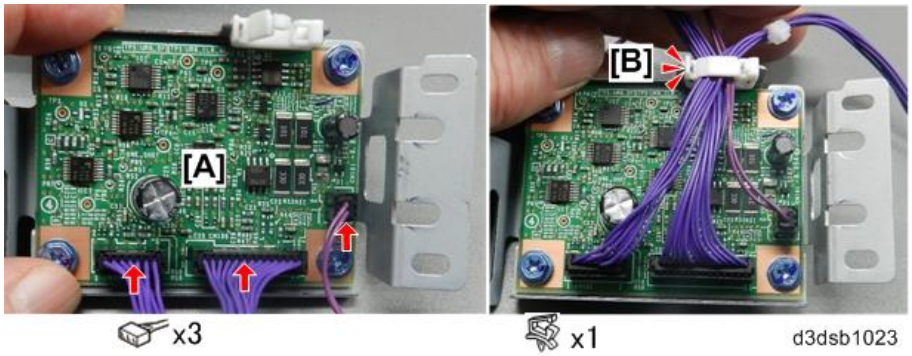
   [C] Short harness (13-pin)

   [D] Long harness (2-pin)

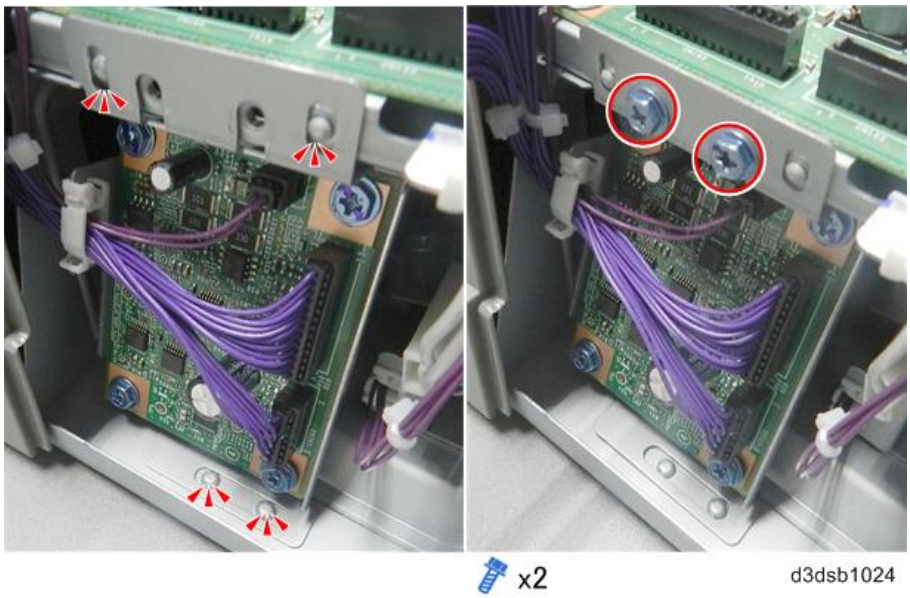


d3dsb1022

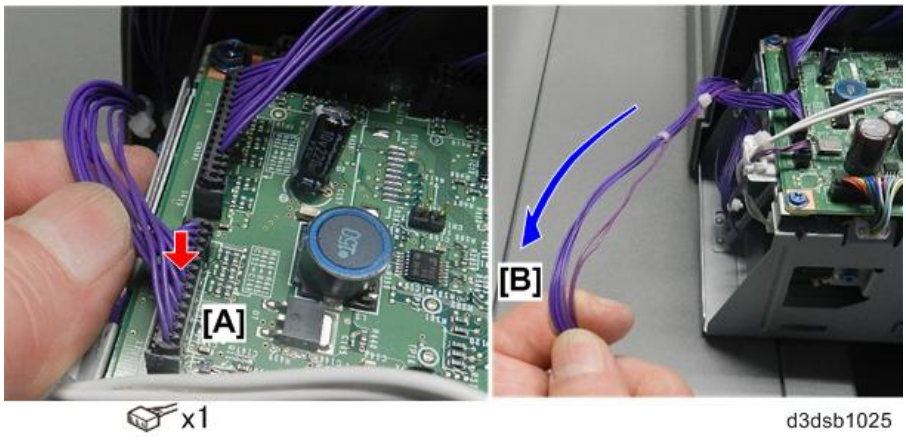
3. Connect the harnesses to the board [A].
4. Clamp the harnesses at [B].
5. Make sure there is no slack in the harness cables between their connectors and the clamp.



6. At the back of the machine, set the double-feed sensor board below the edge of the ADF control board, and then use a short screwdriver to fasten the sensor board.

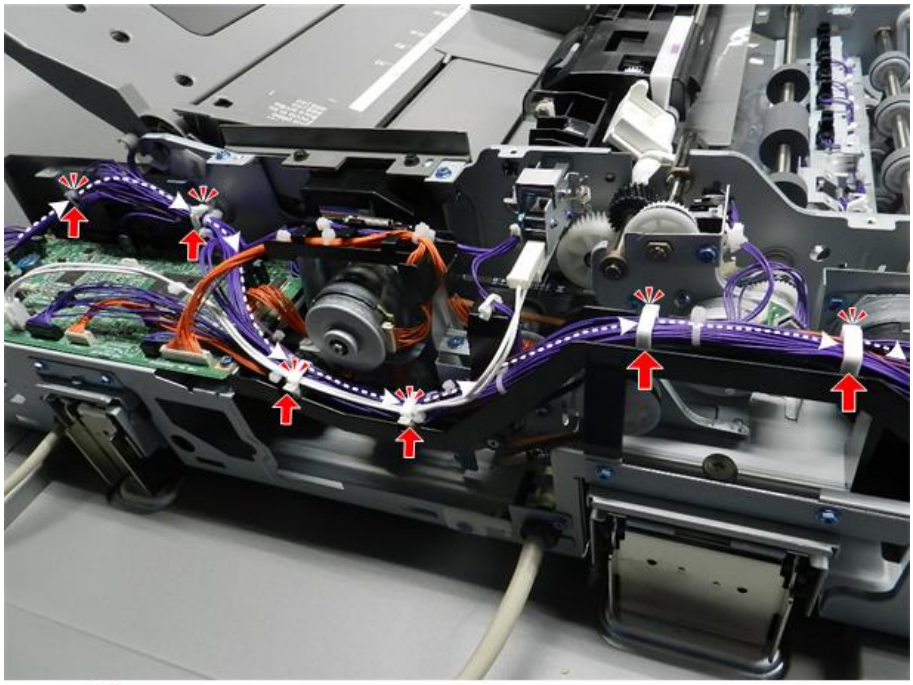


7. Connect the end of the short harness to the ADF control board [A].
8. Gather the long harnesses [B] away from the back of the machine.



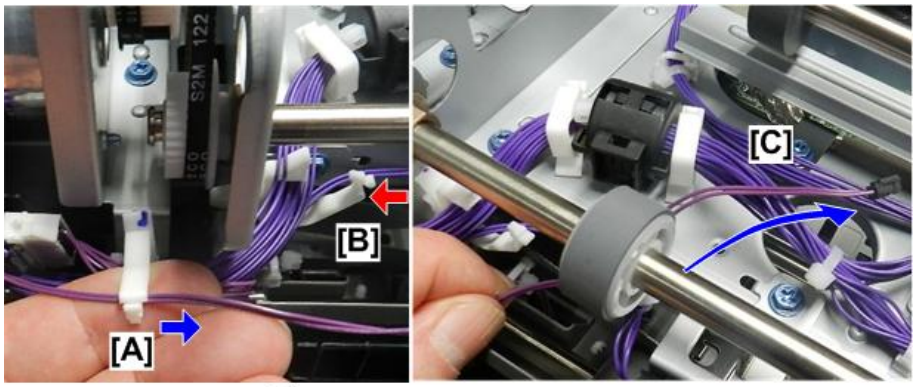
9. At the back of the ADF, work from left to right and close each clamp over both harnesses. Make sure that

there is no slack in the harnesses between clamps.



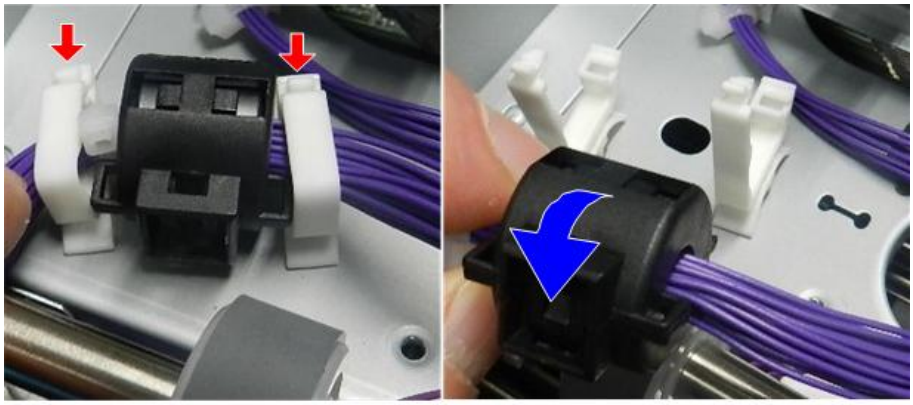
x6 d3dsb1026

10. At the left corner of the ADF, pass the long harness (2-pin) under the open clamp [A].
11. Open clamp [B], and then pass the harness through it as you pull the harness as far as [C].



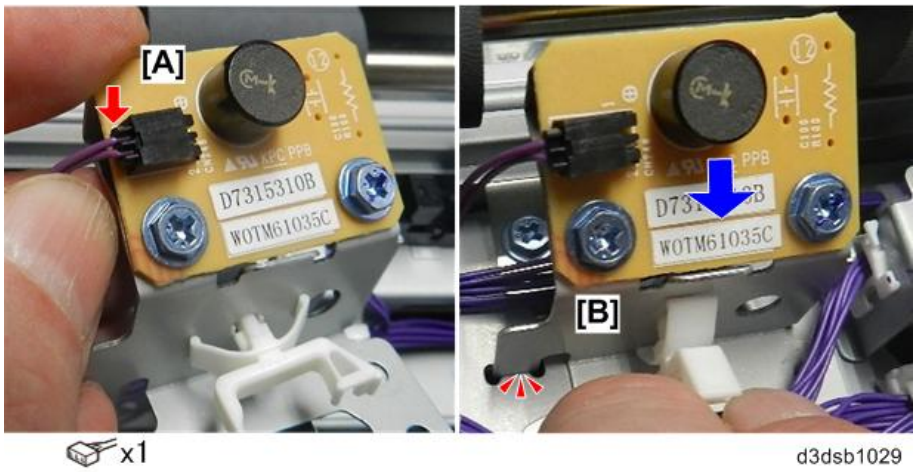
x1 d3dsb1027

12. Free the ferrite core.

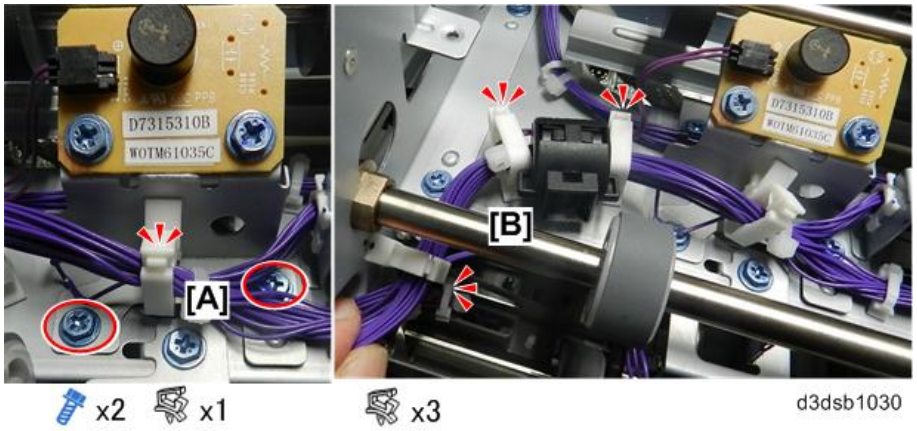


x2 d3dsb1028

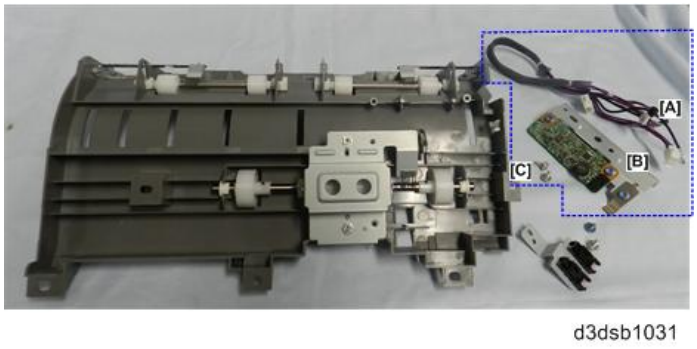
13. Hold double-feed sensor 1 as shown [A], and then connect the harness.
14. Insert the blade of the bracket [B] into the slot.



15. Fasten the sensor bracket [A], and then close the clamp.
16. Thread the harness through the three clamps [B] and then close them.

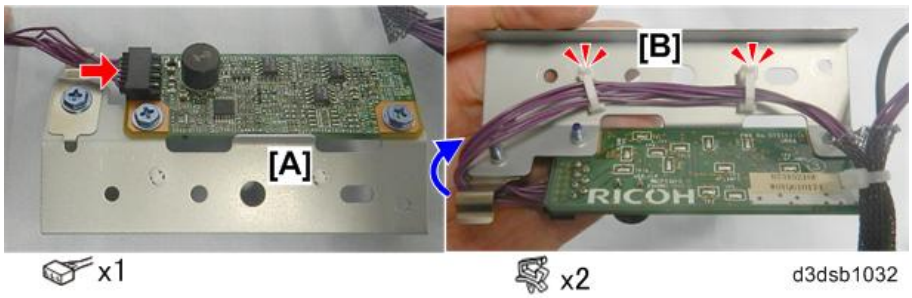


17. Set the upper guide as shown, and then gather these items from the accessories.
    [A] Shielded harnesses
    [B] Double-feed sensor 2
    [C] Screws (M3x8)

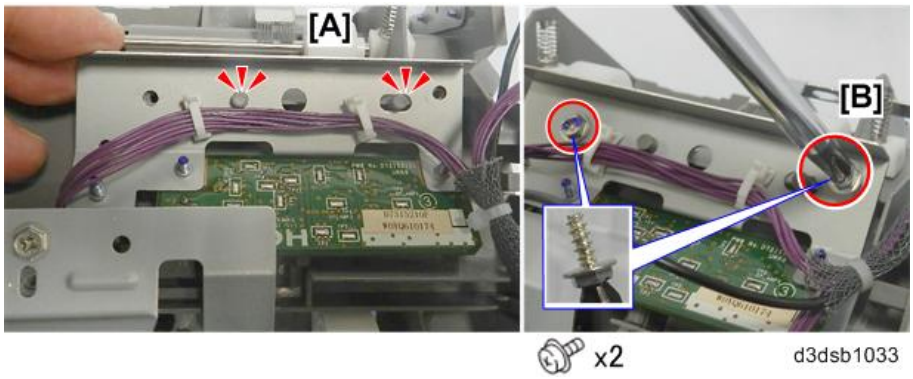


18. Connect the harness to the sensor board [A].
19. Turn the bracket over, make sure that there is no slack in the harness, and then fasten the harness to the

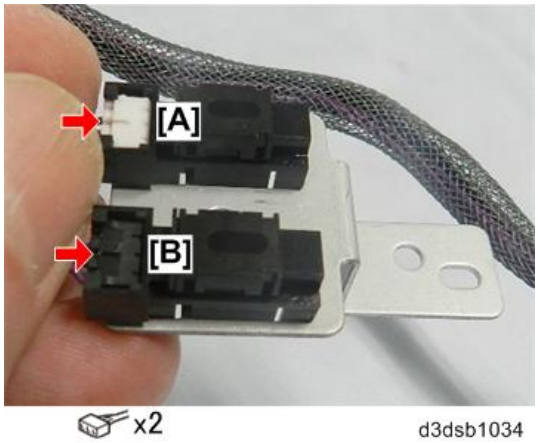
bracket [B].



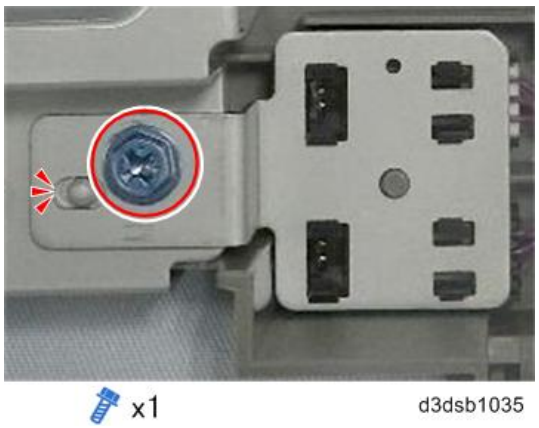
20. Set the bracket [A] and then fasten it [B].



21. Hold the sensor bracket as shown.
22. Connect the skew correction sensor harness [A], and then connect the separation sensor harness [B].

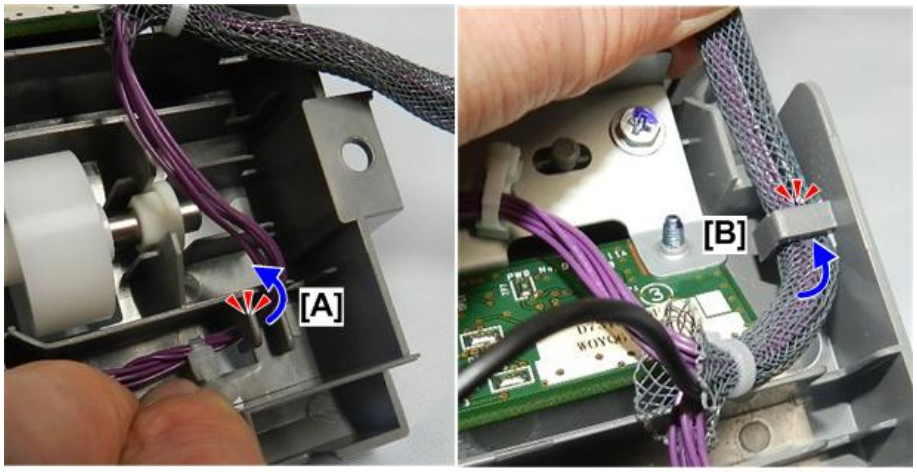


23. Attach the sensor bracket



2.Installation

24. Make sure there is no slack in the harnesses, and then fasten the sensor harnesses under the hooks at [A] and [B].



d3dsb1036

25. Push the shielded harnesses into the channel at the rear corner.

d3dsb1037

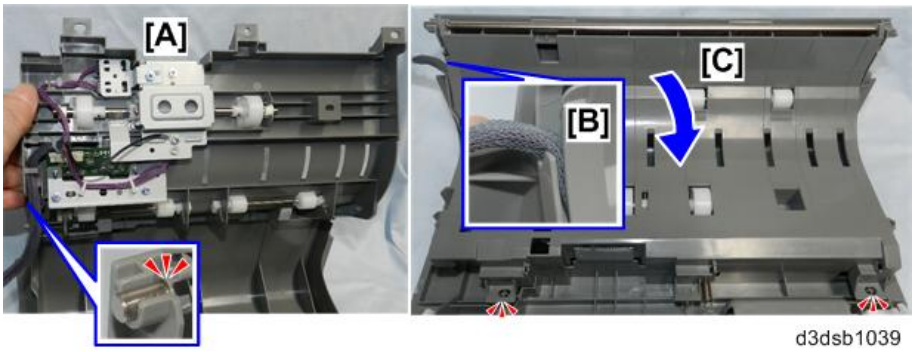
Re-assembly

1. Set the feed cover as shown.

d3dsb1038

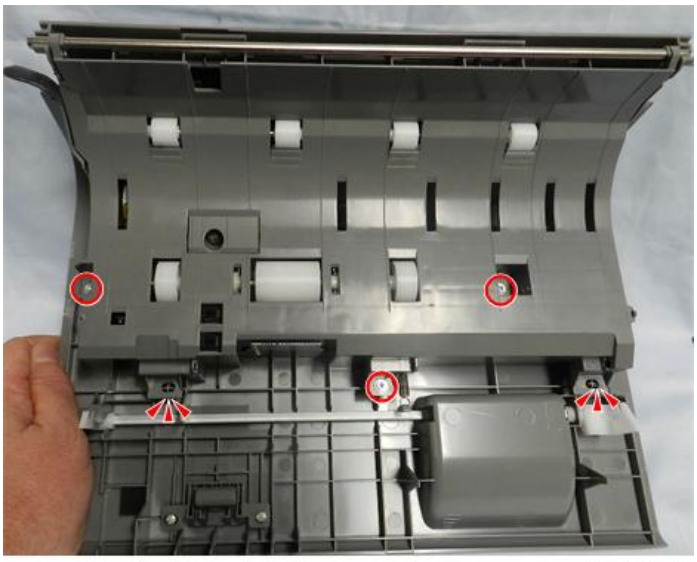
2. Set the shaft of the upper guide [A] on the edge of the feed cover.
3. Make sure that the shielded harnesses [B] are not pinched between the cover and guide, and then lower the

guide [C] onto the feed cover.



d3dsb1039

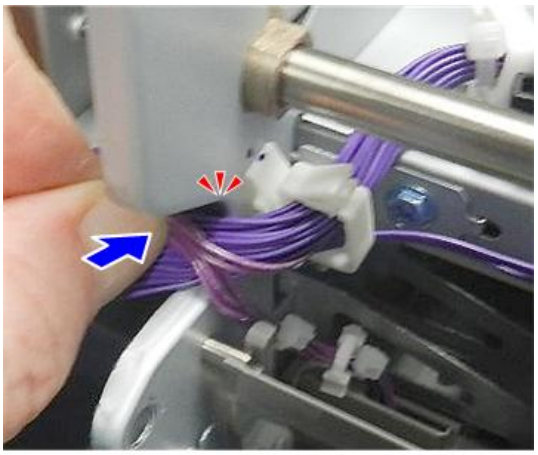
4. Snap the edge of the guide onto the posts, and then fasten the guide with the screws.



x3

d3dsb1040

5. At the left rear corner of the ADF, push the harnesses into the cutout.



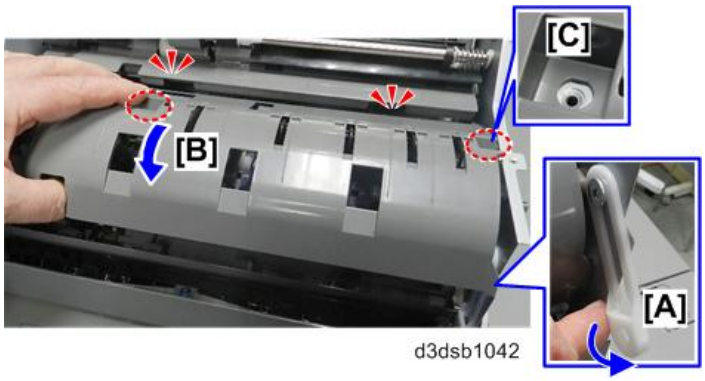
d3dsb1041

6. At the front, pull the hinge arm [A] out slightly.
7. Set the lower guide [B].
8. Make sure that three holes [C] across the top are aligned with the frame below.

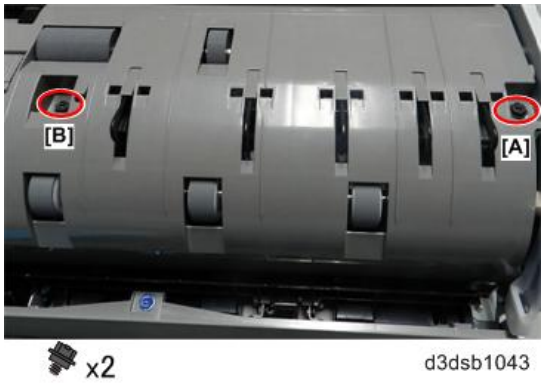
Important

- If the holes are not perfectly aligned, or if the guide is floating above the holes, make sure the

harnesses are completely tucked into the cutout at the rear left corner of the ADF. (See the previous step.)



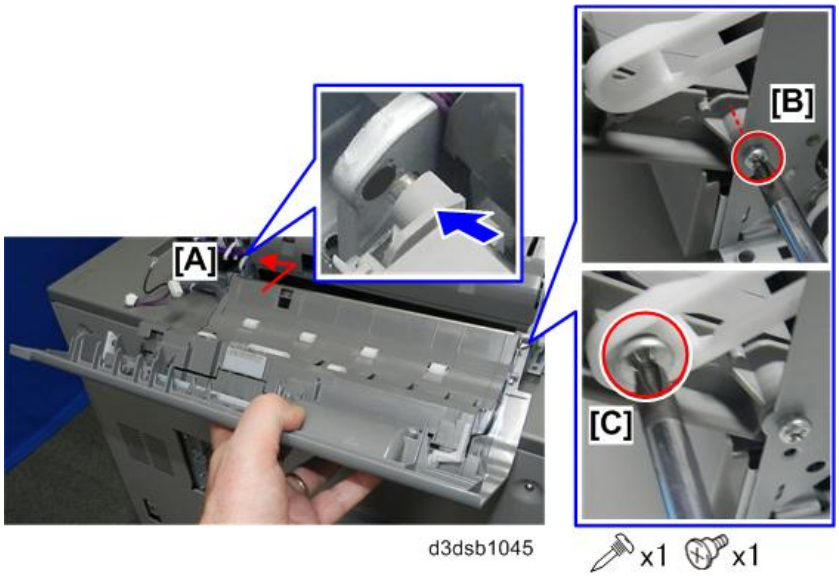
9. Use the black step screws to fasten the guide at the front [A] and center [B].



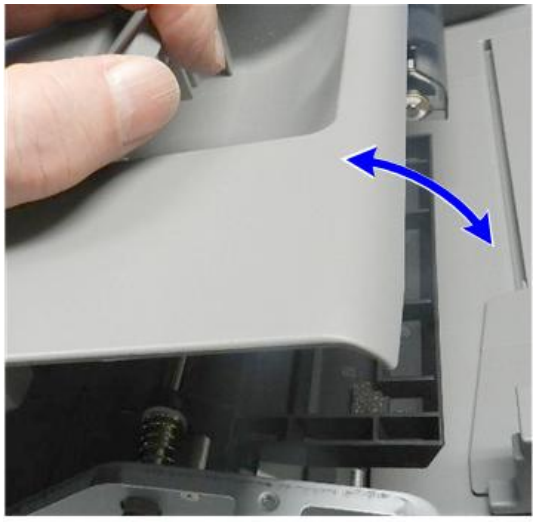
10. Use the longer screw to fasten the back end of the guide.

11. Insert the feed cover [A] at the rear.

12. At the front, set pivot screw [B], and then fasten hinge arm [C].



13. Open and close the feed cover to make sure that it is operating smoothly.

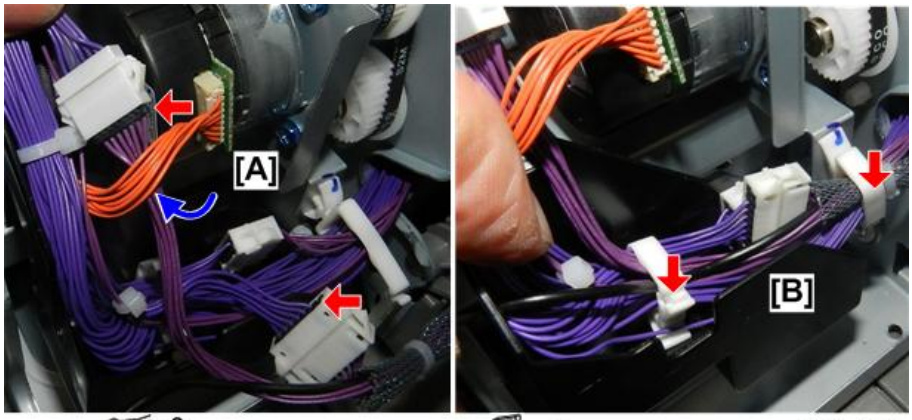


14. At the left rear corner of the ADF, make sure that the shielded harnesses are not pinched between feed cover

and upper guide.

d3dsb1047

15. Connect the shielded harnesses [A] and then close the clamps [B].



x2 x2 d3dsb1048

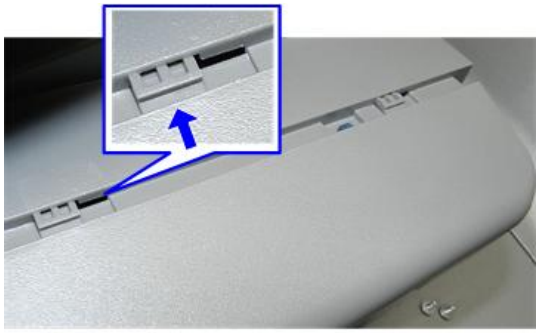
16. Fasten the ground wire.

x1 d3dsb1049

17. At the front, lower the ADF.

d3dsb1050

18. Set the tabs to attach the front cover.

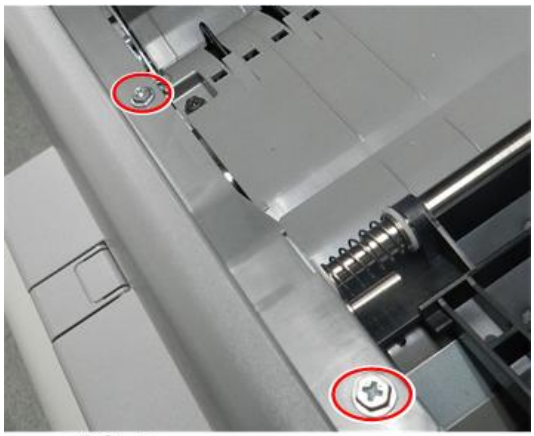


d3dsb1051

19. Push the attached front cover to the right to lock the tabs.

d3dsb1052

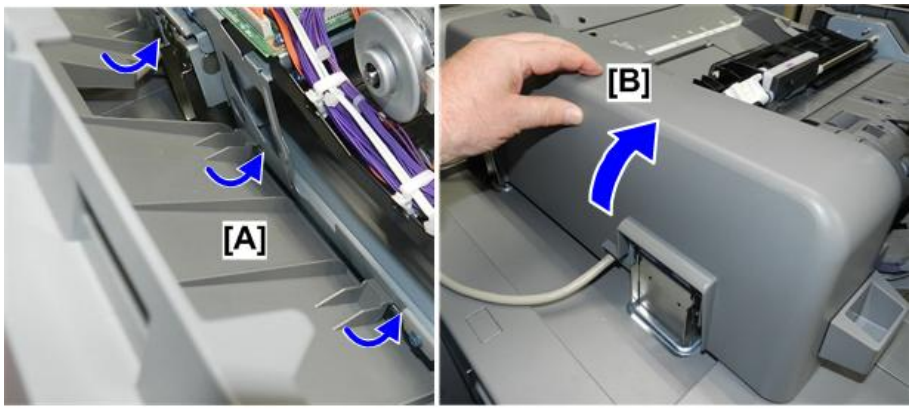
20. Fasten the top edge front cover.



x2 d3dsb1053

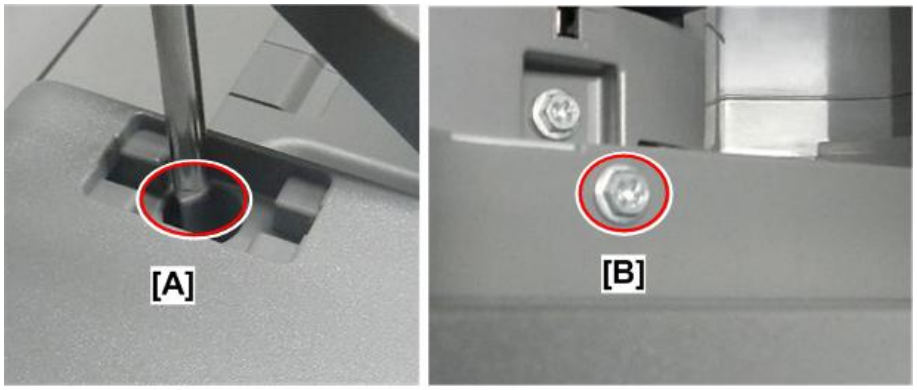
21. At the rear, set the bottom tabs [A] of the rear cover.

22. Rotate the rear cover up [B].



d3dsb1054

23. Fasten the top edge of the rear cover at [A] and [B].



x1 x1 d3dsb1055

24. Attach the cover screw cover plate [A], and then lower the feed cover [B].

d3dsb1056

Final Adjustments

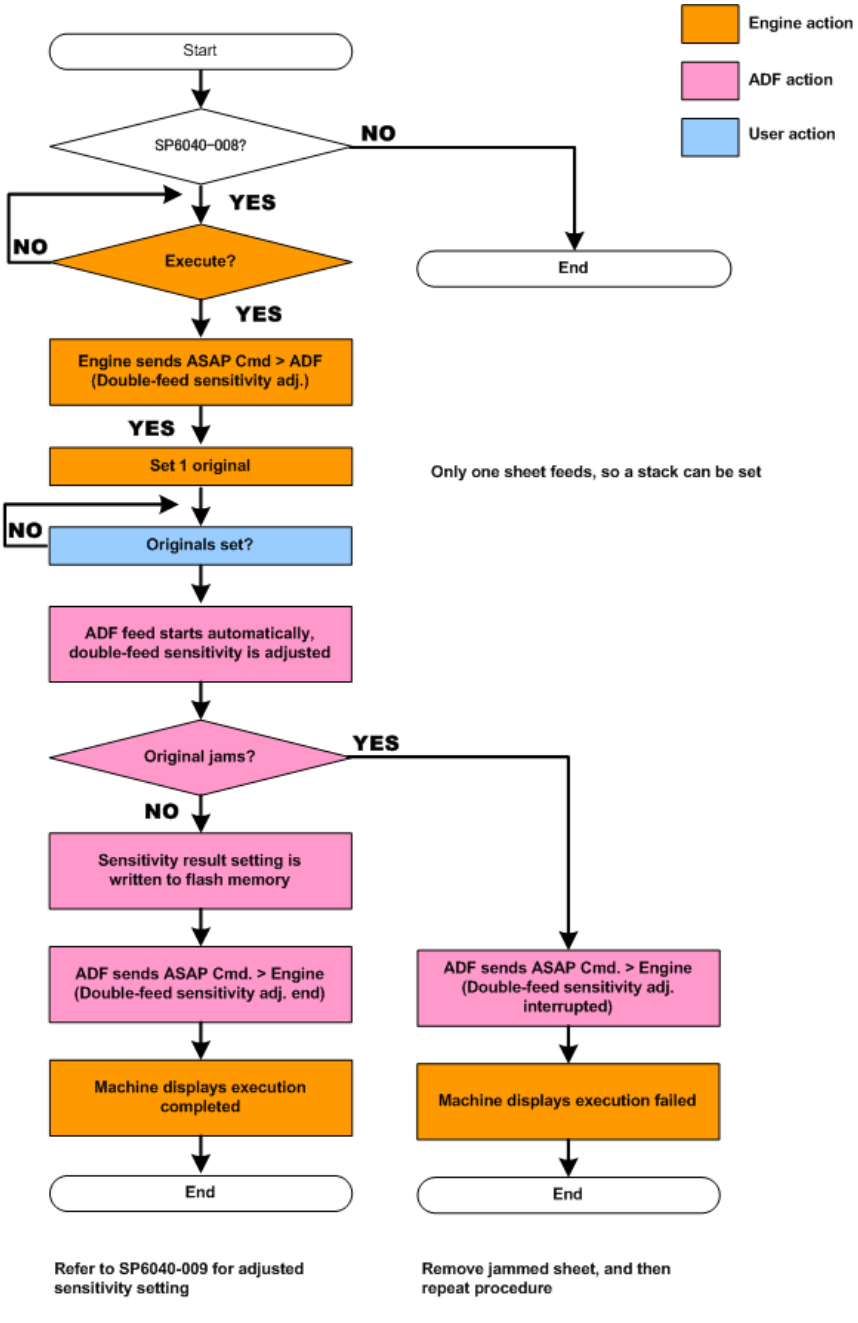
Before you can use double-feed detection you must first enable double-feed detection, and then set the detection sensitivity.

1. Make sure that the machine is fully reassembled.
2. Connect the machine to the power source and turn it on.
3. Go into the SP mode.
4. Open **SP6040-001**, and then set it to "1" (On). This enables double-feed detection.
5. Next, open **SP6040-008** to adjust double-feed sensitivity.
6. Set an original in the ADF, and then press [Start]. (If you set more than one original, only one will feed.)
7. Touch "EXECUTE" to feed one sheet

- The sensitivity setting for one sheet is written into flash memory.
- The machine displays the "Completed" message. This tells you the setting was successfully stored.

  -or-
- If the machine displays the "Failed" message, repeat the procedure.

8. Touch "CLOSE".
9. Open **SP6040-009** to see the value of the registered setting.
10. Touch "EXECUTE".
11. When you see the "COMPLETE" message, touch "CLOSE".
12. You will see the sensitivity setting displayed below the "EXECUTE" button on the screen.

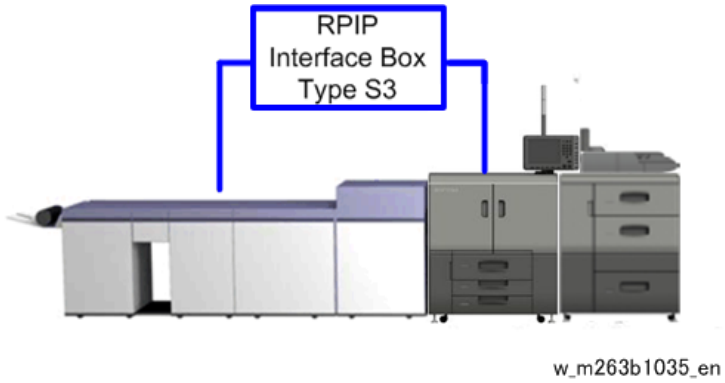


w_d3dsb1057_en

RPIP Interface Box Type S3

Overview

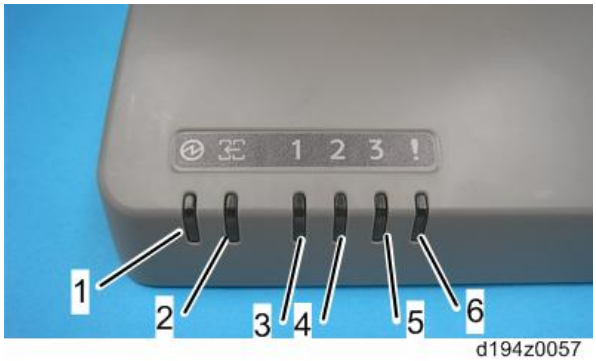
This device is an interface for connecting Ricoh products and peripherals of 3rd party vendors. The image below shows an example of a 3rd party vendor's peripheral connected to the main machine.



w_m263b1035_en

- Configuration
  The RPIP interface box type S3 consists of just the hardware and core software. It functions as an interface after a parameter settings file compatible with the 3rd party peripheral has been prepared and written to the RPIP interface box type S3.
- Writing Data
  The parameter setting tool is used to write the specific parameters of the 3rd party peripheral to the RPIP interface box type S3.
  Only data for one model can be written. Parameter settings files for multiple peripherals cannot be written to the RPIP interface box type S3. If you wish to use a peripheral from a different maker, it is necessary to reconnect the peripheral and then overwrite the parameter settings file.

LED



d194z0057

	Name	Color	Description
1	Power LED	Blue	Power is supplied from the main machine and the LED lights up in tandem with the power of the main machine
2	3rd party peripheral status LED	Blue	Lights when ready for paper feeding and blinks when feeding.
3	Spare LED1	Blue	Lights when in write mode.

	Name	Color	Description
4	Spare LED2	Blue	-
5	Spare LED3	Blue	-
6	Error LED	Red	Lights up red when an error occurs. Lit: 3rd party peripheral jam Blinking: Communication error, error with main machine or emergency stop switch pressed

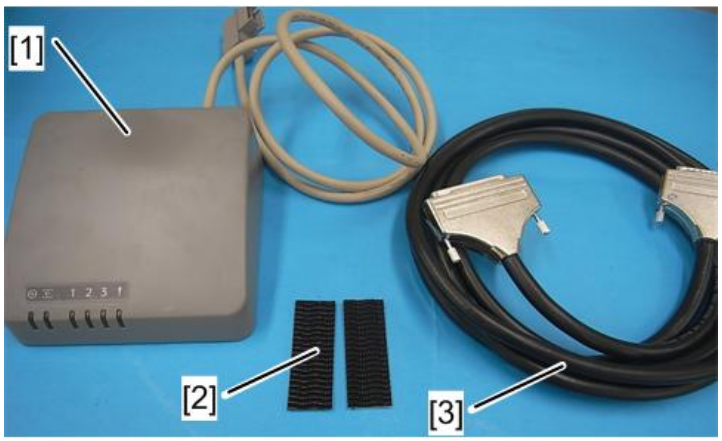
Rear Panel I/F

	Name	Description
[A]	RPIP interface box type S3 I/F cable	Connects to the main machine or the most downstream Ricoh peripheral.
[B]	Emergency stop switch	Used in emergencies to stop a job. Also used to cancel the blinking during an emergency stop.
[C]	Serial ports	Upper: Connects to a PC. Normally the upper port is used. Lower: Normally not used. Configured for potential custom applications.
[D]	Parallel port	Connects to the 3rd party peripheral.

Accessories

Check the items in the box to make sure that you have all the accessories shown below.

No.	Description	Q'ty
1	RPIP Interface Box Type S3	1
2	Velcro	2
3	Parallel cable (1.5 m)	2



d194z0058

Installation

Connect the interface box to the main machine (or the most downstream Ricoh peripheral) and the 3rd party peripheral.

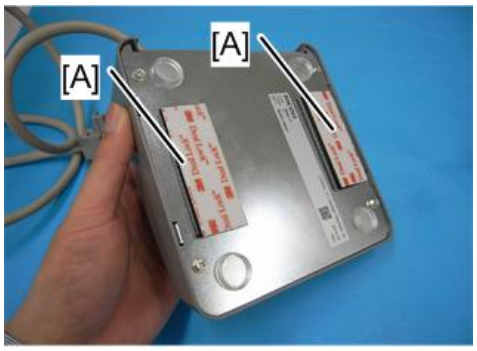
⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedures.
- Also make sure that the power of the 3rd party peripheral is turned OFF and that its power cord is disconnected.
- Rating voltage of output connector for accessory: Max.DC24V.

Note

- RPIP interface box type S3 is only compatible with post-processing related peripherals. At this time, it cannot be used with paper feed related peripherals.

1. Select a location for installation where the device can be fastened securely and the status LEDs can be easily viewed.
2. Attach the velcros to the bonding surface [A] on the back of the RPIP interface box type S3 (2 pieces).



d194z1002

3. Peel off the films from the Velcro strips.
4. Press the RPIP interface box type S3 [A] to the surface at the installation location so it sticks securely in

place.

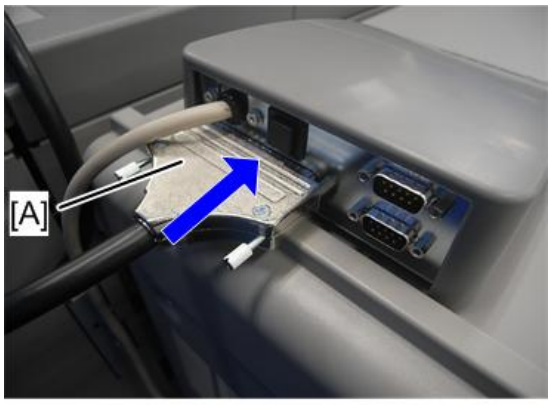
m263b1029

Before performing the subsequent steps, turn OFF the AC power switch and leave it for 5 minutes so the residual charge can dissipate.

5. Connect the I/F cable [A] to the main machine or the most downstream Ricoh peripheral.

d194z1003b

6. Connect the parallel cable [A] to the RPIP interface box type S3 (x2).



d194z1004

7. Connect a 3rd party peripheral to the main machine or the most downstream Ricoh peripheral.

8. Connect the parallel cable to the connector on the 3rd party peripheral.

d194z1003c

Setting

The following software/middleware are required:

- Notebook PC
- RS-232C cable (for example: SANWA SUPPLY / KR-LK2)
- NET Framework 4.0X

Note

- To avoid illegible text or installation errors with a USB-RS-232C adapter, always use an adapter from a reputable manufacturer. We recommend the ELECOM / UC-SGT1. The same applies to the RS-232C cable (for example, the Sanwa Supply/KR-LK2).

Preparation

1. Use the Notebook PC to decompress the compressed folder and then copy it to the desired directory: [Parameter_Setting_Tool_ver.xx].
2. Copy the specific parameter settings file for the 3rd party vendor peripheral to the desired directory (Use the notebook PC).
3. Remove the connector cover [A] on the serial port [B] and connect the notebook PC to it.

Note

- Do not discard the connector cover.

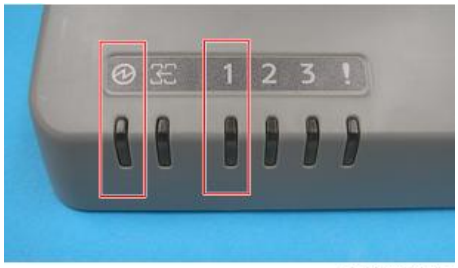
d194z1005

4. Turn the AC power switch [A] ON and then turn the main power switch [B] ON.

5. Wait until the main machine warms up.

d194z0322a

6. Press and hold the emergency stop switch for about 3 seconds to put the box in the write mode.
7. When the RPIP interface box type S3 is in the write mode, the power LED and LED1 light up blue.



d194z0057a

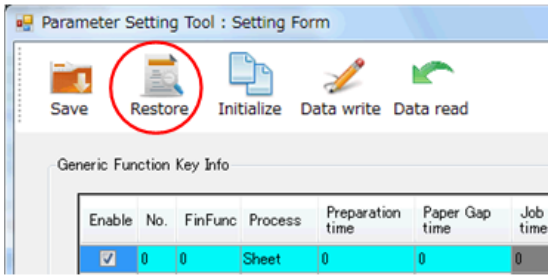
Note

- Jobs cannot be received while the box is in the write mode.

Parameter Setting Tool

The following procedures are performed on the Notebook PC.

1. Launch [ParameterSettingTool.exe].
2. Press the [Restore] button.

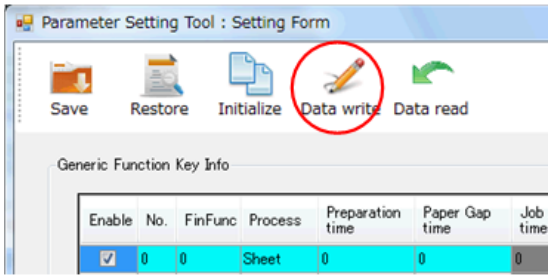


d194d9302

3. Select the parameter settings file that was prepared and select [Open].

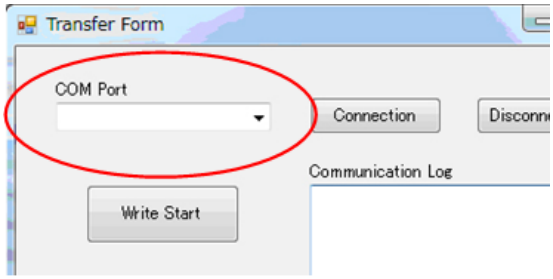
   The parameters are displayed on the screen. **Do not edit numerical values**.

4. Press the [Data Write] button and the "Transfer Form" opens.



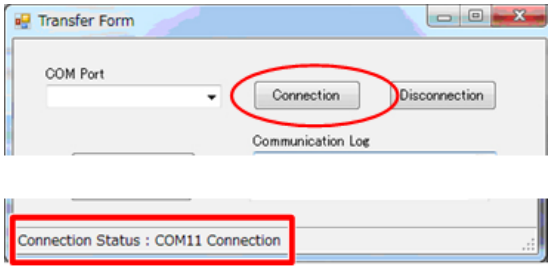
d194z0060

5. Select the port to use from the COM Port box.



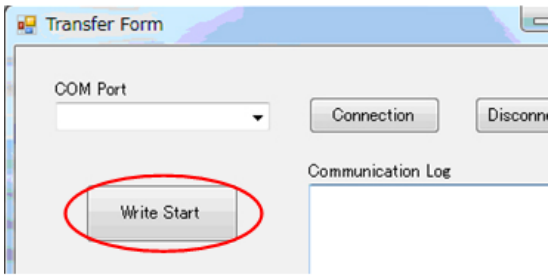
d194z0061

6. Press the [Connection] button and check that the Connection Status bar changes to "COMXX Connection."



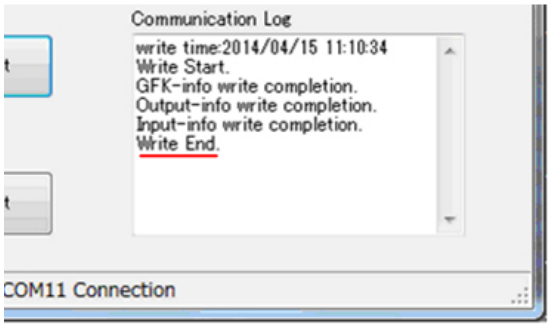
d194z0062

7. Press the [Write Start] button. The data write operation begins.



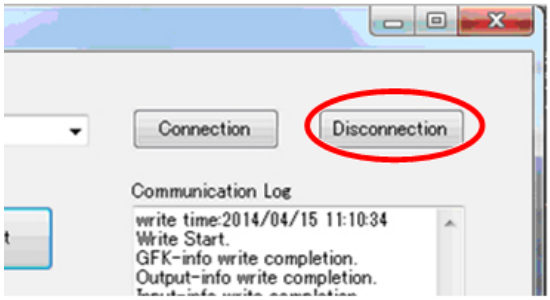
d194z0063

When "Write End" is displayed in the [Communication Log], writing is complete.



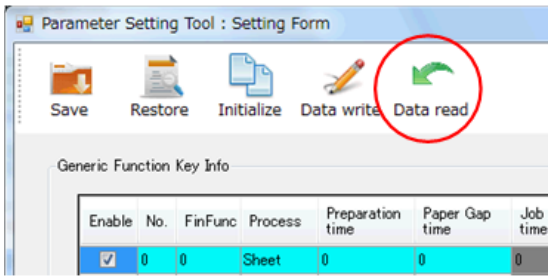
d194z0064

8. Press the [Disconnection] button and close the tool.



d194z0065

9. Press and hold the emergency stop switch for about 3 seconds to cancel the write mode.
10. Make sure the LEDs which lit up in the write mode turn off.
11. Turn the main power switch off.
12. Disconnect the RS-232C cable and attach the connector cover to the serial connector.
13. Turn the main power switch ON. The written parameter data is updated after the machine is restarted (main power switch is turned off/on).
14. "Data read" can be used to read the current parameters written to the RPIP interface box type S3.



d194z0066

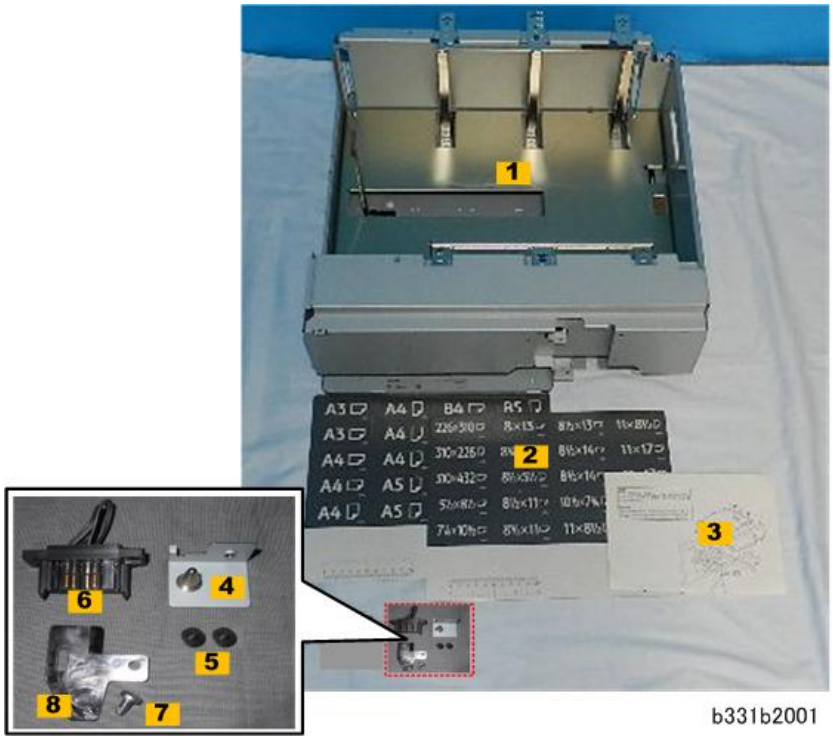
15. Restart the machine.

A3/11"x17" Tray Unit TK5010

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1	A3/DLT Tray	1
2	Paper Size Decals	2
3	Instruction Sheet	1
4	Pin Bracket	1
5	Screws (Black)	2
6	Short Connector	1
7	Screw (M4x8)	1
8	Rail Guide	1



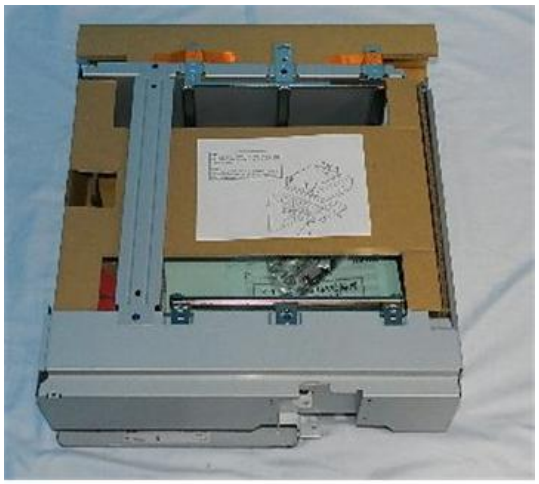
Installation

⚠CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedures.

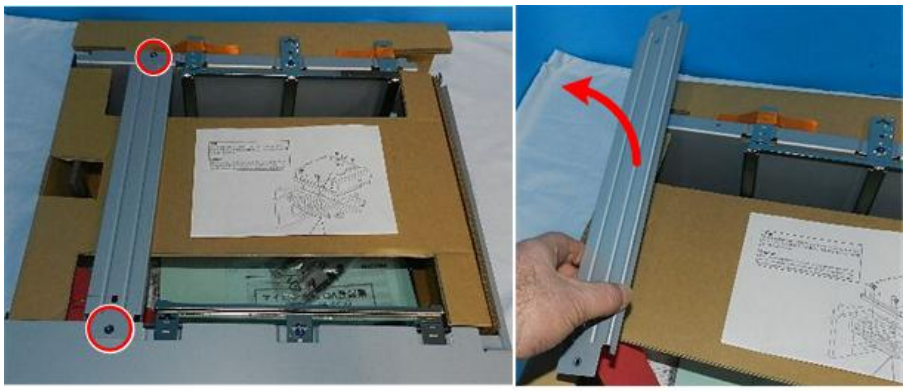
Unpacking

1. Remove the unit from its box.



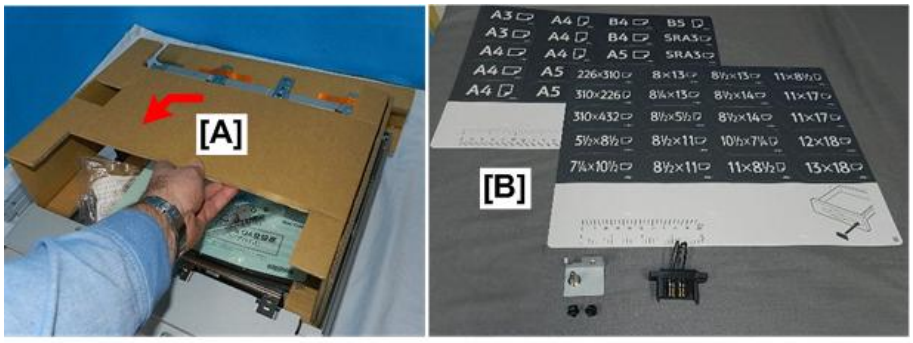
b331b2002

2. Remove the stay (x2).



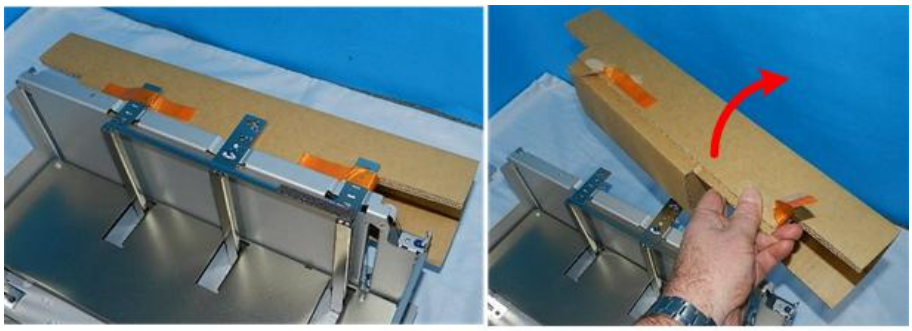
b331b2003

3. Remove the center packing [A].
4. Unpack the accessories [B].



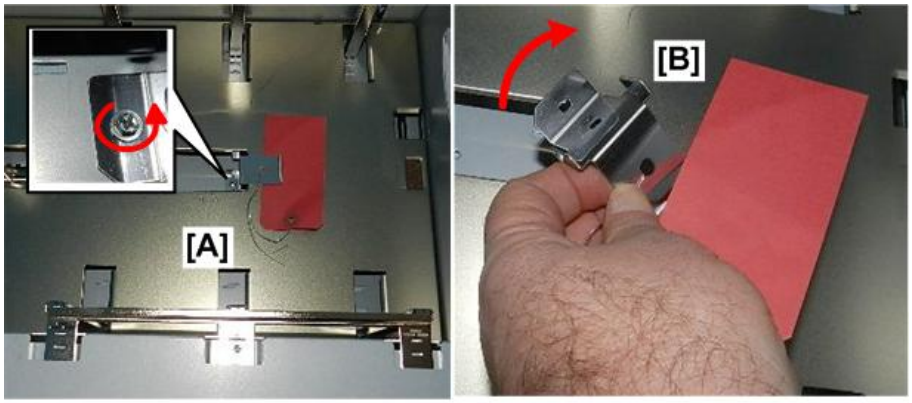
b331b2004

5. Remove the rear packing strip.



b331b2005

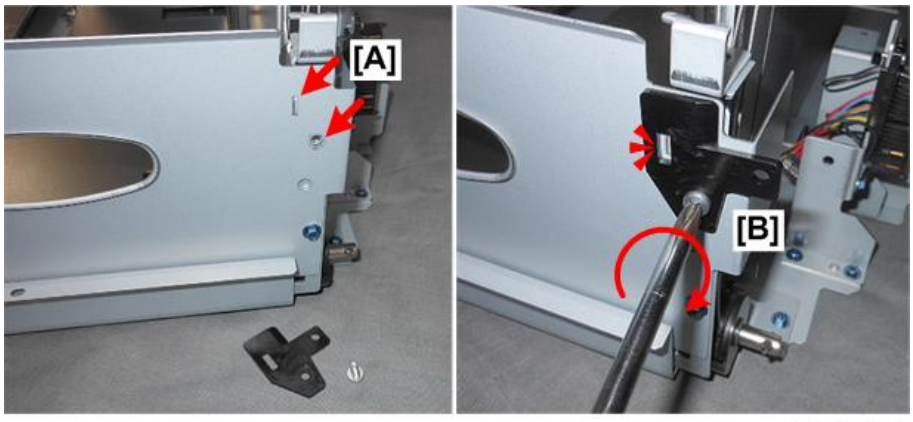
6. Unfasten the center retainer [A] (x1).
7. Remove the retainer, wire, and red tag [B].



b331b2006

Accessory Rail Guide

1. At the right rear corner of the A3/DLT Tray [A], locate the boss and screw hole at [B].
2. Attach the rail guide (x1 M4x8)

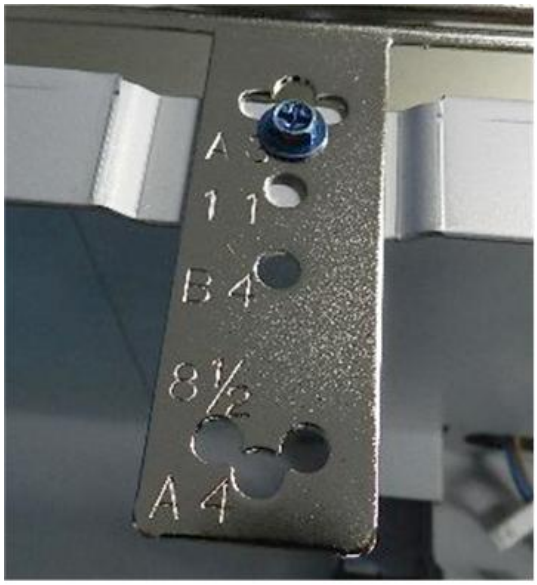


b331b2043

Check and Set the Paper Size

1. Look at the scales and check the positions of the front, back, and side fences to see what size the tray is set

for.



b331b2039

2. The tray can be set for only the following sizes.
   - A4 SEF/LEF
   - A3 SEF
   - B4 SEF
   - LT (8.5"x11") SEF/LEF
   - DLT (11"x17") SEF only

RTB 34
   - ~~LG (8.5"x14")~~

Note

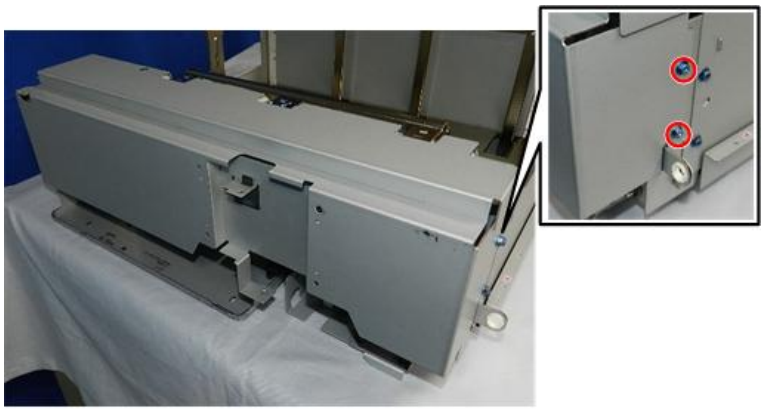
   - Custom paper sizes cannot be used in this tray.

3. If you need to adjust the positions of the side fences for the paper to be loaded in the tray, you must do this now before the tray is installed in the machine.

Note

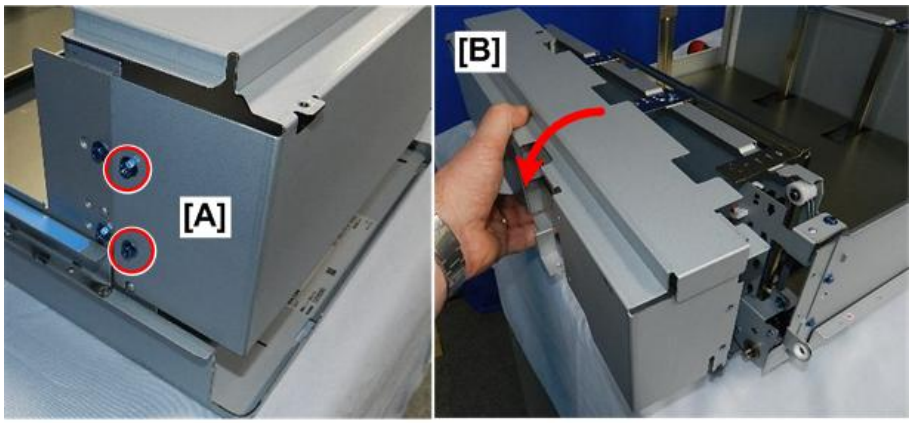
   - The side fences must set with the tray removed from the machine. If the tray has been installed for one paper size, it must be removed to reset the positions of the side fences for another paper size.

4. Remove the right screws (x2).



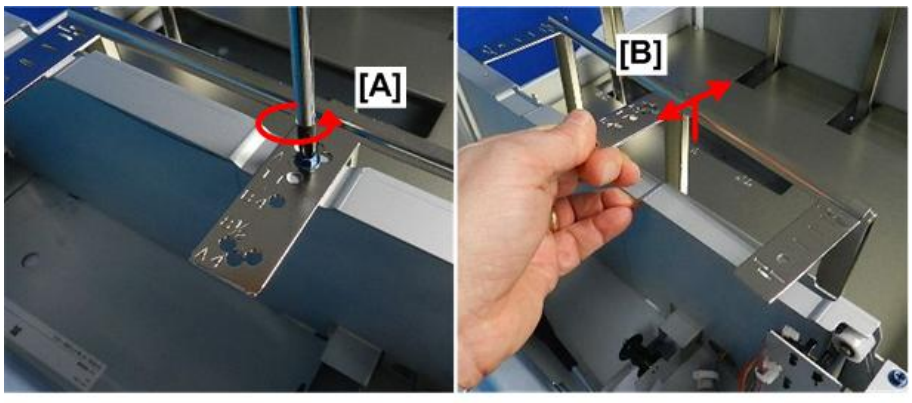
b331b2007

5. Remove the left screws [A], and then remove the front panel [B] (x2).



b331b2008

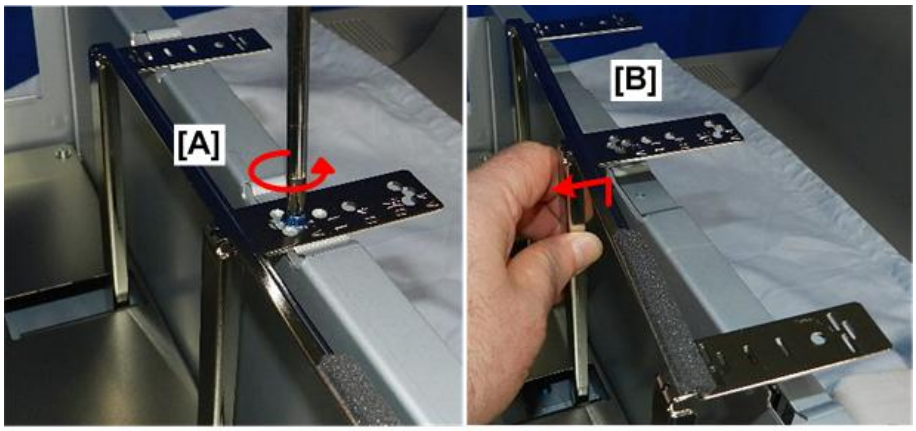
6. Loosen the screw of the **front fence** [A] (x1).
7. Set the fence [B] at the correct position, and then re-attach the screw (x1).



b331b2010

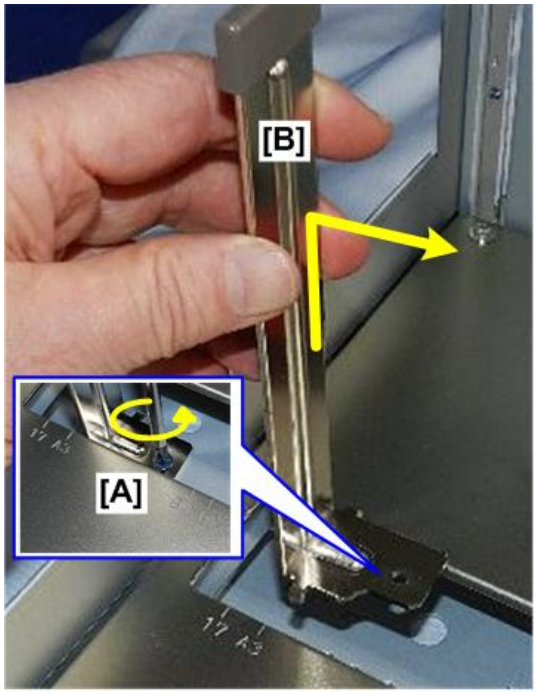
8. Loosen the screw of the **rear fence** [A] (x1).

9. Set the fence [B] at the correct position, and then re-attach the screw (x1).



b331b2011

10. Loosen the screw of the **side fence** [A] (x1).
11. Set the fence [B] at the correct position, and then re-attach the screw (x1).



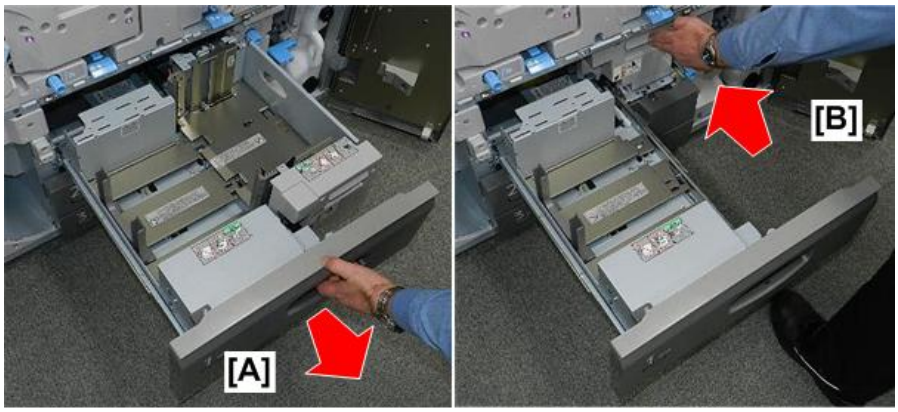
b331b2012

12. Re-attach the front panel (x4).

b331b2013

Remove the Tandem Trays

1. Open the front doors.
2. Pull the top tray [A] out until it stops.
3. Push the right tandem tray [B] back into the machine.

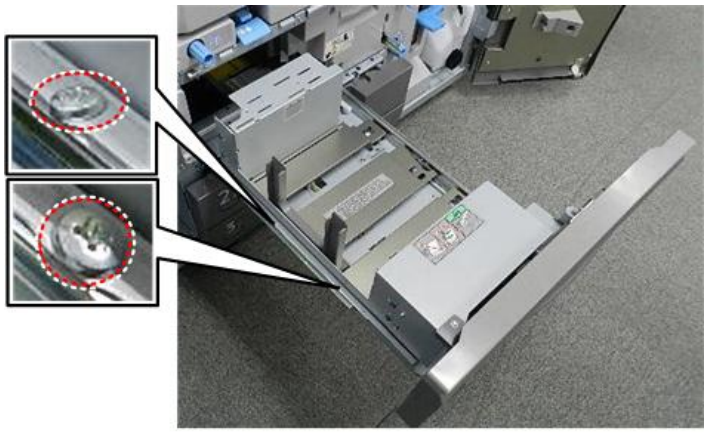


b331b2014

4. Disconnect the left side of the left tandem tray (x2).

Note

- These screws on the left are **short** screws.

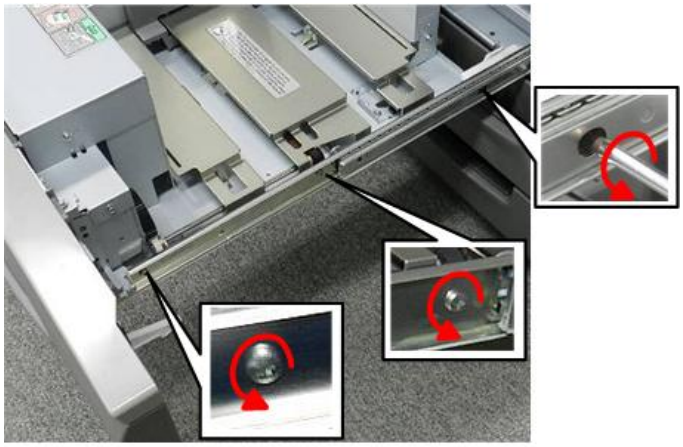


b331b2015

5. Disconnect the right side of the left tandem tray (x3).

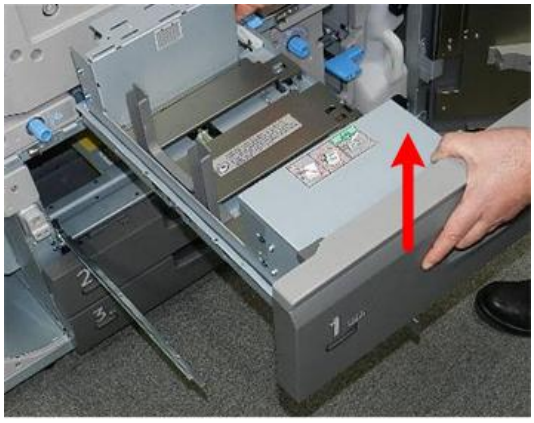
Note

- These screws on the right are **longer** screws.



b331b2016

6. Remove the left tandem tray.



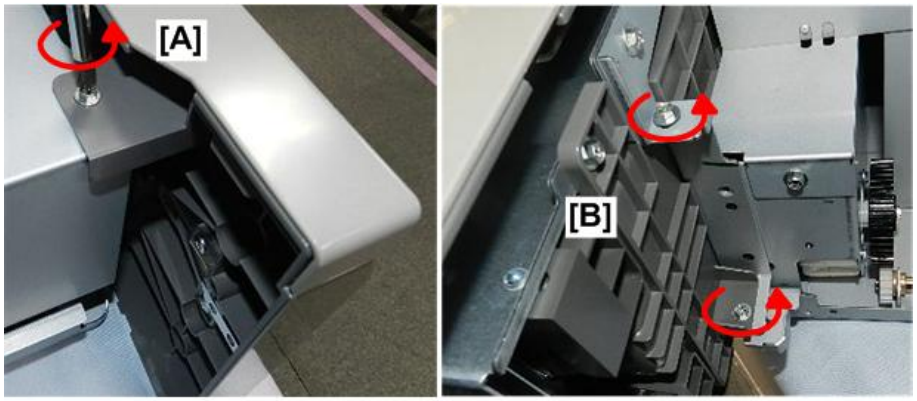
b331b2017

7. Three screws behind the front cover hold it in place.

b331b2018

8. Disconnect the screw [A] behind the upper left corner of the front cover (x1).

9. Disconnect the high and low screws that hold the right side of the cover [B] (x1).

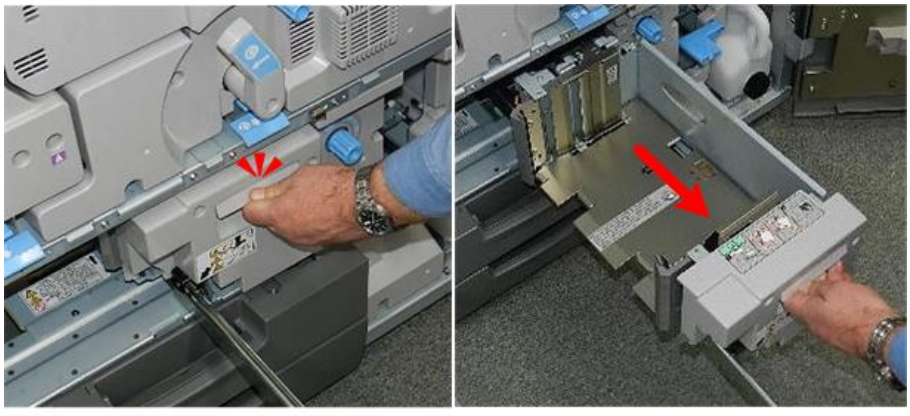


b331b2019

10. Remove the front cover.

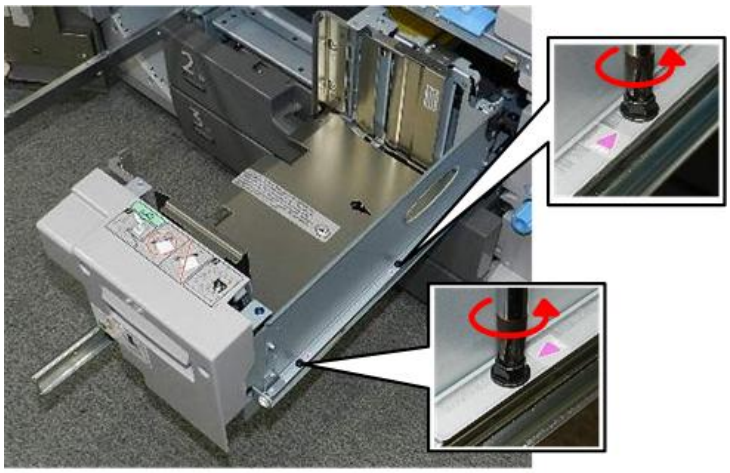
b331b2020

11. Lay the cover face down on a flat, clean surface.
12. Pull out the right tandem tray.



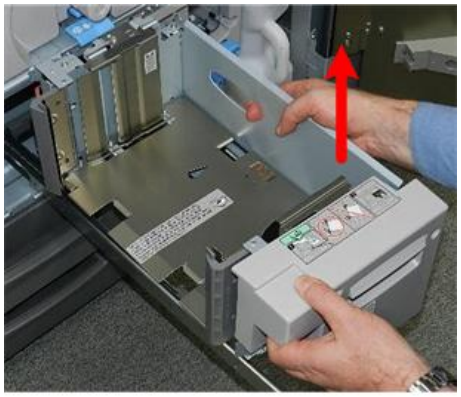
b331b2021

13. Disconnect the right side of the right tandem tray (x2). **Do not discard these screws!**



b331b2022

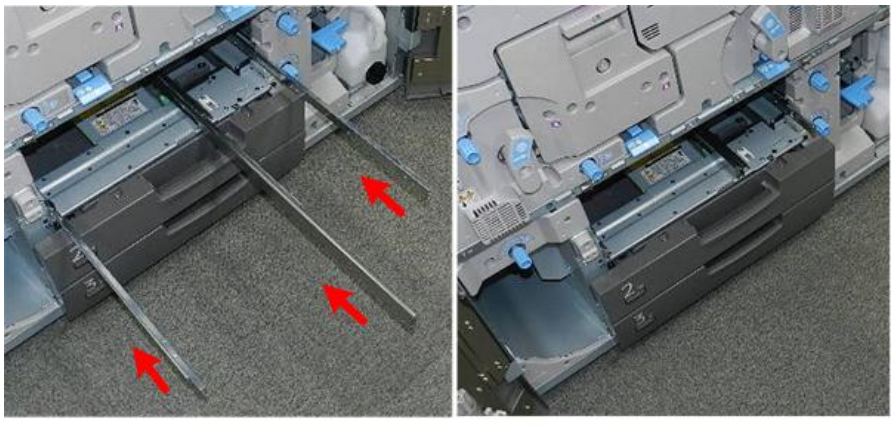
14. Remove the right tandem tray.



b331b2023

Install the Short Connector

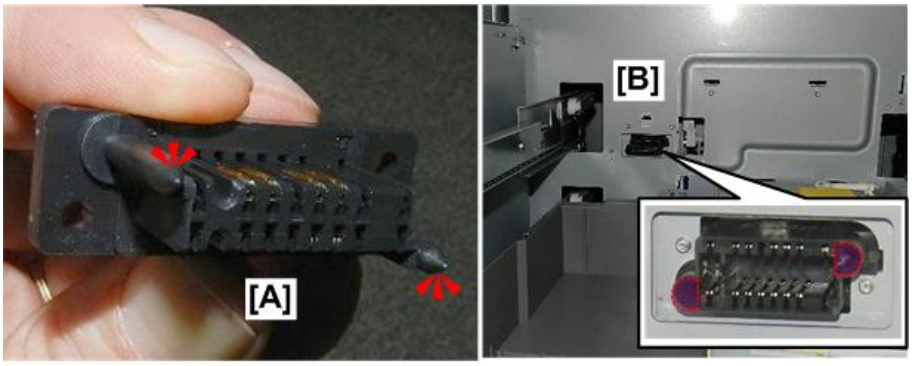
1. Push the rails into the machine.



b331b2024

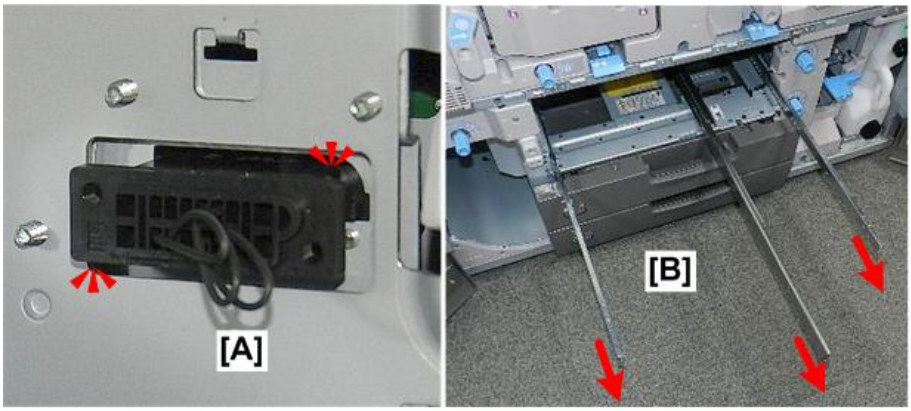
2. Hold the connector as shown.
   - The pins [A] on the back of the short connector are mounted at opposite corners.
   - The pins fit into the holes in the receptacle [B] inside the machine.

2.Installation



b331b2025

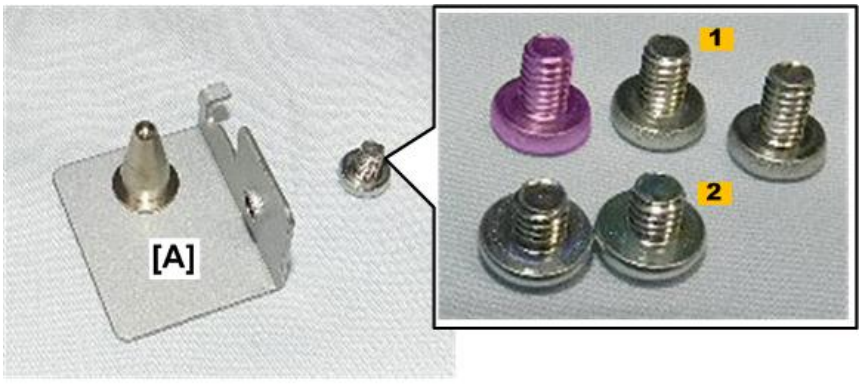
3. Insert the short connector [A] into the receptacle on the rear wall inside the machine.
4. Pull out the rails [B].



b331b2026

Install the Tray Unit

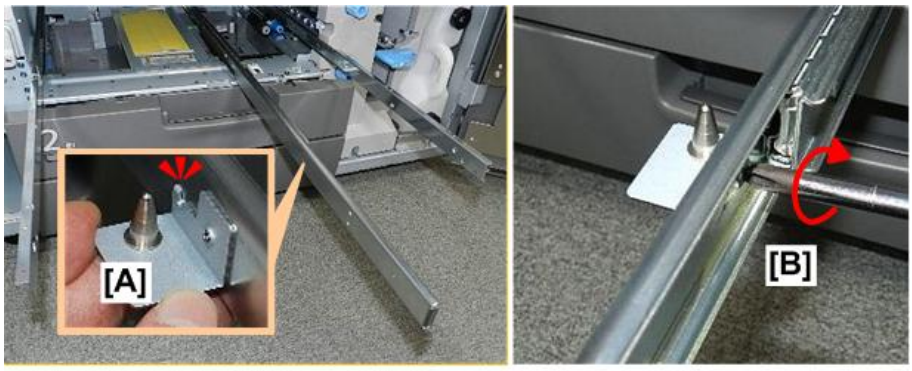
1. The long screws round-head [1] were removed from the right side of the left tandem tray, and the short round-head screws [2] were removed from the left side of the left tandem tray.
2. Select **one of the long screws** to fasten the pin bracket [A].



b331b2027

3. Set the pin bracket [A] in the center of the middle rail.

4. Fasten the bracket to the middle rail [B] (x1).

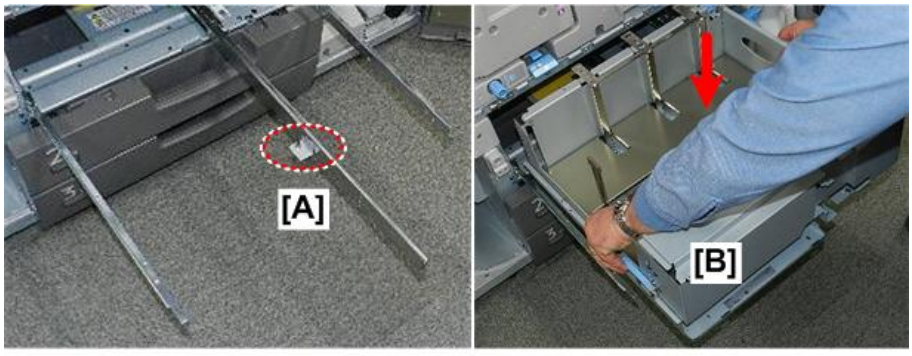


b331b2028

5. You need four TCRU screws to attach the tray unit:
   - [1] The screws you removed from the right side of the right tandem unit
   - [2] Two accessory screws provided. (These four screws are the same size.)

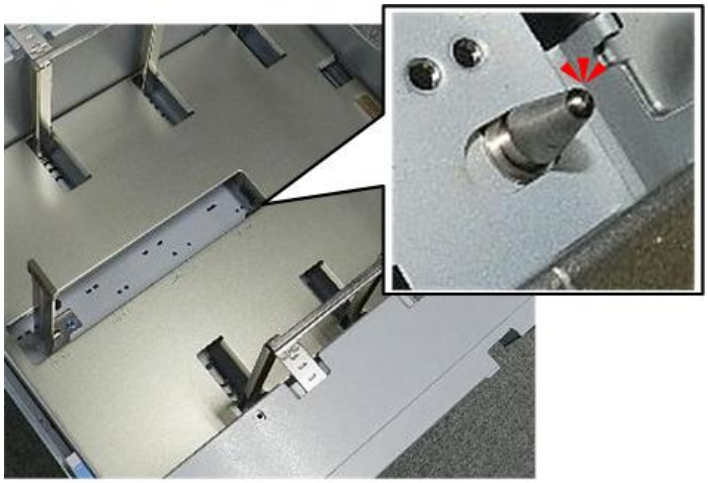
b331b2029

6. Using the installed pin bracket [A] as an aiming point for the hole in the bottom of the tray unit [B], lower the tray unit onto the rails.



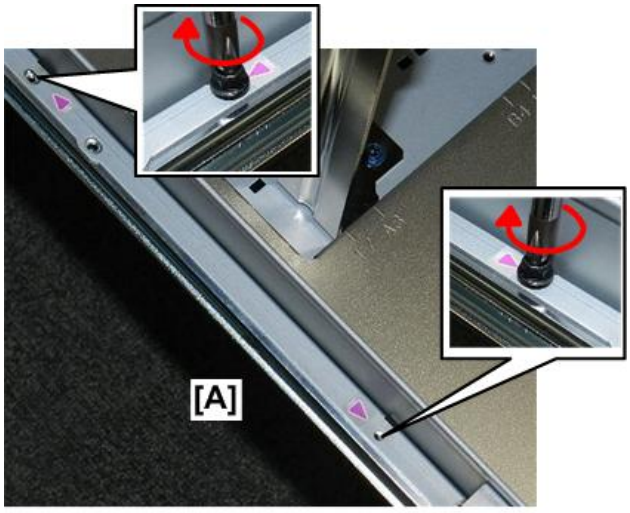
b331b2030

7. Make sure that the head of the pin is through the hole in the bottom of the tray.



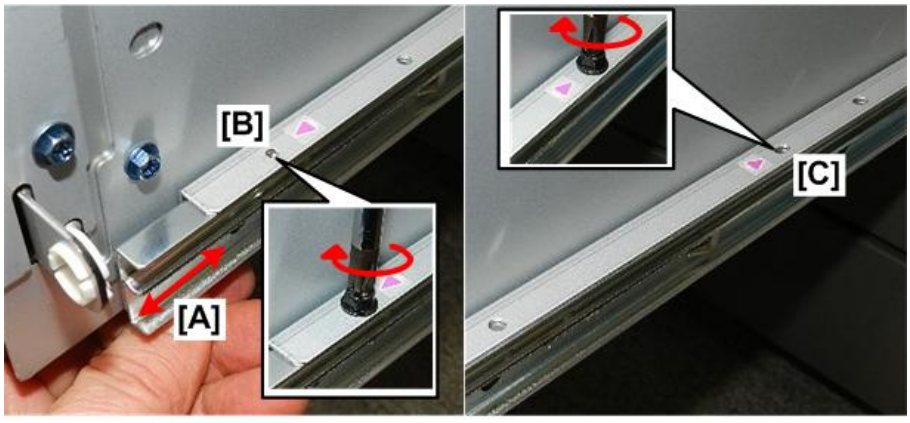
b331b2031

8. Loosely attach the left side of the tray unit to the left rail [A] (x2). **Do not tighten these screws yet.**



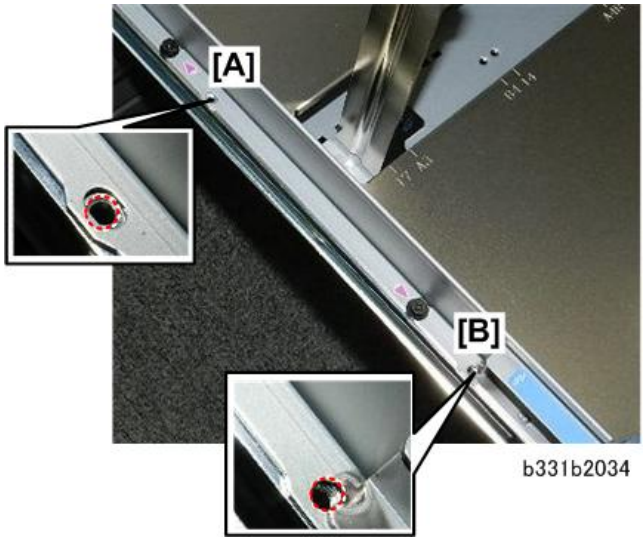
b331b2032

9. Side the rail [A] to the front or back to align the screw holes.
10. Loosely attach the right side of the tray unit at the front [B] and center [C] (x2). **Do not tighten these screws yet!**



b331b2033

11. Check the left rail.



- Make sure that you can see the holes of the rail aligned at holes [A] and [B] of the tray unit.
- There are no screws here, but the alignment of these holes at [A] and [B] tells you that the tray is positioned correctly.
- If the holes are out of alignment, loosen or remove some of the screws, and then adjust the position of the rails until the holes appear aligned.

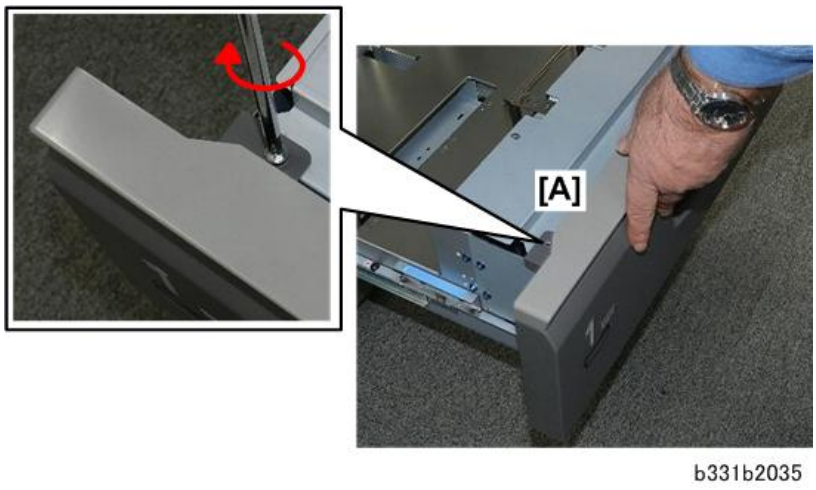
Important

- If the four screws are tightened with these holes not aligned correctly, you may not be able to open the paper tray after it has been pushed into the machine.

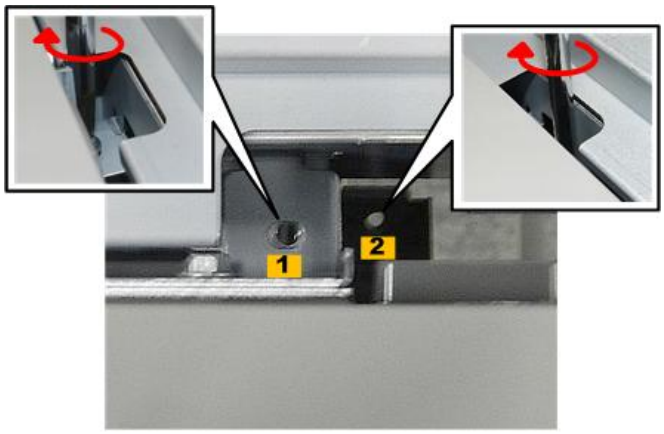
12. After confirming that the holes are aligned correctly, tighten the screws on the left and right sides of the tray unit (x4).

Attach the Front Cover, Attach the Decal

1. Fasten the upper left corner of the front cover [A] (x1).



2. On the right, behind the cover, fasten the high screw [1] and the low screw [2] (x2).



b331b2036

3. Push the drawer into the machine.

b331b2037

4. Use **SP5-019-002** to select the size of the paper to be loaded in the Tray.

Important

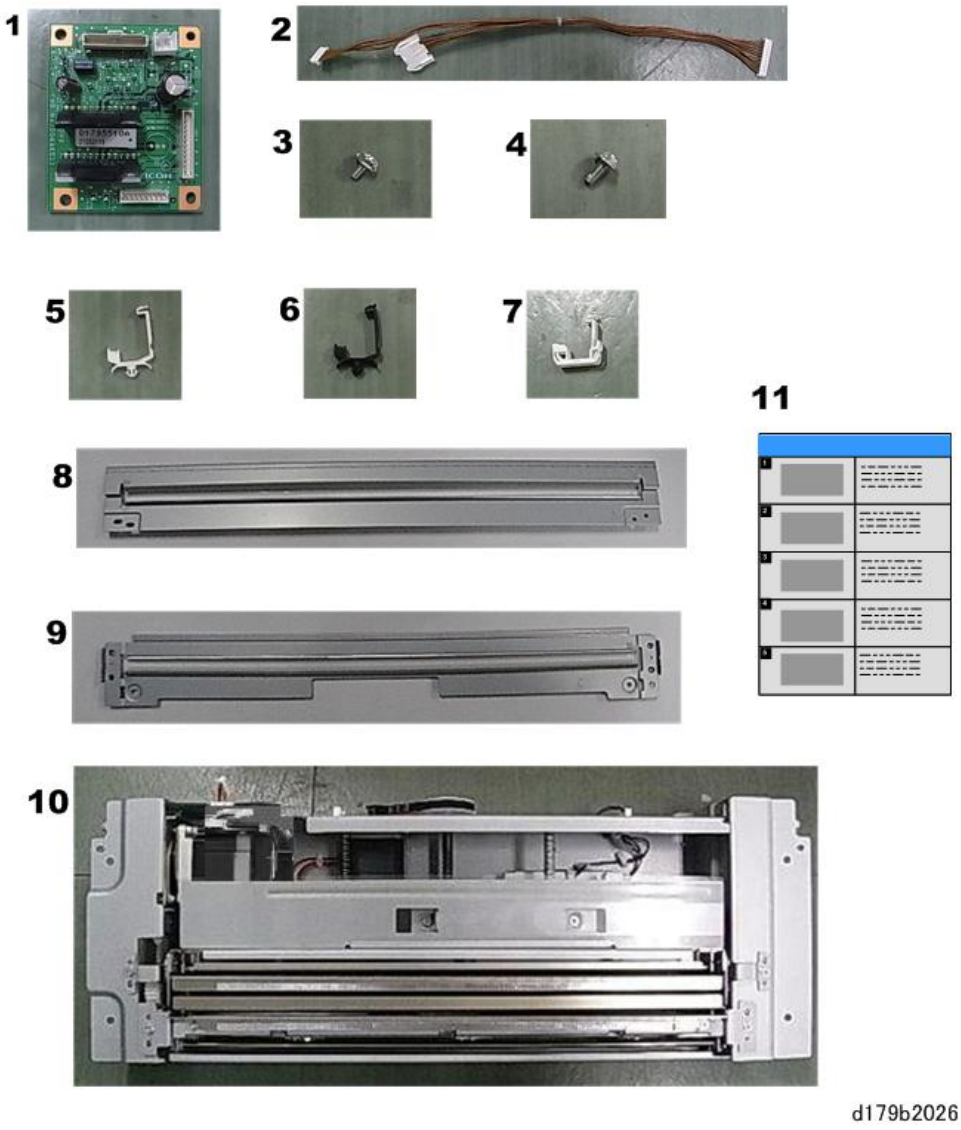
- The size you select must match the size of that you selected by positioning the side fences earlier.
- A4 SEF/LEF
- A3 SEF
- B4 SEF
- LT (8.5"x11") SEF/LEF
- DLT (11"x17") SEF only
- LG (8.5"x14")

5. After selecting the paper size, switch the machine off and on to change the indicator on the operation panel.

Decurl Unit DU5050

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.



No.	Description	Q'ty
1	DDRB (Main Board)	1
2	Motor Harness	1
3	Screw M3x6 (with washer)	4
4	Hex Screw (M4x8)	8
5	Harness Clamp (White): LWSM-0511	2
6	Harness Clamp (Black): LWSM-0511-2M	4
7	Edge Saddle: WES-0507	1
8	Connector Guide Plate A	1
9	Connector Guide Plate C	1

No.	Description	Q'ty
10	Decurl Unit	1
11	Jam Removal Instructions Decal	1

Installation

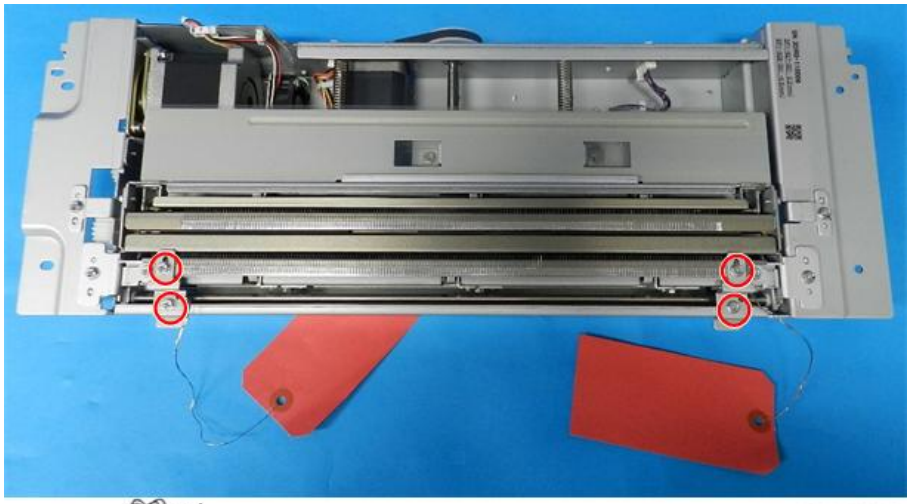
⚠CAUTION

- Make sure that the main machine is switched off and unplugged from its power source before installing the Decurl Unit.

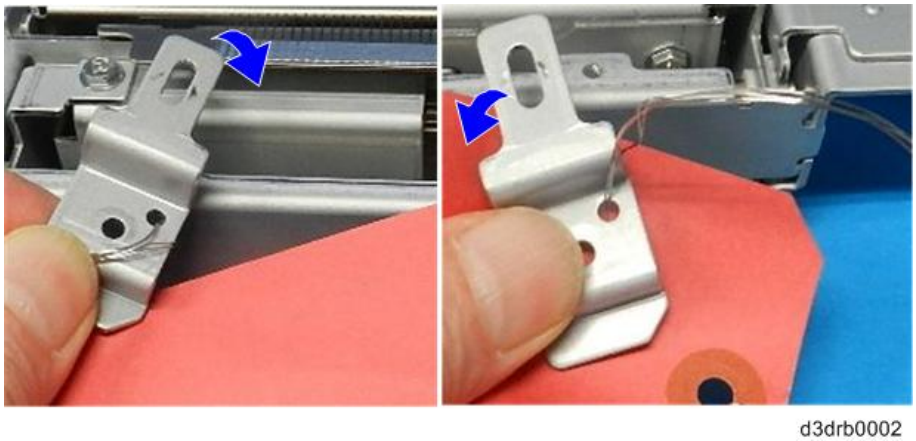
1. If a peripheral unit is connected to the left side of the main machine, disconnect it.
2. Remove the joint bracket from the side of the machine.

Mounting the Decurl Unit

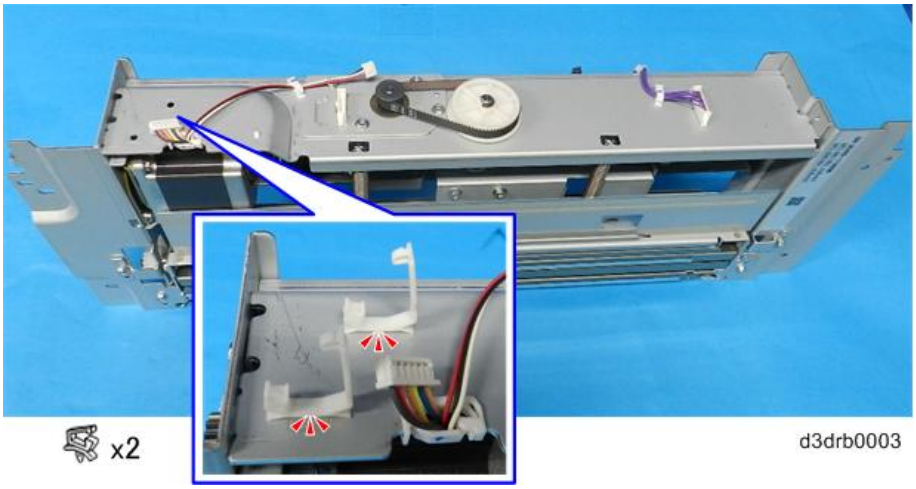
1. Remove the unit from the box and separate the accessories.
2. Disconnect the tagged shipping clamps (x4).



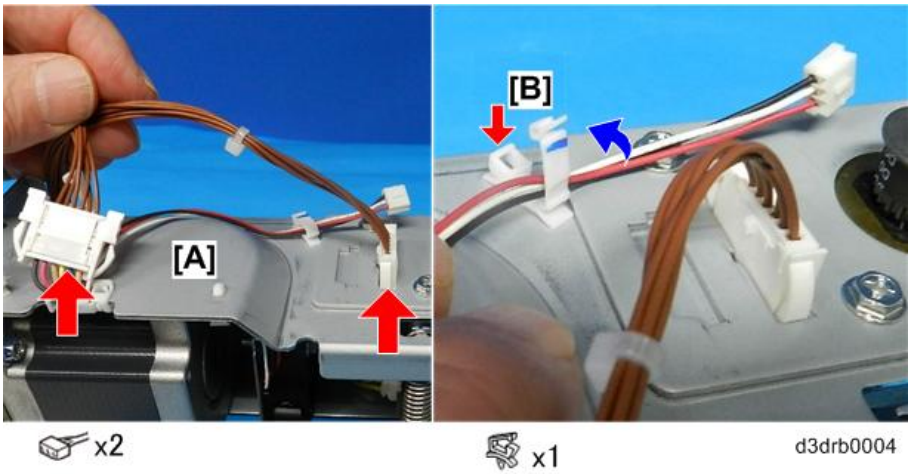
3. Remove brackets, tags, wires, screws and then discard them.



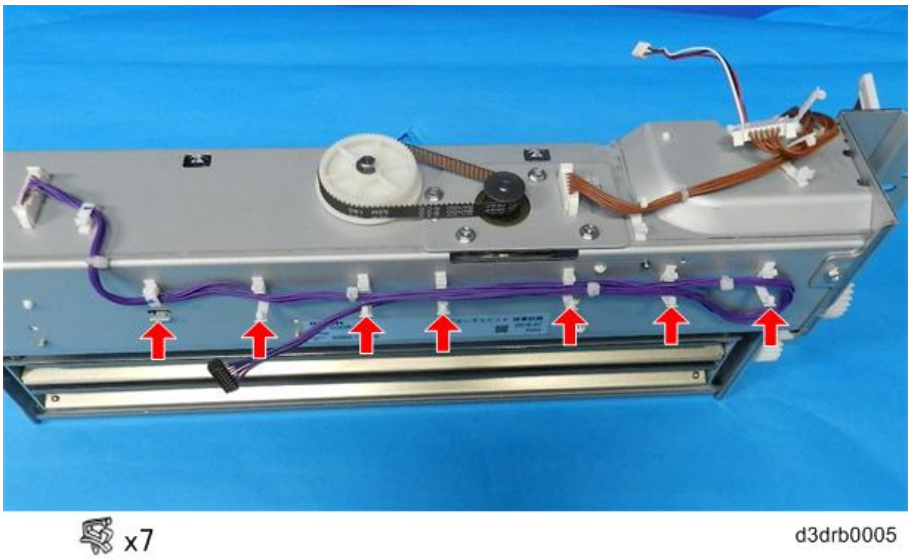
4. Attach the clamps (x2).



5. Connect the accessory harnesses [A] (x2).
6. Open the clamp [B] and pull out the harness (x1).

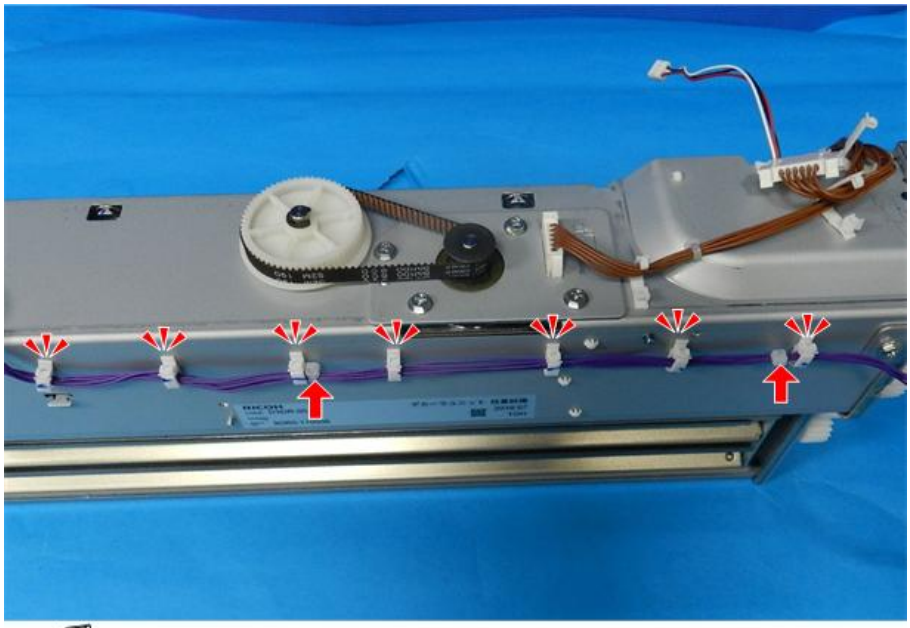


7. On the back of the decurl unit, free the folded harness (x7).



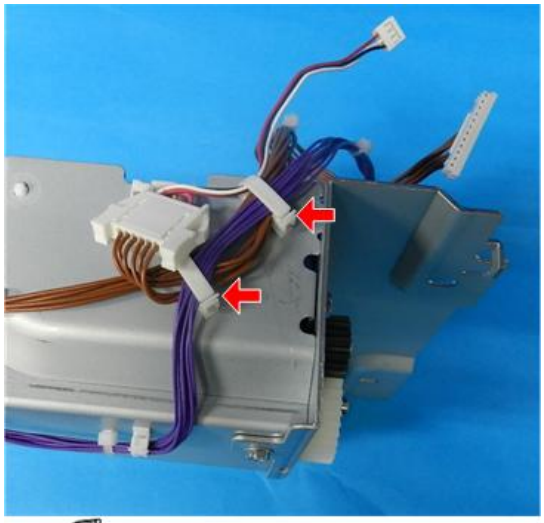
8. Close the clamps again around the single harness (x7).

9. Make sure that the permanent bands are positioned as shown at the arrows.



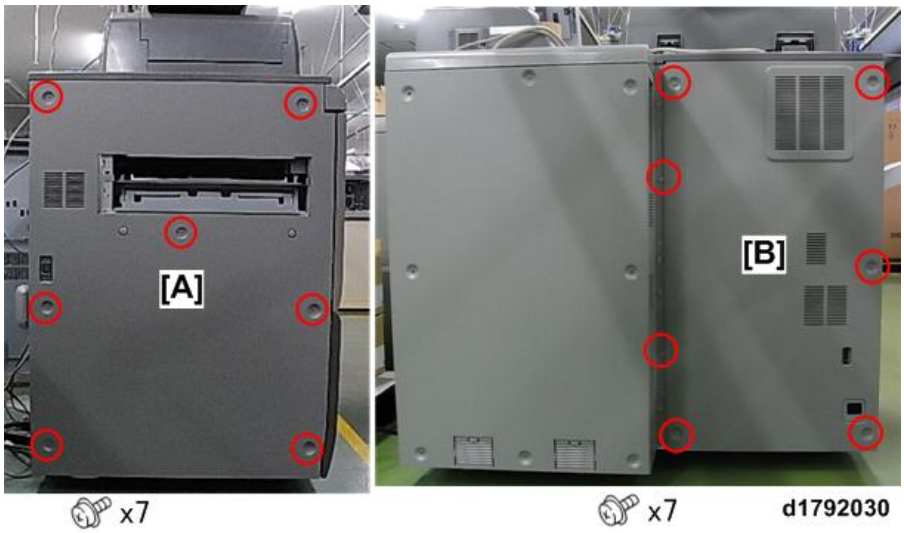
x7 d3drb0006

10. Gather the loose harnesses and clamp them at the rear (x2).

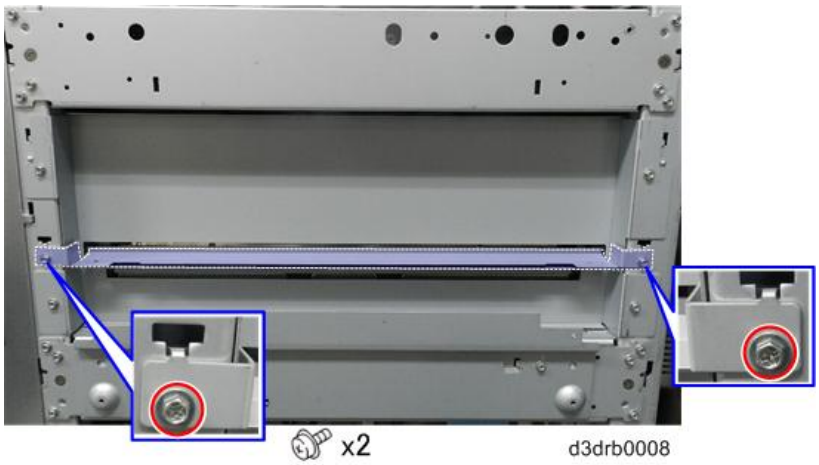


x2 d3drb0007

11. Remove the left cover [A] and the rear cover [B] (x7 each).



12. On the left side of the main machine, disconnect the exit guide (x2).



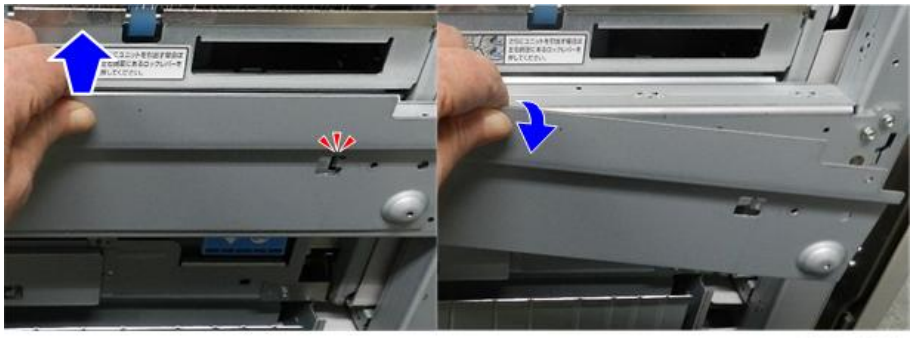
13. Remove the exit guide.

14. Disconnect the safety plate (x4).

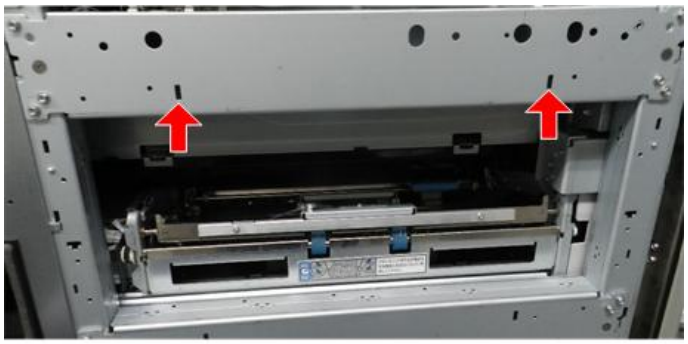
15. Unhook and remove the safety plate.

16. Disconnect the bracket. **Do not discard the screws!** This bracket will be re-attached (x2).

17. Push the bracket up to unhook it, and then remove it.

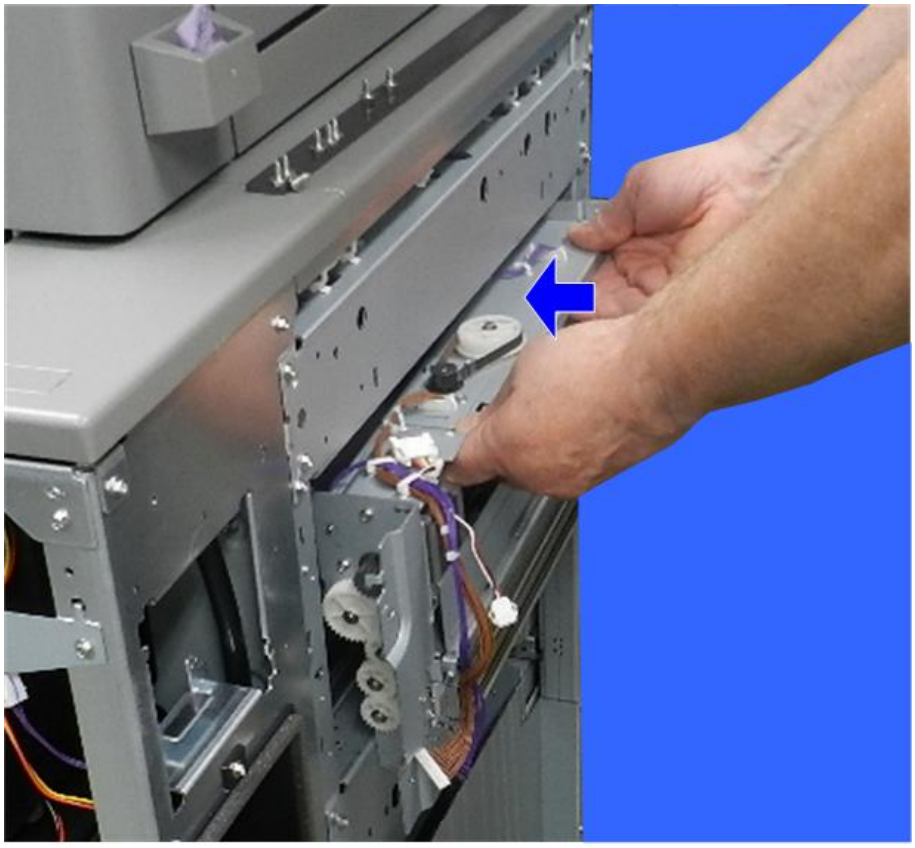


18. Locate the holes where you are going to hang the decurl unit.



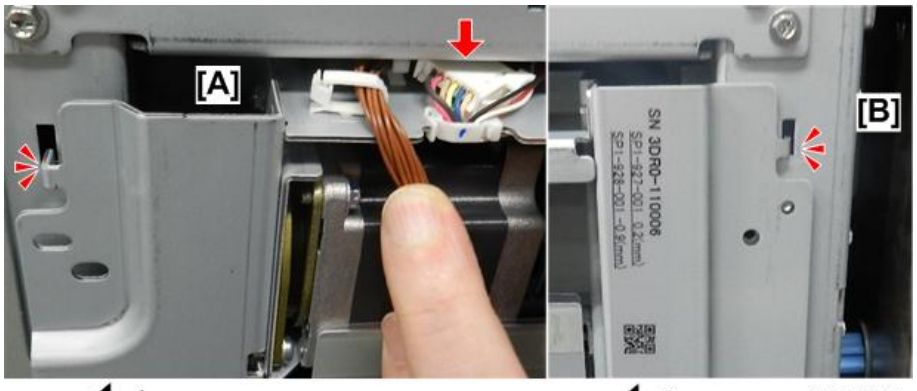
d3drb0014

19. Bring the decurl unit to the left side of the machine.



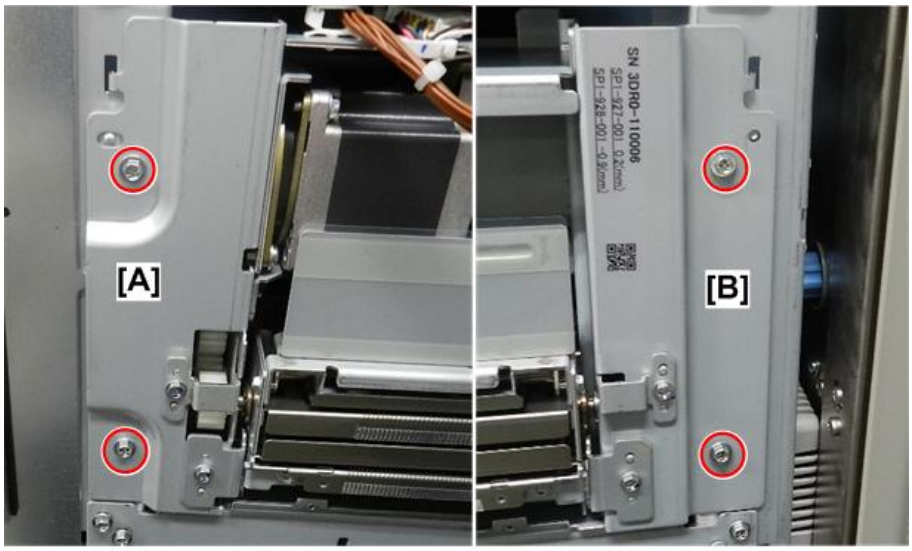
d3drb0029

20. Hang the unit on the left side of the machine by the rear hook [A] and the front hook [B].

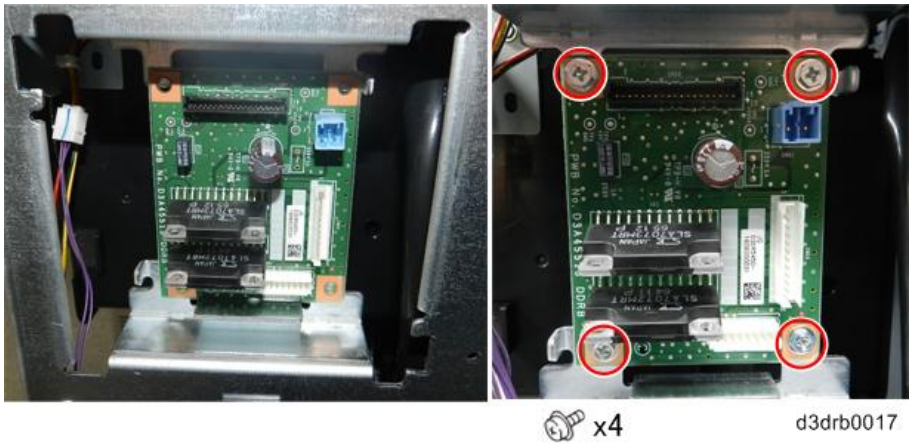


x1 x1 d3drb0015

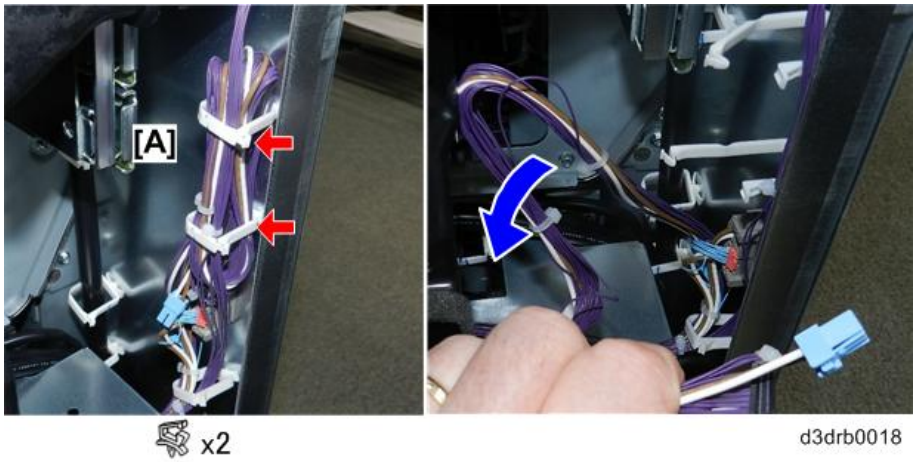
21. Fasten the rear end [A] and the front end [B] of the decurl unit (x4 M4x8).



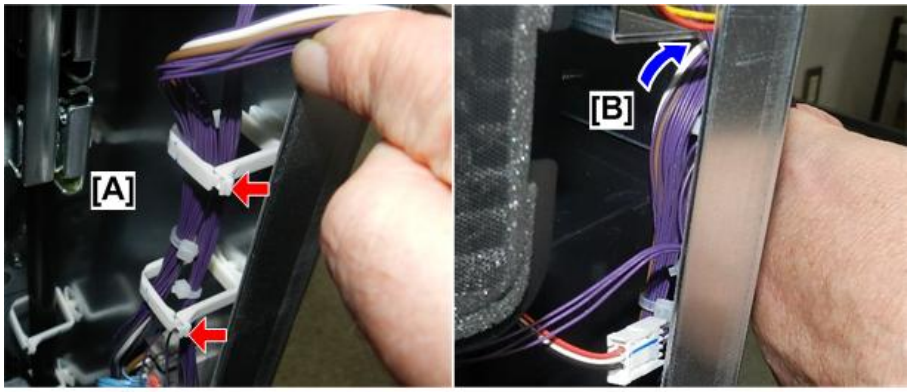
22. Set the DDRB as shown, and then fasten it (x4 M3x6).



23. At the rear left corner of the machine [A] open the clamps and free the three folded harnesses (x3).

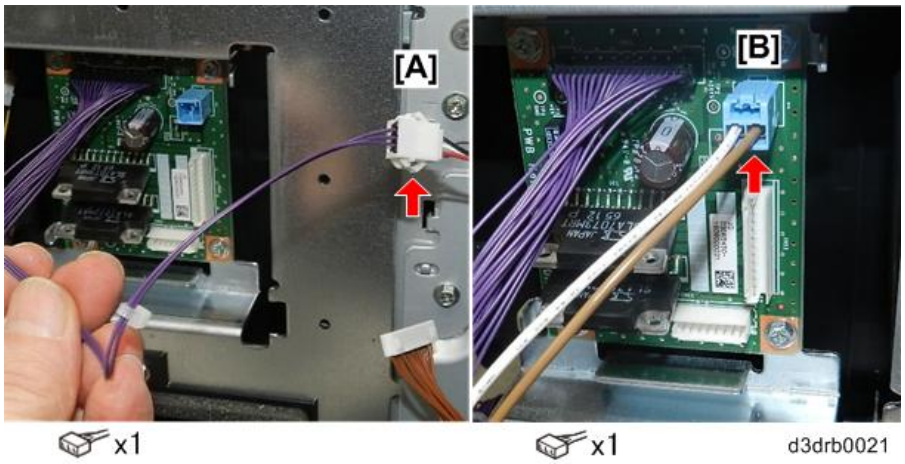


24. Clamp the harnesses again [A], and then push the freed ends of the harnesses through the frame [B].



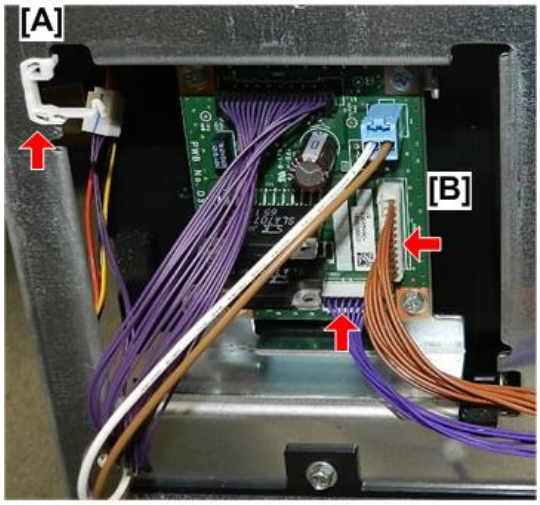
25. Pull the harnesses [A] up toward the PCB.
26. Connect the large connector [B] (1x).

27. Connect the small connector [A] (1x).
28. Connect the socket connector [B] (1x).



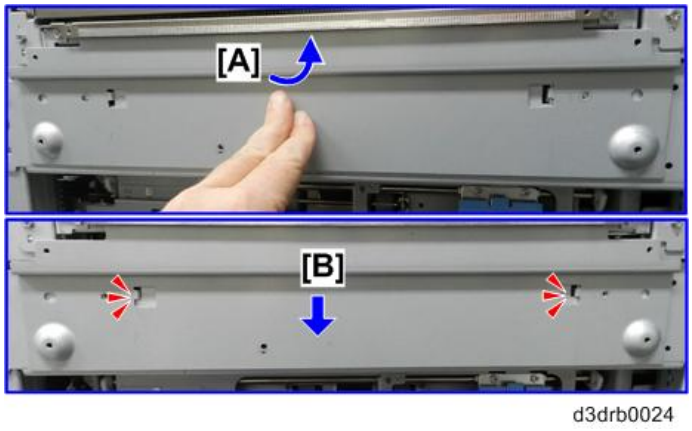
29. Set the edge saddle clamp [A] in the corner (x1).

30. Connect the remaining harnesses from the decurl unit [B] (x2).



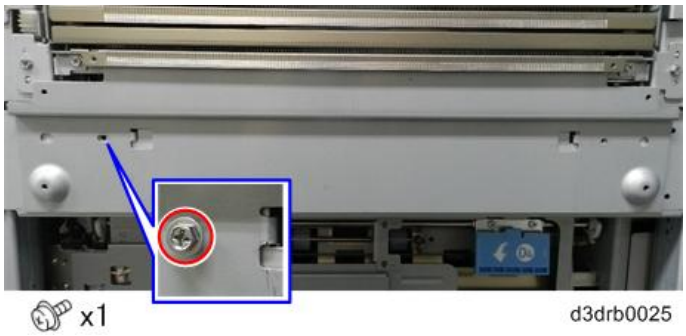
31. Select the bracket and screws you removed earlier (x2).

32. Slip the top edge of the bracket [A] up under the lip of the decurl unit, and then push it up.
33. Set the hooks on both sides [B], and then let the bracket slip down and lock in place.

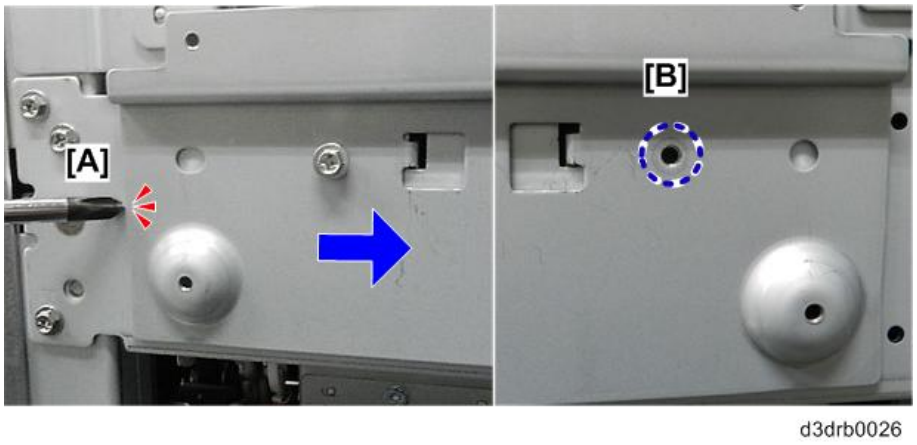


34. Make sure the plate is flat against the side of the machine, and that the hooks are set securely.

35. Set the screw at the rear, but do not tighten it (x1).



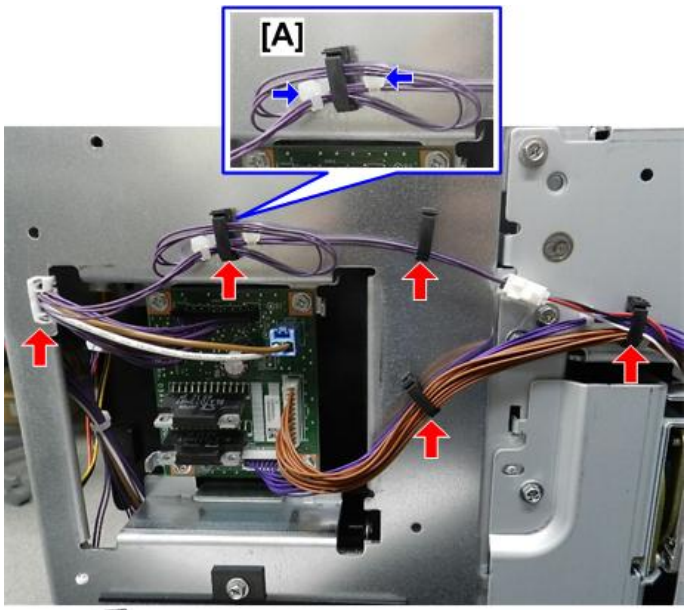
36. Tap the rear edge of the bracket [A] until you see the holes [B] aligned at the front.



37. Fasten screw [A] at the front, and then tighten screw [B] at the rear.

38. Clamp the harnesses (x5).
39. Before clamping harness [A], fold it over to take up slack with the permanent bands on either side of the

clamp as shown.



40. Re-attach the right and left covers of the main machine (x7 each)
41. Attach the connection bracket of the downstream unit (x4 M4x8).

Jam Removal Decal

1. Open the left front door of the main machine.
2. Attach the decal to the rear upper corner.

Important

- Position the decal so it is perfectly flat against the surface of the door.
- Make sure it does not cover the hole in the door that provides a recess for the knob. This could interfere with closing the door.

Entrance Guide Plate

Two guide plates are provided for the connection between the Decurl Unit and the entrance of the downstream unit. You must select the correct guide plate for the downstream peripheral unit (refer to the table below).

Peripheral Unit	Guide Plate
Multi Fold Unit FD5020	A
Cover Interposer Tray CI5030	
Ring Binder RB5020	
Perfect Binder GB5010	
High Capacity Stacker SK5030	C
Booklet Finisher SR5060	
Finisher SR5050	

1. Remove the guide plate from the right side of the downstream unit (x2).

d1792038

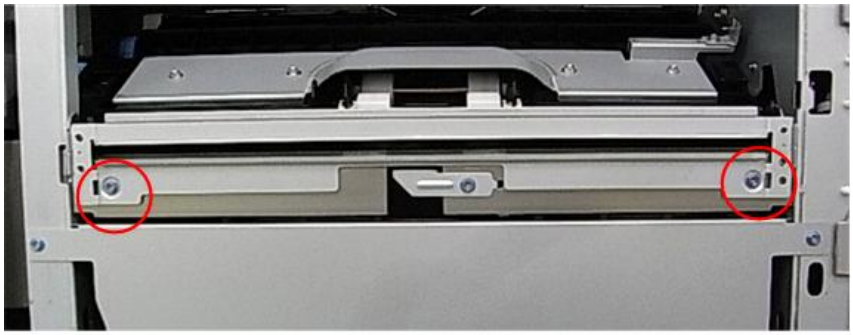
2. Select either entrance guide [A] or entrance guide [C] for attachment to the left side of the main machine. (See the table above.)

[A]

[C]

d1792039

3. Use the screws removed in Step 1 to fasten the entrance guide to the main machine (x2).



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4. If the first downstream unit is the Multi FoldUnit:
   - Fasten the screws at the outer (wide) holes (this is for the Multi Fold Unit only).
   - This is not done for either the Cover Interposer Tray or the Ring Binder.

d1792041

SP Settings

1. Plug the main machine into its power source, and then switch the machine on.
2. Enter the SP mode, and then enter the settings for SP1927-001 and SP1928-001 written on the attached label.

d1792042

3. Leave the SP mode.
4. Turn the machine off, and then unplug it from its power source.

Connecting Peripheral Units

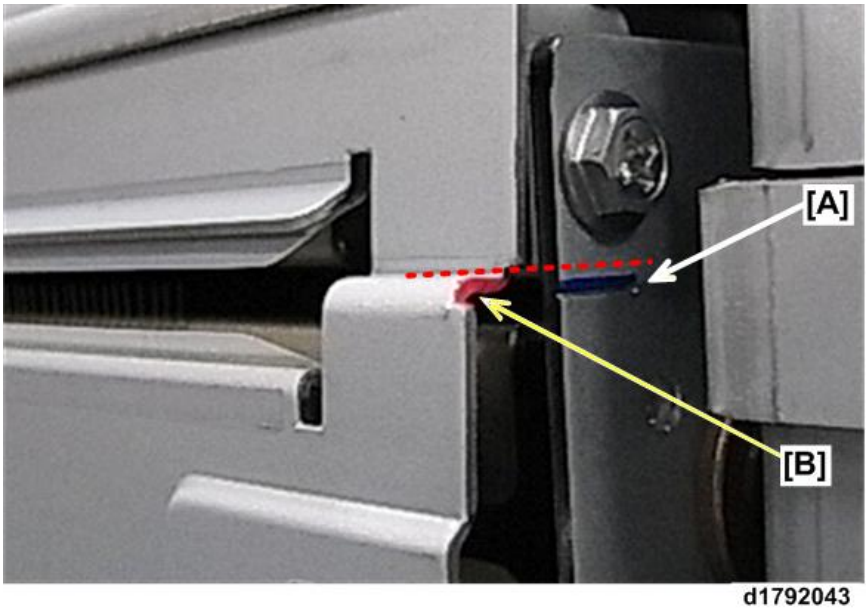
1. Connect the I/F cable to the main machine.
2. Connect the peripheral to the left side of the machine.
3. Plug the main machine into its power source, and then switch the machine on.
4. Enter the SP mode, and then do SP5-804-128 (Output Check De-curler Unit Move: Upper Default).
5. Send a sheet of paper through the Decurl Unit (the upper path is the default).
6. Turn the machine off, and then unplug it from its power source.
   If the output check is not successful, do the procedure in the next section below to change the unit path.

Adjustments

1. Do SP1-906-001 (De-curler Setting Tray 1: Paper Path Selection) to confirm that the upper path is selected as the default path.
2. Switch to the COPY WINDOW, select one-side copy from Tray 1, and then press [Start].
3. Make sure that the paper exits the machine through the default upper path of the Decurl Unit, and then open the front door to interrupt operation of the machine.
4. Turn the machine off, and then unplug it from its power source.

If Guide Plate A is Attached

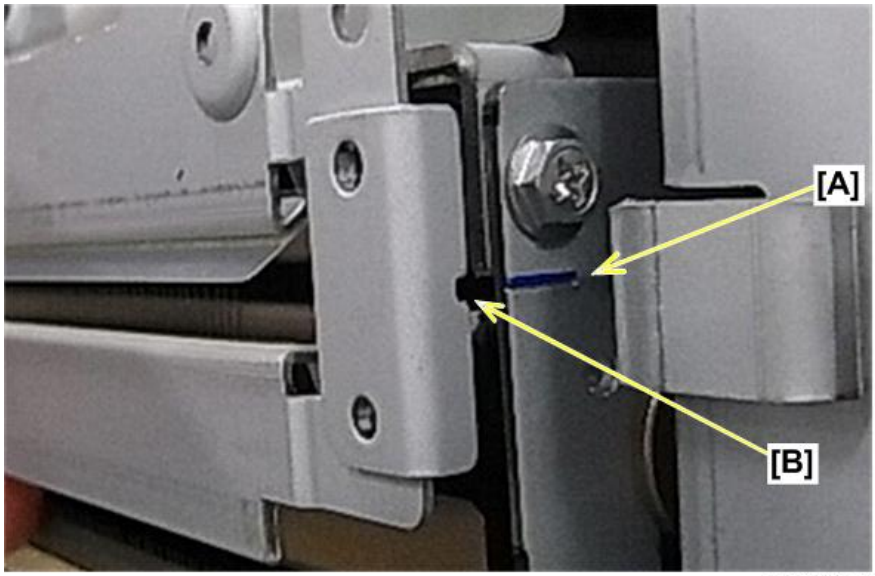
1. Check the red and blue marks between the main machine and the downstream unit.
2. Remove the rear cover of the peripheral.
3. Check to see if the blue mark [A] at the front and back of the Decurl Unit is at the same height as the red mark [B] at the front and back of the downstream peripheral.



If Guide Plate C is Attached

1. Check the blue marks between the main machine and the first downstream unit.
2. Remove the rear cover of the peripheral.
3. Check the blue mark [A] at the front and back of the Decurl Unit with the cut-outs [B] in guide plate C, and

then turn the leveling bolts until they are at the same height.



d1792044

Curl Correction

SP Mode Adjustments

Turn on the machine and do some test prints and check for excessive curling.

Important

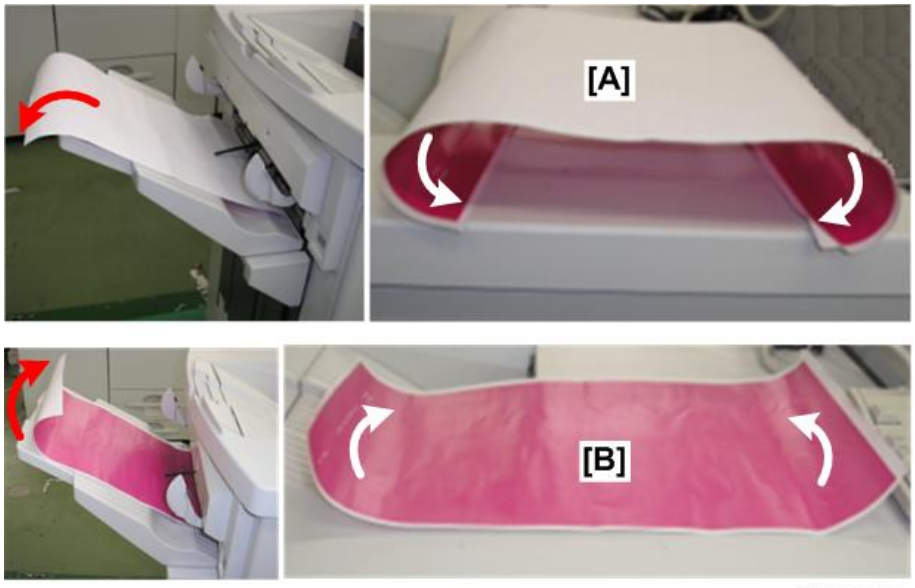
- Do test prints with paper feed from each paper tray.

Back Curl [A]

Back curling (convex curling) occurs when the leading and trailing edges of the sheets curl under.

Front Curl [B]

Face curling (concave curling) occurs when the leading and trailing edges of the sheets curl up.



d1792045

Curl Correction

Curl correction is done with settings in the SP mode. There are 11 SP codes for curl correction, one for each paper tray.

Paper Source		SP	Range
Tray 1	1st Tray: Main Machine	1906 001	[0 to 5 / **3** / 1]
Tray 2	2nd Tray: Main Machine	1906 002	
Tray 3	3rd Tray: Main Machine	1906 003	
Tray 4	Top Tray: LCIT	1906 004	
Tray 5	Middle Tray: LCIT	1906 005	
Tray 6	Bottom Tray: LCIT	1906 006	
Tray 7	Multi Bypass Tray: On top of LCIT	1906 007	
T1	Vacuum Feed LCIT RT5100	1-906-008	
T2	Vacuum Feed LCIT RT5100	1-906-009	
T3	Vacuum Feed LCIT RT5100	1-906-010	
T4	Vacuum Feed LCIT RT5100	1-906-011	

1st Tray Main Machine: SP1906 001

This is the list of settings for Tray 1. These settings are identical for each paper tray.

Setting	Used For	Sample
1	Slight Front Curl	Example [B] in the illustration above.
2	Excessive Front Curl	
3	None. This is the normal default setting.	No pressure applied by the soft roller.
4	Slight Back Curl	Example [A] in the illustration above.
5	Excessive Back Curl	

Tray Heaters

If the machine is being used where humidity is high:

- Turn on the tray heaters of the main unit. This will prevent moisture from collecting around and in the paper trays while the machine is idle or switched off.
- If an LCIT is installed, we recommend installing the optional tray heaters in the LCIT. This will prevent moisture from collecting around and in the paper trays in the LCIT while the machine is idle or switched off.

Multi Bypass Tray BY5010

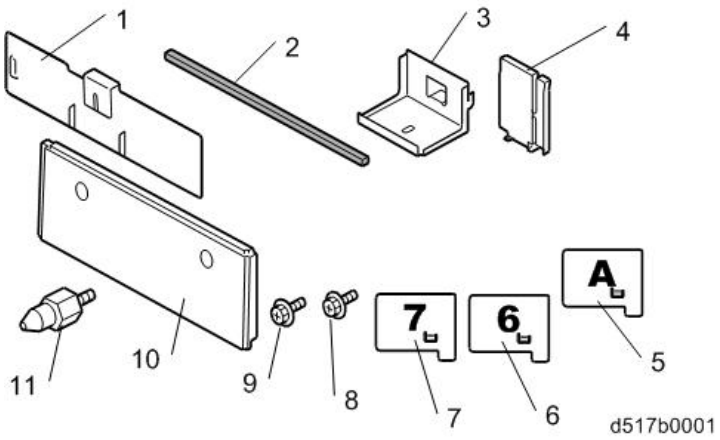
Before You Begin

- The Multi Bypass Unit must be installed on the LCIT before the LCIT is docked to the mainframe.
- If the LCIT is already installed, it must be disconnected from the mainframe before installing the Multi Bypass Unit.
- The Multi Bypass Tray BY5010 can be installed on the LCIT RT5070 (A4), LCIT RT5080 (A3) or Vacuum Feed LCIT RT5100.
- The Multi Bypass Tray can be installed directly on top of the LCIT RT5070 or LCIT RT5080. However, installation on the Vacuum Feed LCIT RT5100 requires the Multi Bypass Attachment Kit for Vacuum Feed LCIT.
- When more than one Vacuum Feed LCIT unit is connected, the Multi Bypass Tray BY5010 can be installed on only the first upstream Vacuum Feed LCIT (the closest to the main machine).

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Tab Sheet Fence	1
2.	Sponge Strip (Not Used)	1
3.	Bracket	1
4.	End Fence	1
5.	Decal (Tray A) (Not Used)	1
6.	Decal (Tray 6) (Not Used)	1
7.	Decal (Tray 7)	1
8.	Screws (M4x8)	2
9.	Screws (M4x6)	4
10.	Left Cover	1
11.	Joint Pins	2



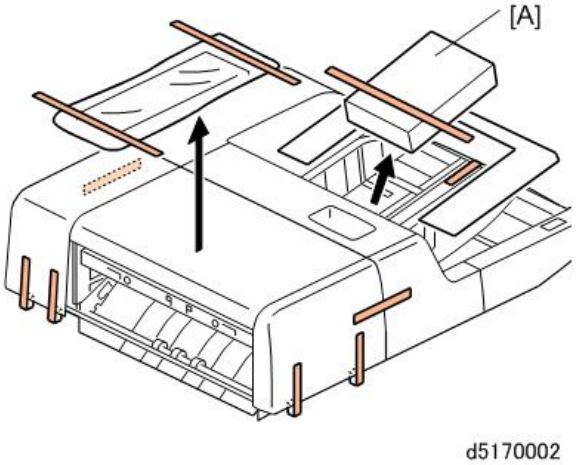
Installation

⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedures.

Unpacking

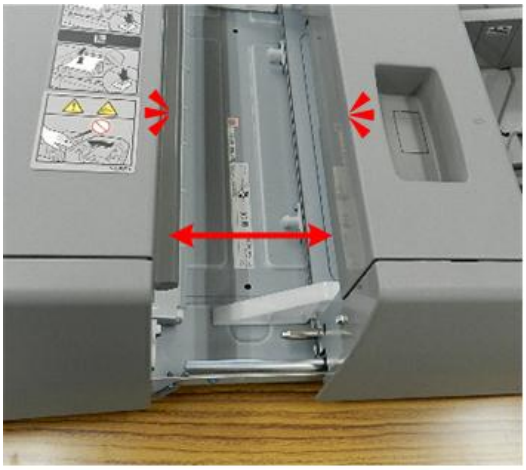
1. Remove the accessory packet [A] and open it.
2. Remove all tape and shipping materials.



Prepare the Unit

1. Lay the unit on a flat, clean surface.

2. Open the unit.

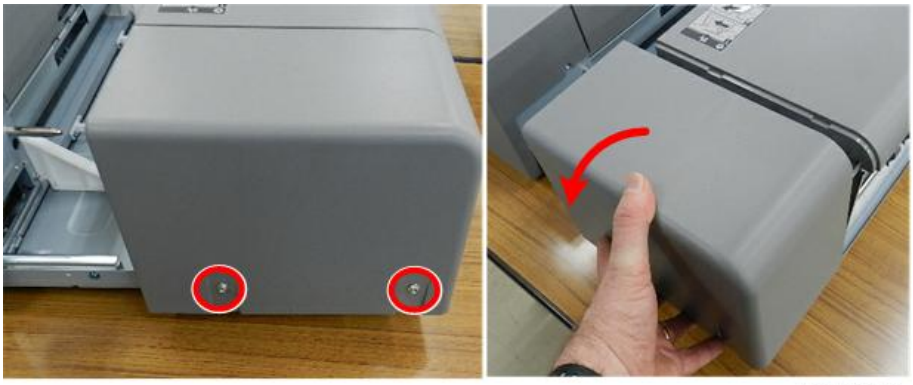


d5170014

3. Remove the front cover (x1).

d5170015

4. Remove the rear cover (x2).



d5170016

LCIT RT5070

These are the instructions for installing the unit on the LCIT RT5070. If you are doing this installation for the LCIT RT5080, go to the next section.

1. Remove the right edge cover (x2).

d5170003

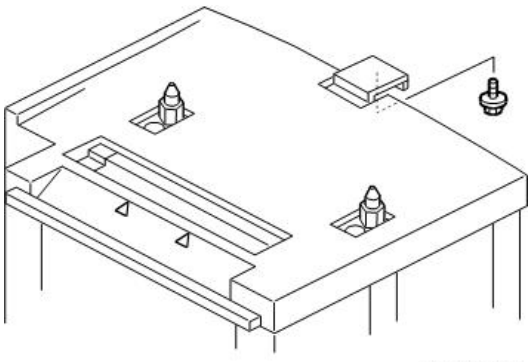
2. Next, remove the top cover (x2).

d5170004

3. Install the joint pins.
4. Turn the pins clockwise until they are snug against the frame.

d5170005

5. Attach the accessory support plate (x1).



d5170037

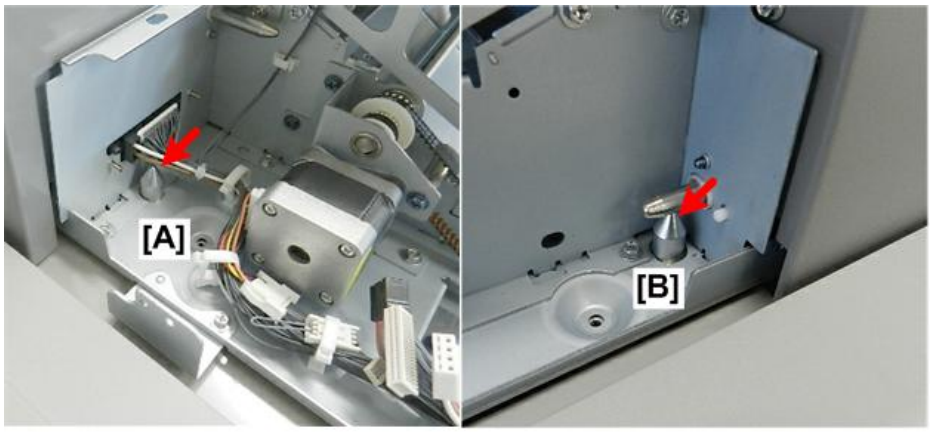
Note

- The Multi Bypass Unit weighs about 20 kg. (44 lb.).

6. Lift the bypass tray and set it on top of the joint pins. The pins should slide into holes in the bottom of the tray.

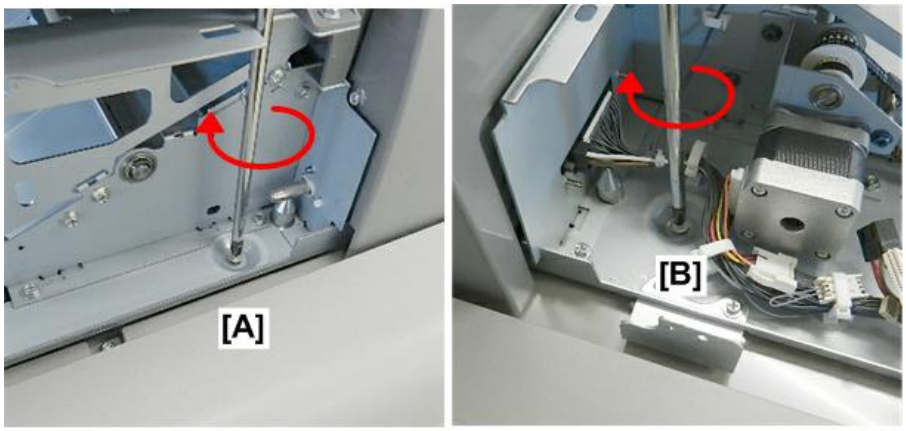
d5170017

7. On the right, secure the tray with one screw at the accessory support plate attached in Step 5 (x1).l
8. Check the rear [A] and front [B].



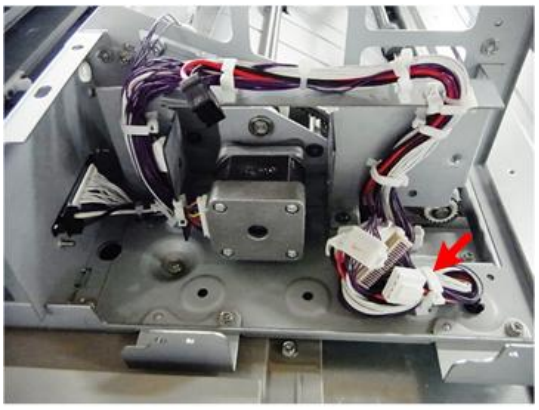
d5170018

9. Make sure the tray is flat on top of the LCIT, and that the joint pins are visible.
10. Fasten the tray at the front [A] and rear [B] (x2).



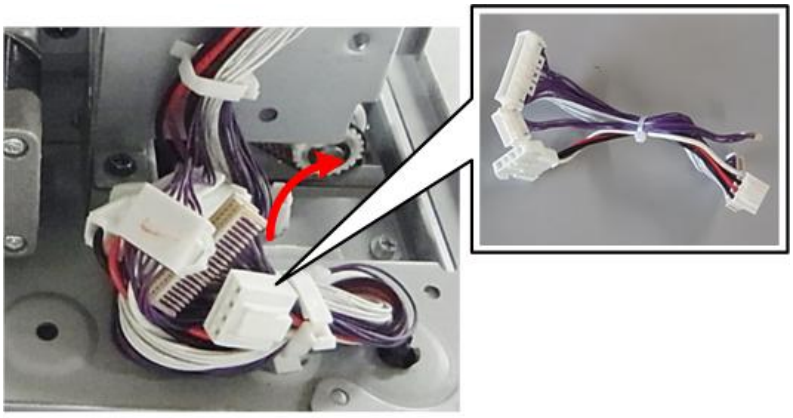
d5170019

11. At the rear, open the clamp to free the three harness cables.



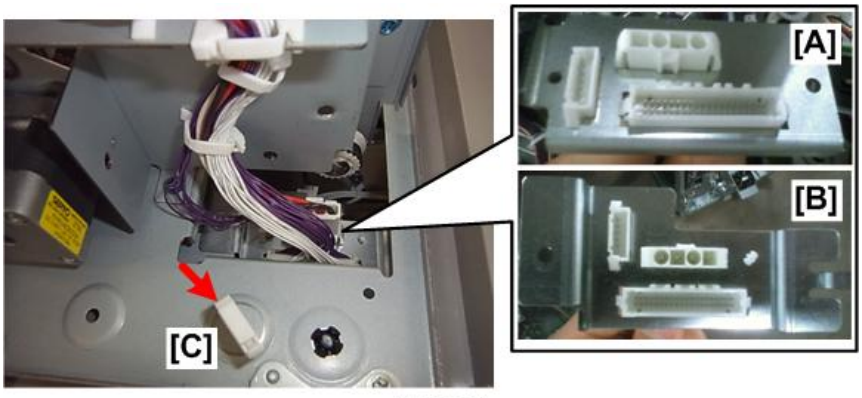
d5170038

12. Open the clamp, and then remove the short harnesses. These harnesses are not used for this installation.



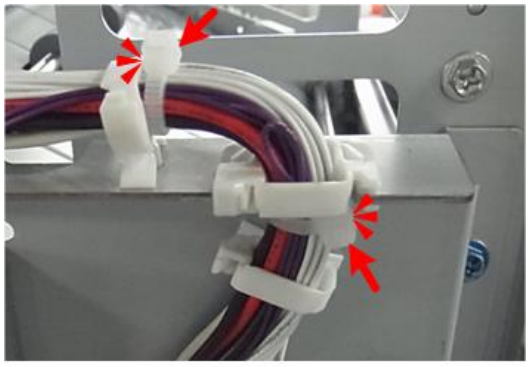
d5170039

13. Locate the three connection points inside the tray, and then connect the harnesses (x3).
    - [A] shows the connection points inside LCIT RT5080
    - [B] shows the connection points inside LCIT RT5070
    - [C] is not used for this installation



d5170041

14. When you close the harnesses, make sure that the two lock bands are positioned as shown above.

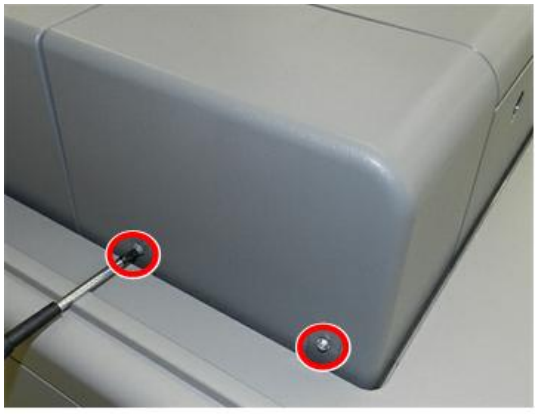


d5170040

15. Next, install the left cover (x2).

d5170022

16. Attach the rear cover (x2).



d5170023

17. If the tray is closed, open it.

d5170024

18. Attach the front cover (x1).

d5170025

19. This completes installation of the Multi Bypass Tray.
20. Dock the LCIT to the side of the main machine.

LCIT RT5080

1. Open the front door.
2. Disconnect the front side of the left tray [B] (x2).

d5170006

3. At the rear [A], disconnect the left tray [B] and remove it (x2).

d5170007

4. Remove the 1st flat plate (x2).

d5170008

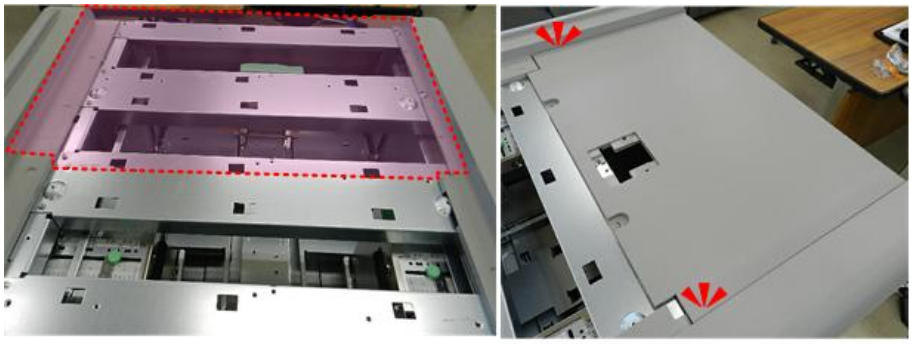
5. Remove the 2nd flat plate (x2).

d5170009

6. Remove the 3rd flat plate (x2).

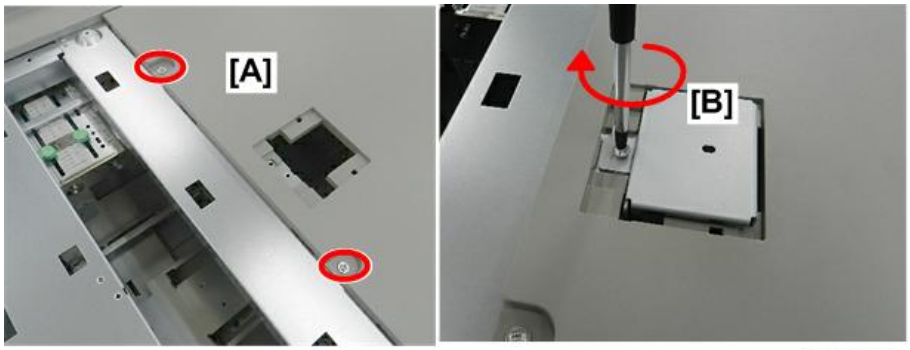
d5170009

7. Next, set the flat plate with the cutout where you just removed the 3rd flat plate.



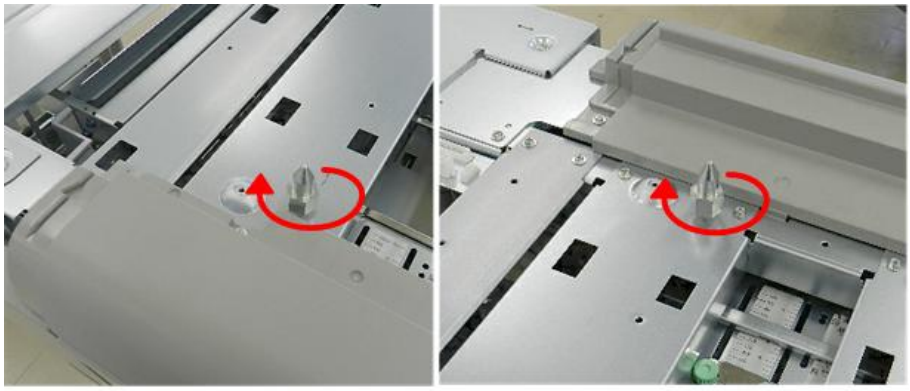
d5170011

8. Fasten the plate [A] (x2).
9. Set the bracket [B] and fasten it (x1).



d5170012

10. Install the joint pins, one at the front and one at the rear.
11. Turn the pins clockwise until they are snug against the frame.

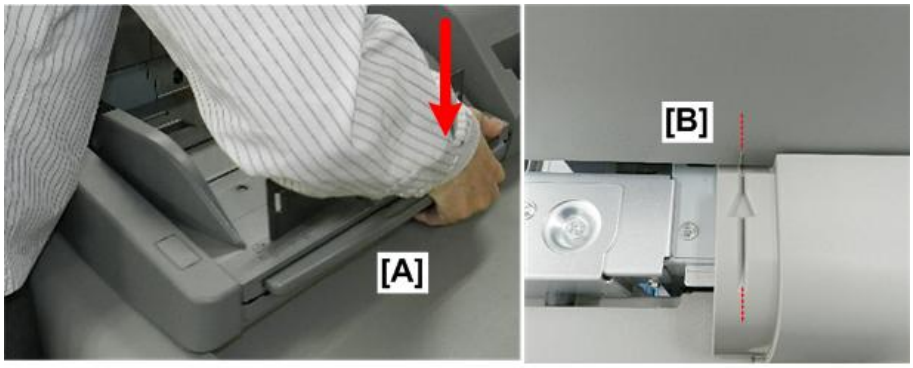


d5170013

Note

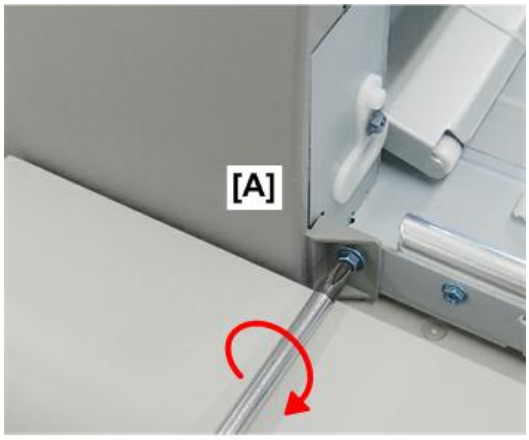
- The Multi Bypass Unit weighs about 20 kg. (44 lb.).

12. Lift the bypass tray [A] and set it on top of the joint pins.
    - Use the arrow on the cover and the line on the side of the unit [B] to align the tray as you lower it.
    - The pins will slide easily into holes in the bottom of the tray when these marks are aligned.



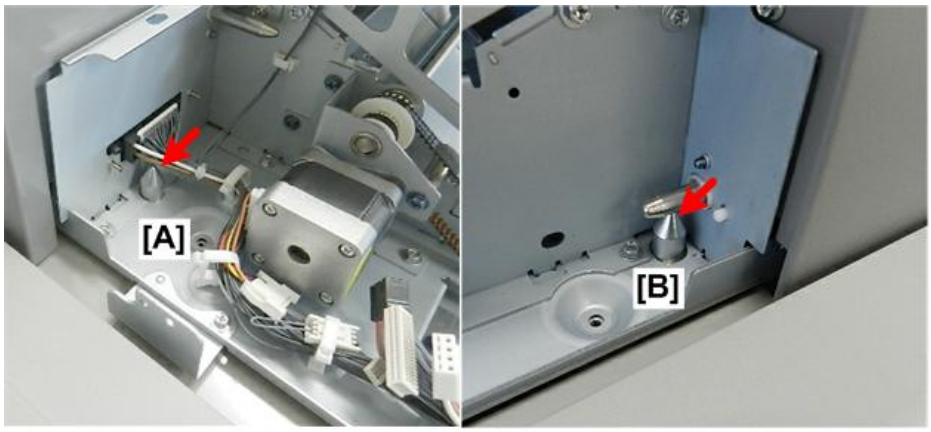
d5170016

13. Fasten the screw [A].



d5170028

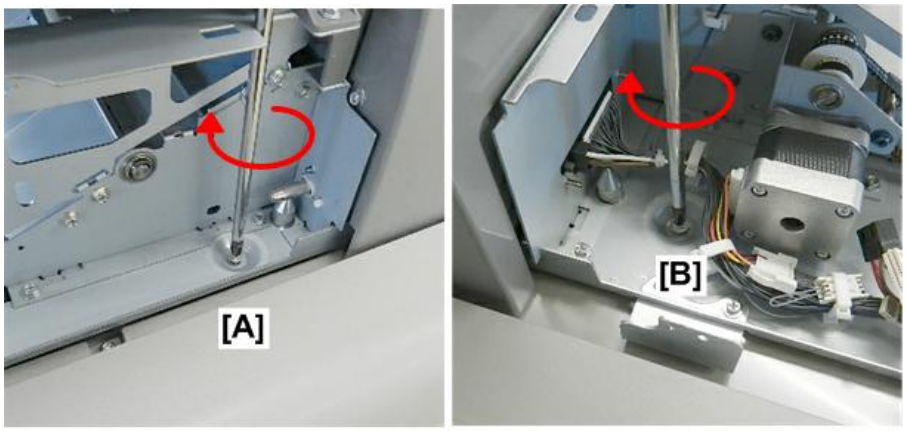
14. Check the rear [A] and the front [B].



d5170018

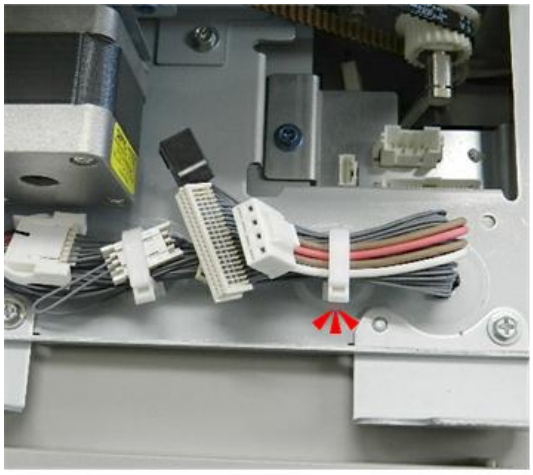
15. Make sure the tray is flat on top of the LCIT, and that the joint pins are visible.

16. Fasten the tray at the front [A] and the rear [B] (x2).



d5170019

17. At the rear, open the clamp to free the three harness cables.

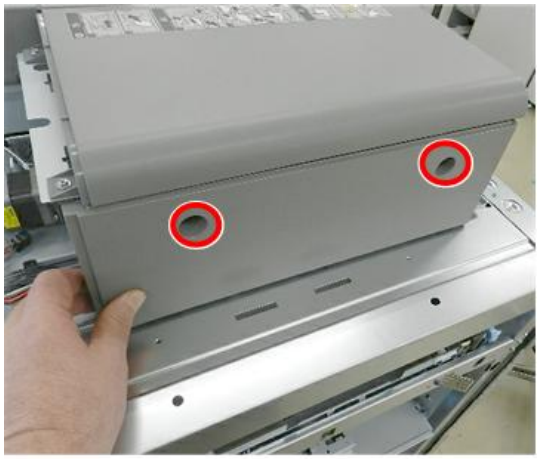


d5170020

18. Locate the three connection points inside the tray, and then connect the harnesses (x3).

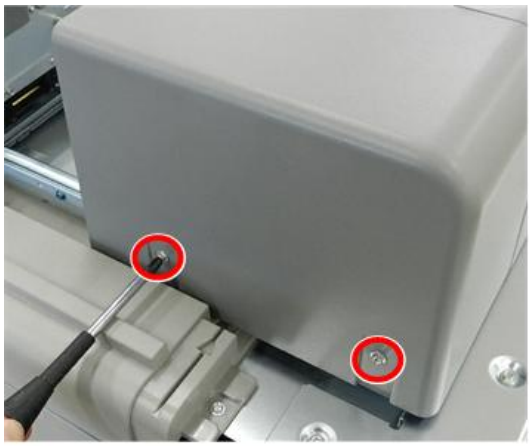
d5170021

19. Next, install the left cover (x2).



d5170026

20. Attach the rear cover (x2).



d5170029

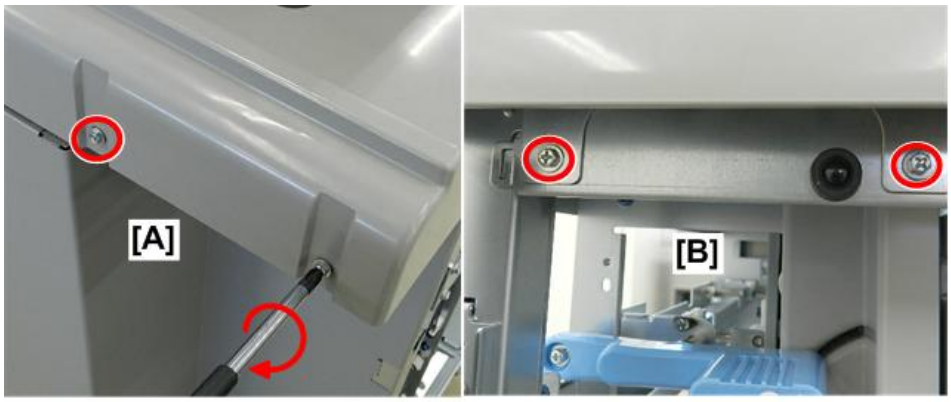
21. If the tray is closed, open it.

d5170027

22. Set the left cover. (This was the first cover that you removed at the beginning of the procedure.)

d5170030

23. Fasten the left cover at the rear [A] and at the front [B] (x4).



d5170031

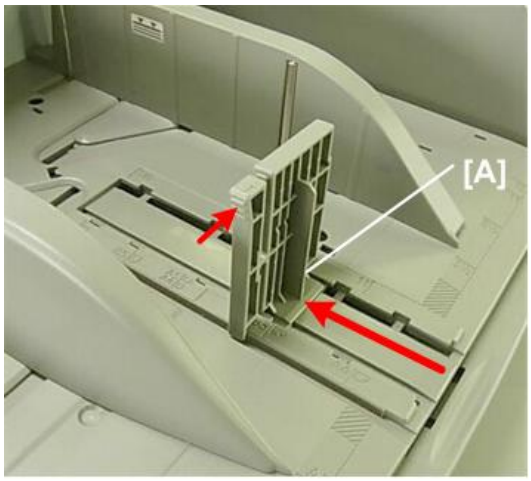
24. This completes installation of the Multi Bypass Tray.
25. Dock the LCIT to the side of the main machine.

End Fence, Tab Sheet Fence

Note

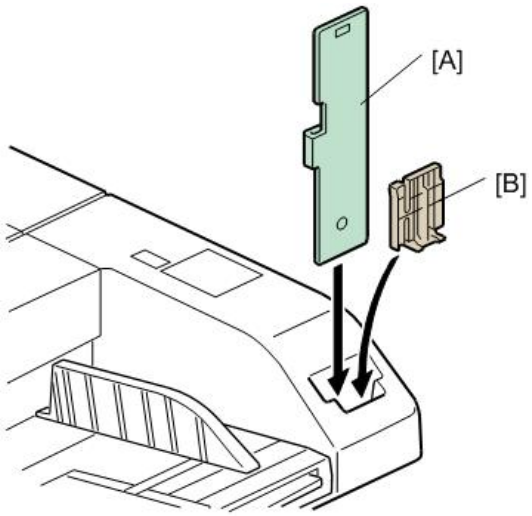
- The items in this section are bypass unit accessories.

1. Set the end fence [A].



d5170033

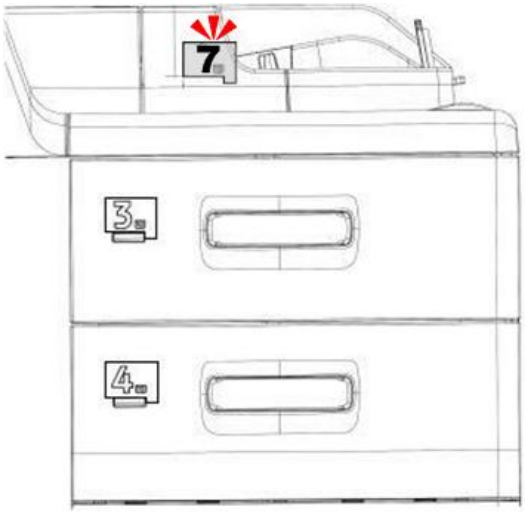
2. Store the tab sheet fence [A] as shown. Also store the end fence [B] here if the customer does not need to use it at this time.



d5170034

Attaching the Tray Number Decals

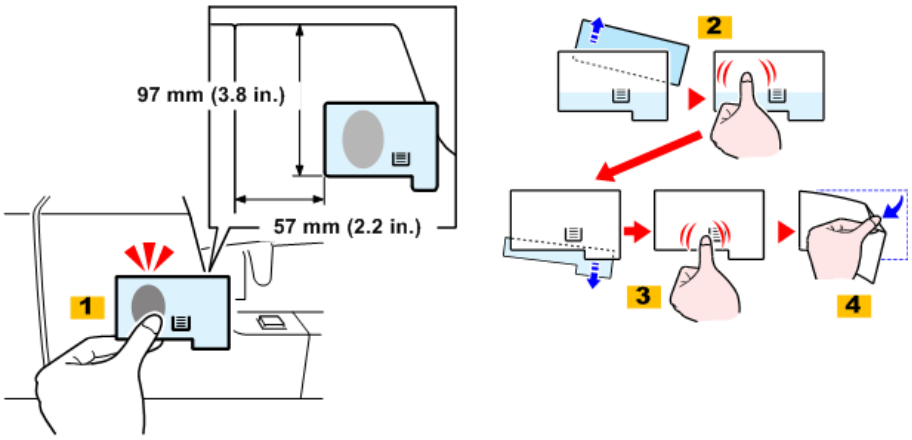
1. Attach decal number **7** to the front of the unit as shown.



d517b0035

2. First, attach the "7" decal [1] at the position shown.
3. Pull the back strip [2] from behind the upper part of the decal, and then press where the strip was removed.
4. Pull the back strip [3] from behind the lower part of the decal, and then press where the strip was removed.

5. Pull the clear sheet [4] from the surface of the decal.



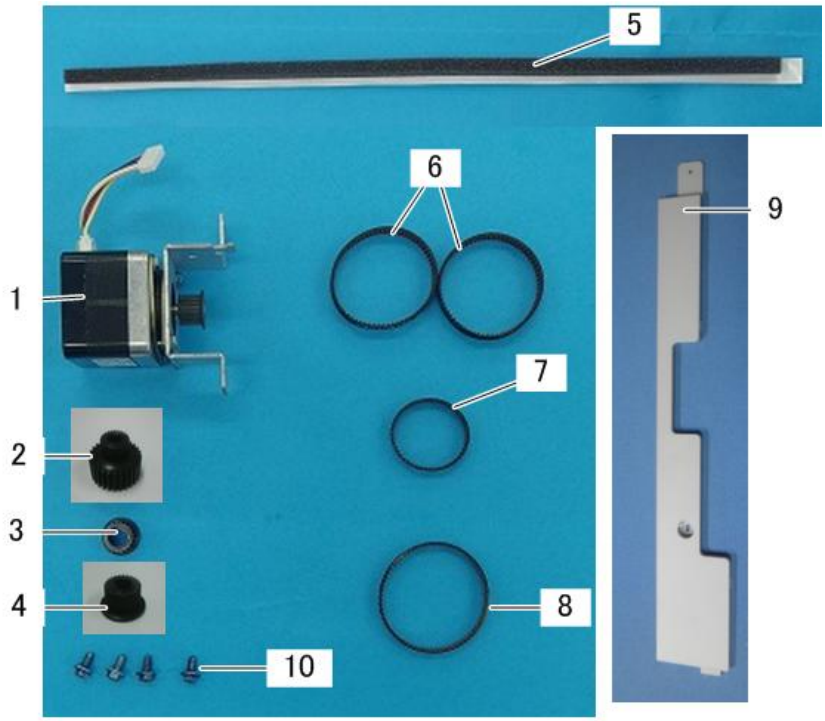
d5170036

Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3

Note

- When installing the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100, this option is required to match the feed speed of the vacuum feed LCIT.

Accessories



d194d8201

No.	Description	Q'ty
1	Stepping Motor Assembly	1
2	Pulley Gear	1
3	Timing Pulley: Transport	1
4	Timing Pulley	1
5	Sponge Strip	1
6	Timing Belt: M134	2
7	Timing Belt: M96	1
8	Timing Belt: M140	1
9	Cover Plate	1
10	Tapping Screw: M4x8	4

Installation

This section describes how to install the Multi Bypass Tray BY5010 on the Vacuum Feed LCIT RT5100 with the Multi Bypass Attachment Kit for Vacuum Feed LCIT Type S3.

⚠CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedures.

Before You Begin...

- If more than one Vacuum Feed LCITs is connected, the Multi Bypass Tray can be installed on only the first downstream Vacuum Feed LCIT (the closest one to the main machine).
- The Multi Bypass Tray must be installed on the Vacuum Feed LCIT before the Vacuum Feed LCIT is docked to the mainframe.
- If the Vacuum Feed LCIT is already installed, it must be disconnected from the mainframe before installing the Multi Bypass Tray.

If the Vacuum Feed LCIT Has Already Been Installed...

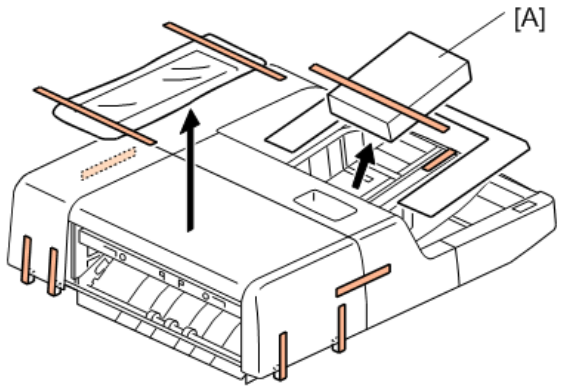
Skip to the next section if you are installing the Vacuum Feed LCIT and Multi Bypass Tray together.

1. If the Vacuum Feed LCIT is connected to the machine, disconnect it.
2. To prevent damage to the connectors, before pulling the Vacuum Feed LCIT away from the mainframe:

- Pull the Vacuum Feed LCIT about 20 cm (8") away from the main machine.
- Disconnect the connectors.
- Pull the Vacuum Feed LCIT completely away from the machine.

Preparing the Multi Bypass Tray

1. Remove the accessory packet [A] and open it.
2. Remove all tape and shipping materials.

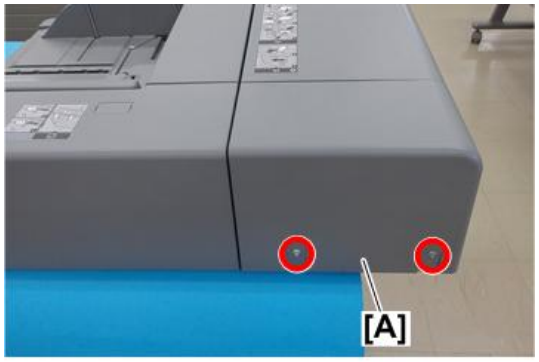


d517i101

3. The guide plate of the unit bottom sticks out, so place the unit on a table as shown below.

d194d8205

4. Rear cover [A] (x2 M4x8)

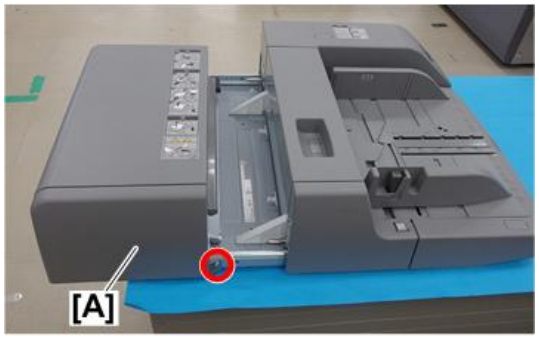


d194d8206

5. Open the bypass tray.

d194d8207

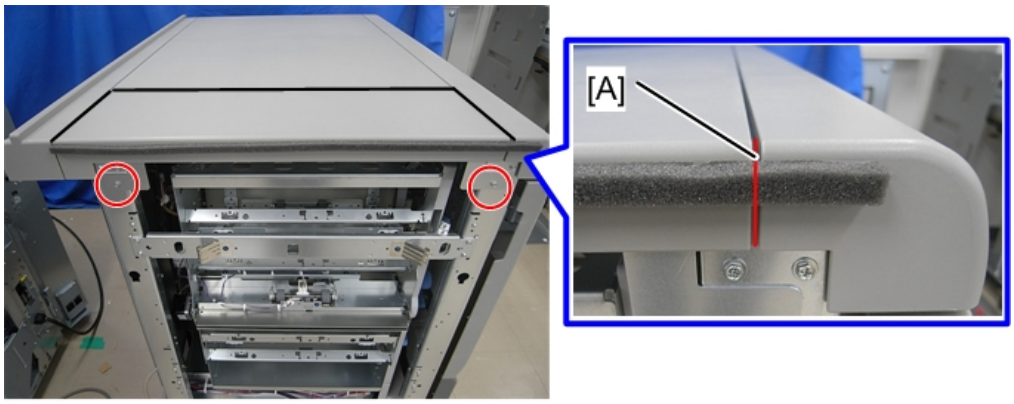
6. Front cover [A] (x1 M4x8)



d194d8208

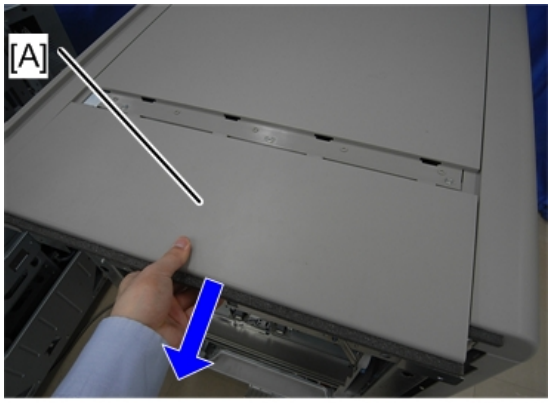
Mounting the Multi Bypass Tray

1. Cut the cushion at the position [A] along the groove of the left top cover of the Vacuum Feed LCIT.
2. Remove the screws on the left top cover (x2).



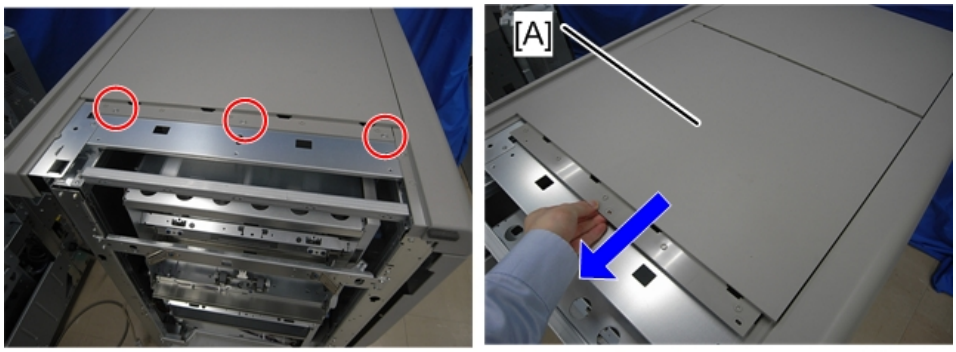
d777z0047

3. Slide the left top cover [A] in the direction of the blue arrow and remove it.



d777z0048

4. Slide the center top cover [A] in the direction of the blue arrow and remove it (x3).

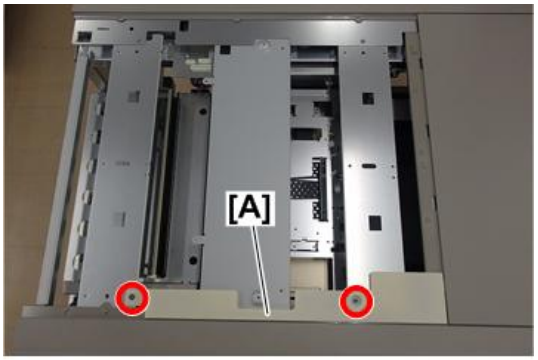


d777z0049

5. Attach the cover plate [A] (provided with the Multi Bypass Attachment Kit) to the front edge (x2: M4x8).

Note

- The screws are also provided with the Multi Bypass Attachment Kit.

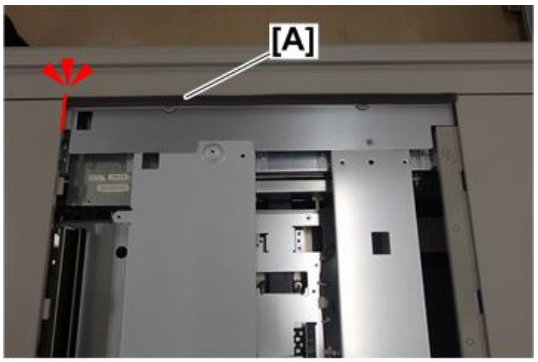


d194d8203

6. Remove the tape from the sponge strip provided with the Multi Bypass Attachment Kit.
7. Attach the sponge strip [A] to the rear edge.

Note

- Paste it from the left end so that there is no gap between the left end and the sponge strip, and no gap between the right end and the sponge strip.

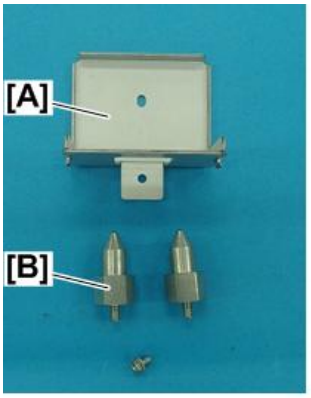


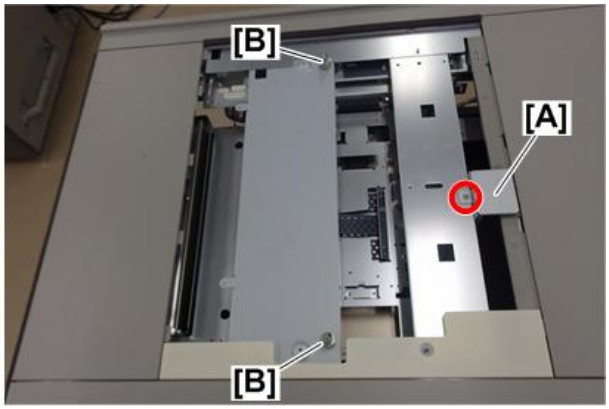
d194d8204

8. Attach the bracket [A] and joint pins [B] (x1: M4x6).
   These are provided with the Multi Bypass Tray.

Note

- The fixing screw is also provided with the Multi Bypass Tray.



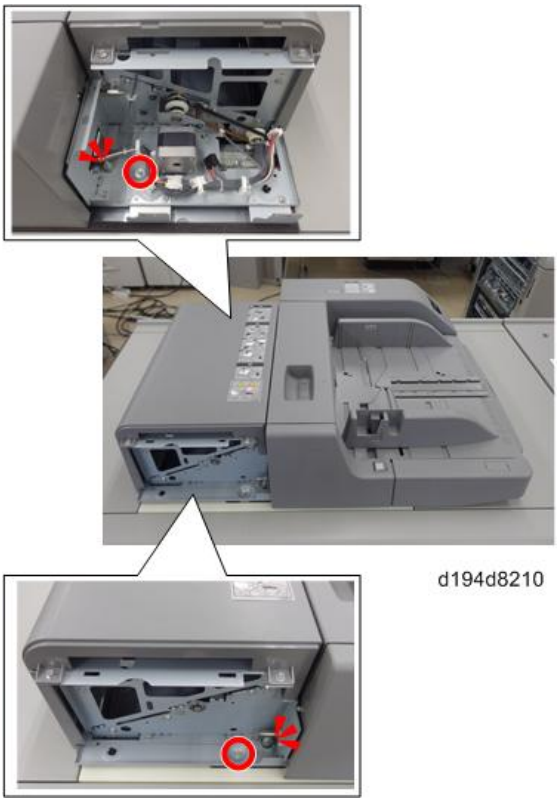


d194d8209

9. Mount the Multi Bypass Tray on the Vacuum Feed LCIT (x2: M4x6).
   Align the holes at the front and rear of the Multi Bypass Tray with the joint pins on the Vacuum Feed LCIT.

Note

- The bypass unit weighs 20 kg (44 lb.). You may need assistance to set the bypass unit on top of the Vacuum Feed LCIT.
- Fixing screws are provided with the Multi Bypass Tray.

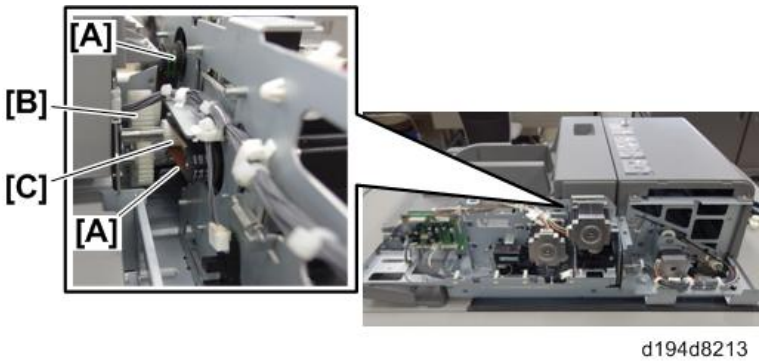


d194d8210

Replacing the Pulley and Belt

It is necessary to replace the following parts of the Multi Bypass Tray with ones provided with the Multi Bypass Attachment Kit in order to match the feed speed of the vacuum feed LCIT.

Around the Paper Feed Motor/ Paper Transport Motor



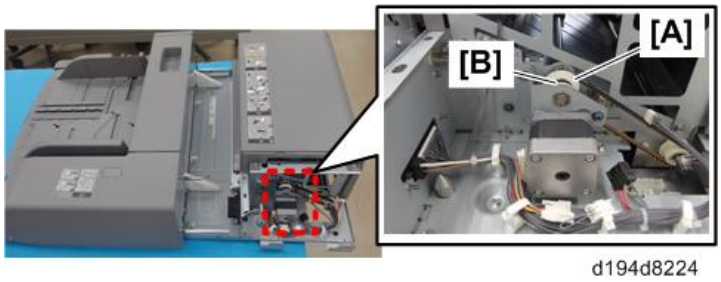
d194d8213

[A]: Timing Belt x2

[B]: Pulley Gear

[C]: Timing Pulley

Around the Relay Motor



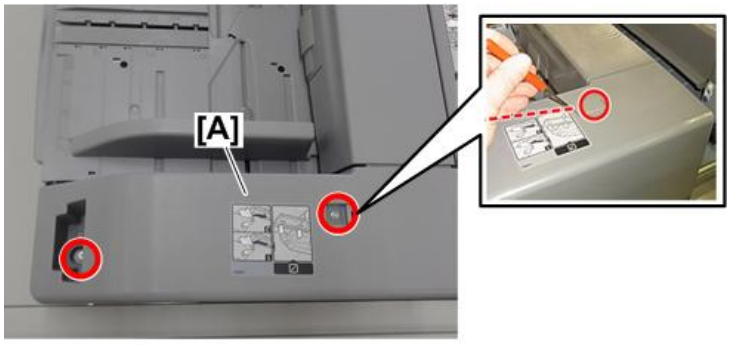
d194d8224

[A]: Timing Pulley

[B]: Timing Belt

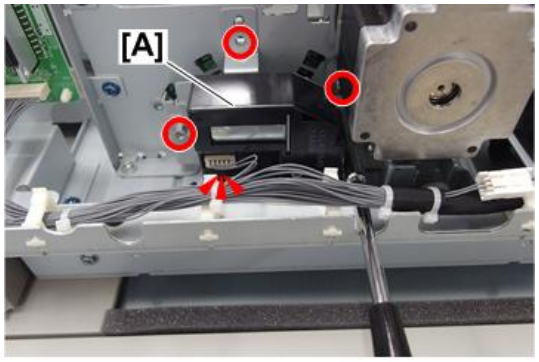
Around the Paper Feed Motor and Paper Transport Motor

1. Bypass tray rear cover [A] (cap x 1, x3)



d194d8212

2. Disconnect the lift motor [A] with the bracket (x3, x1).

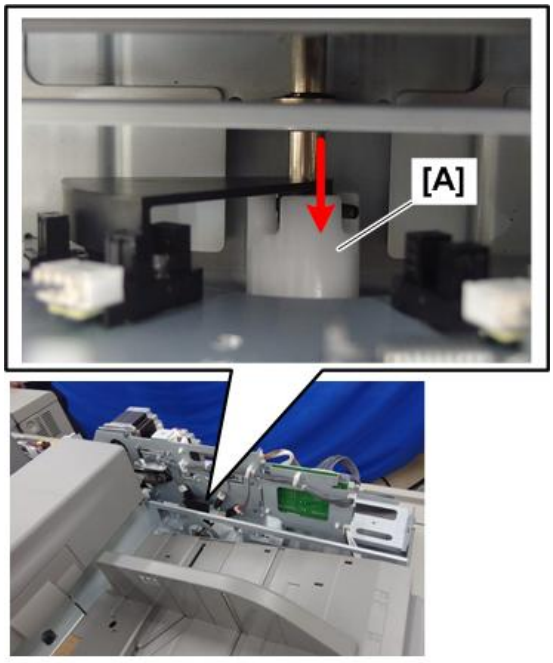


d194d8214

3. While pushing the motor coupling [A], carefully remove the motor.

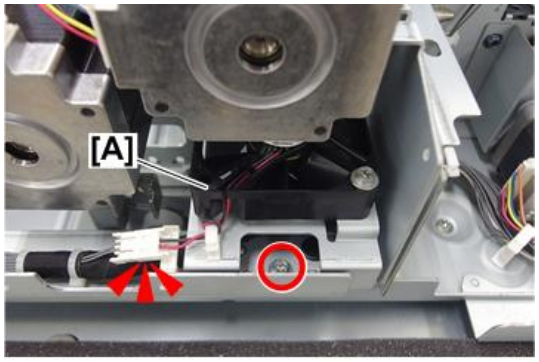
Note

- The tray may fall suddenly when the coupling comes off the shaft, so work carefully.



d194d8239

4. Remove the transport motor fan [A] with the bracket (x1,x1).



d194d8215

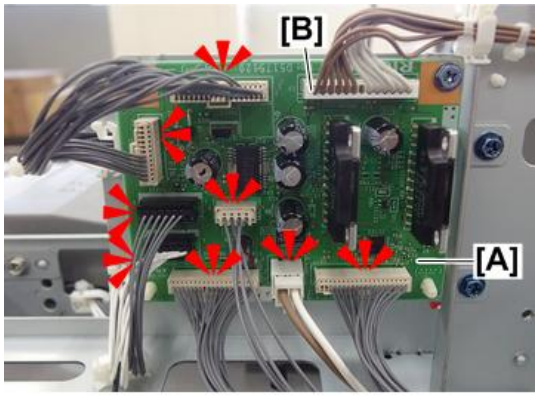
5. Open the clamps and then free the harnesses (x8).
6. Disconnect the paper height sensor connectors (x3).
7. Disconnect the ground wire (x1).

d194d8216

1. Disconnect the connectors from the bypass tray PCB [A] (x8).

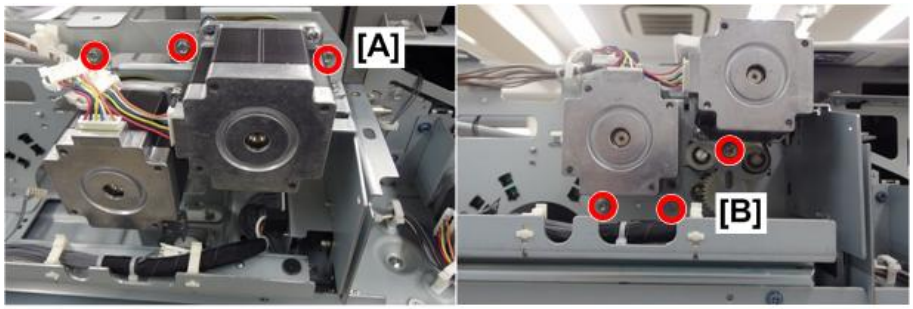
Note

- It is not necessary to disconnect the connector [B].



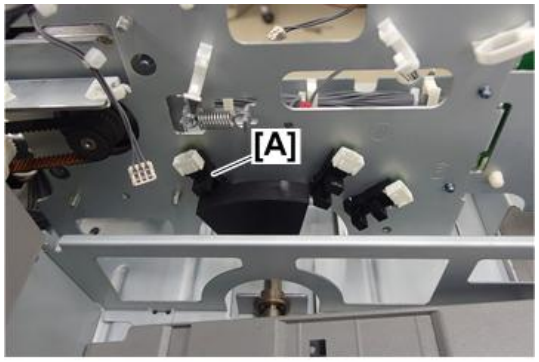
d194d8217

2. Loosen the six screws, three above [A] and three below [B], on the paper feed motor and paper transport motor to release the tension on the timing belt (x6).



d194d8218

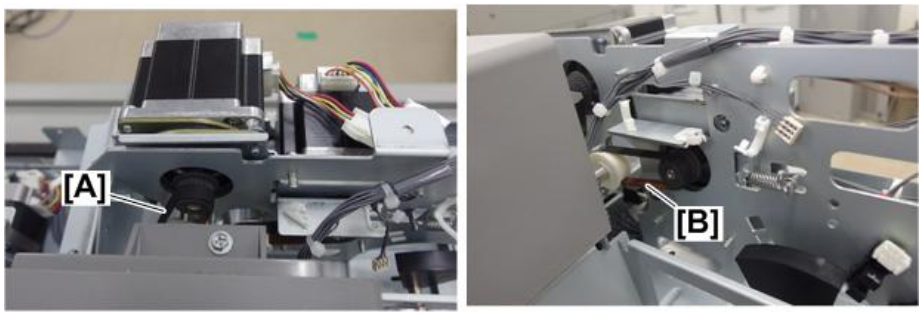
3. Disconnect the paper height sensor [A] (x3).



d194d8219

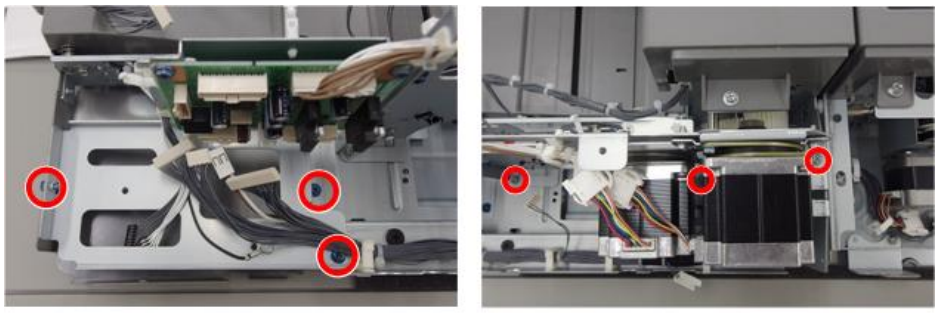
4. Remove the timing belt [A] from the paper transport motor.

5. Remove the timing belt [B] from the paper feed motor.



d194d8220

6. Disconnect the motor-PCB bracket (x6).

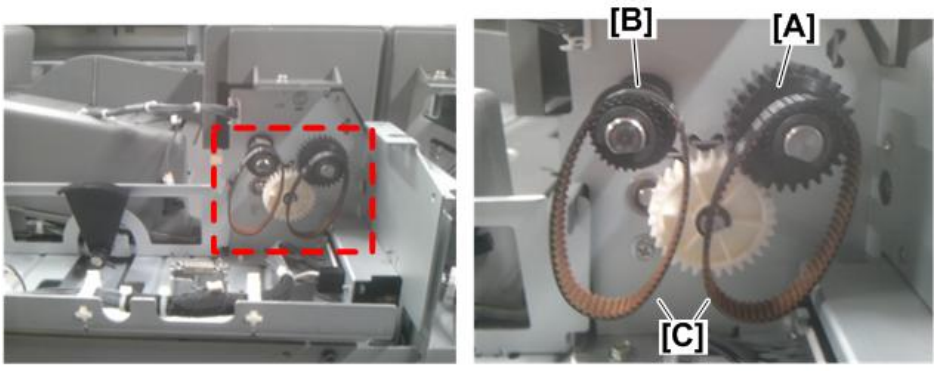


d194d8221

7. Remove the bracket.

d194d8222

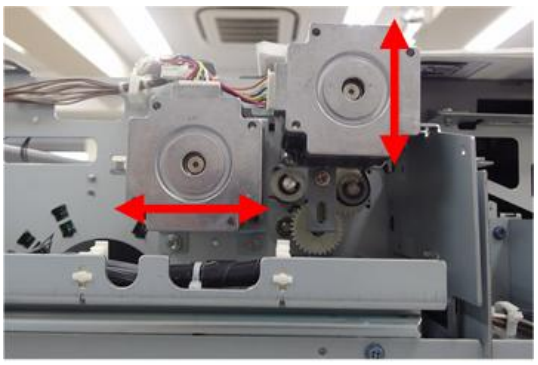
8. Replace the pulley gear and timing pulley with the ones provided with the Multi Bypass Attachment Kit (pulley gear [A], timing pulley [B]) (x1 each).
9. Set the two timing belts: M134 [C] temporarily.
   Timing belts: M134 are also provided with the Multi Bypass Attachment Kit.



d194d8223

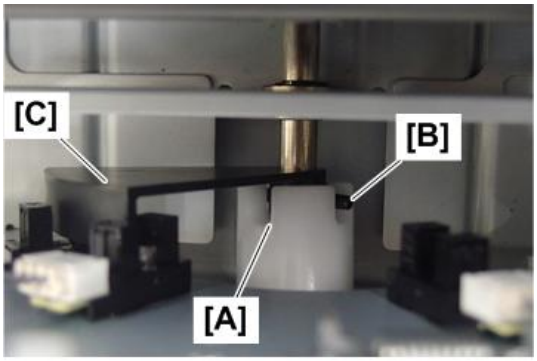
10. Re-attach the motor/PCB bracket (x6).

11. While sliding the motors, re-attach the timing belts to the paper feed and paper transport motors, and then fasten them (x6).



d194d8218b

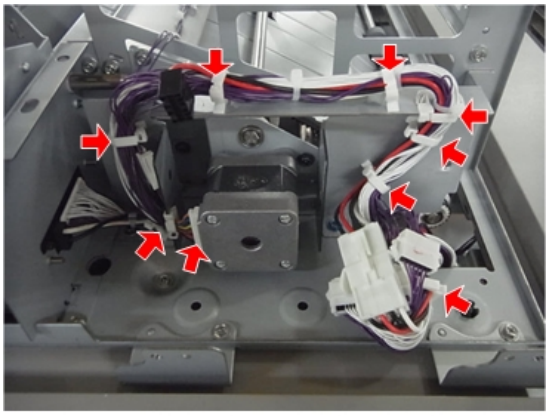
12. Re-attach the removed parts and connectors.
    - When re-attaching the lift motor, insert the pin [B] of the tray shaft into the dent [A] in the coupling.
    - Moving the sensor shutter [C] while lifting the tray makes the tray shaft rotate. That makes it easy to insert the pin into the dent.



d194d8227

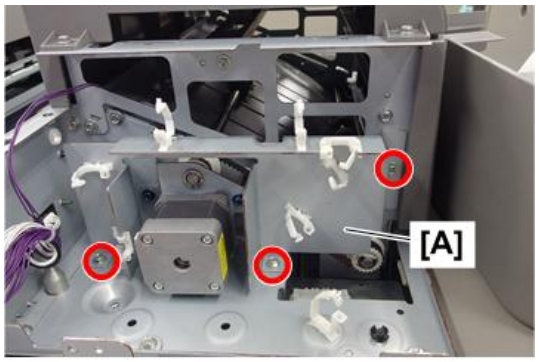
Around the Relay Motor

1. At the rear, open the clamps and then free the harnesses (x8, x1).



d194z0311

2. Harness bracket [A] (x3)

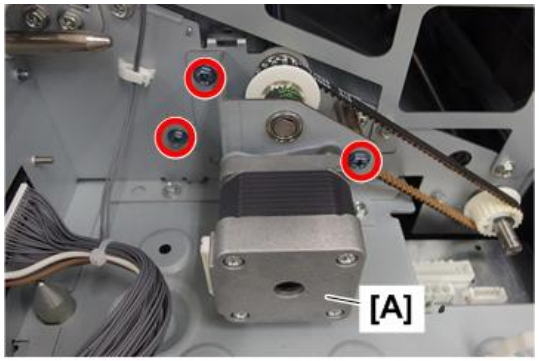


d194d8240

3. Relay motor assembly [A] (x3, x1)

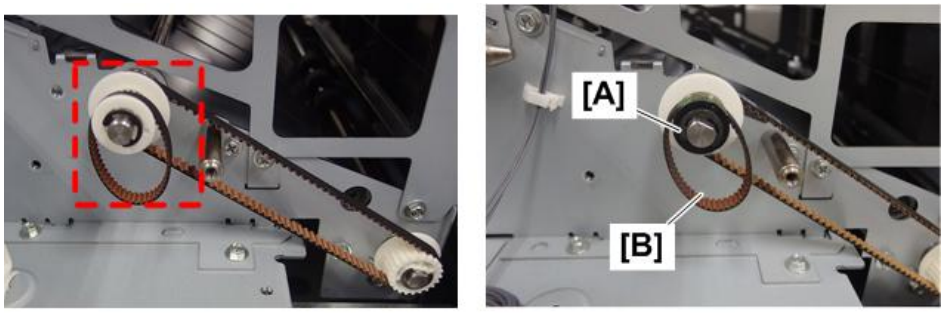
Note

- Be careful not to drop the bushing.



d194d8225

4. Replace the timing pulley and timing belt with the ones provided with the Multi Bypass Attachment Kit (timing pulley: transport [A], timing belt: M96 [B]) (x1).

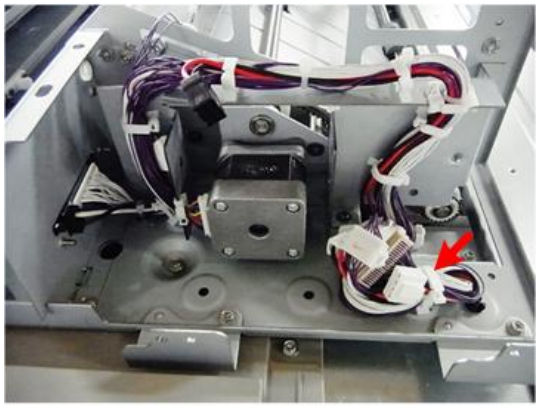


d194d8226

5. Re-attach the relay motor assembly and then attach the timing belt to the relay motor.
6. Fix the relay motor assembly (x6).
7. Re-attach the harness bracket and harnesses.

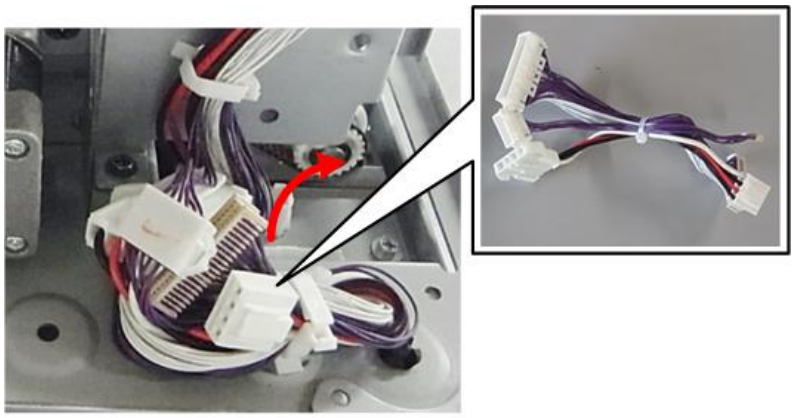
Connecting the Multi Bypass Tray

1. At the rear, open the clamp to disconnect the three harness cables (x1).



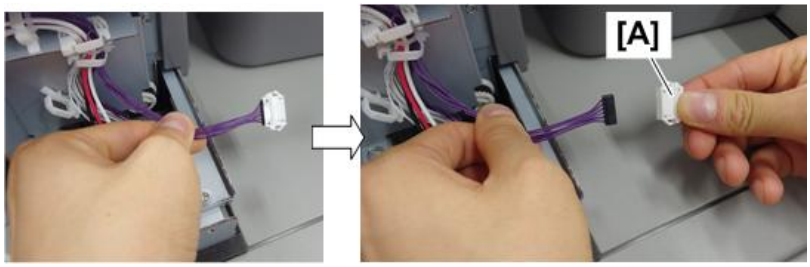
d5170038

1. Remove the short harnesses. (These harnesses are not used for this installation.)



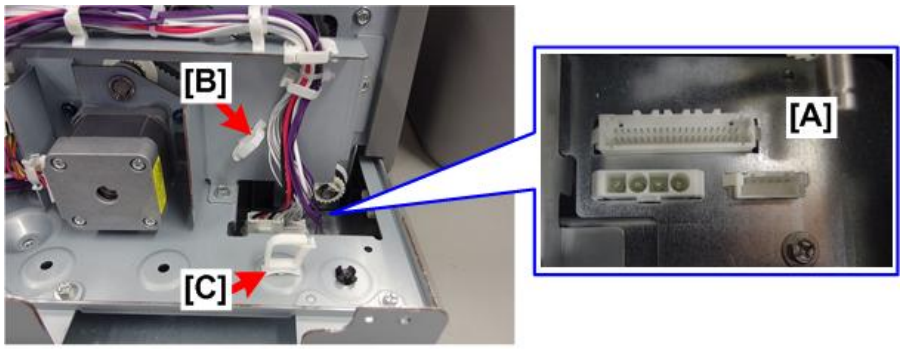
d5170039

2. Remove the connector socket [A] from the 6-pin connector.



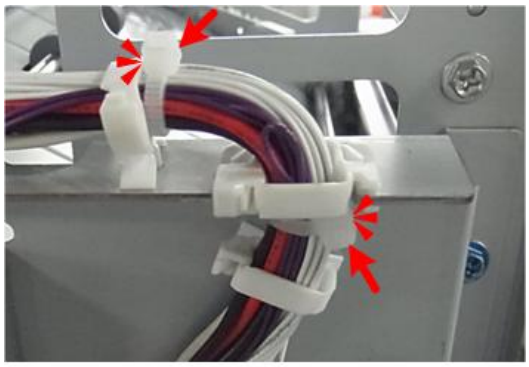
d194d8241

3. Locate the three connection points [A] on the Vacuum Feed LCIT (inside the tray), and then securely connect the 3 harnesses (x3).
   Clamps [B] and [C] are not used for this installation.



d194e8237a

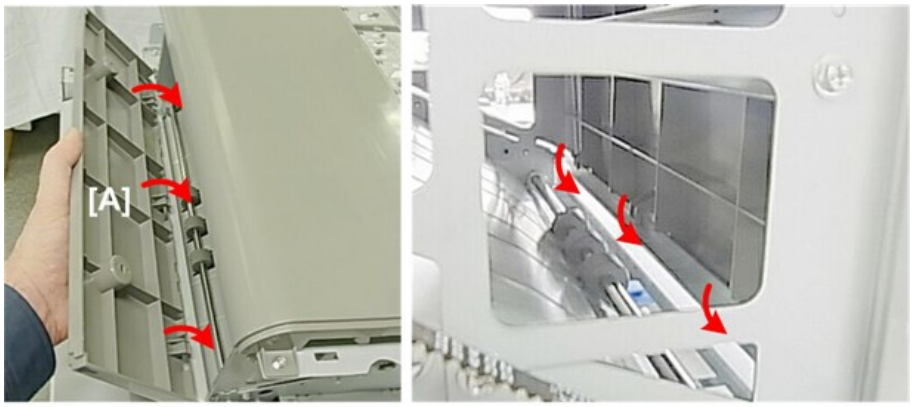
4. When you close the harnesses, make sure that the two lock bands are positioned as shown below.



d5170040

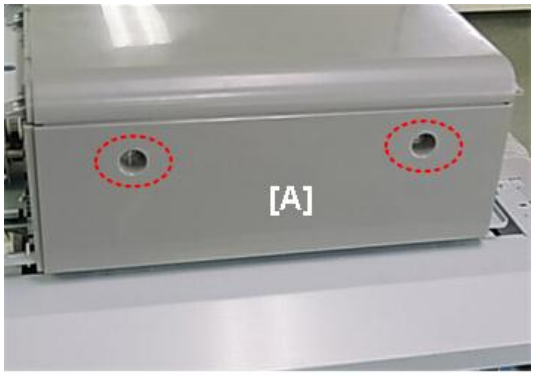
Bypass Covers

1. Set the left cover [A] provided with the Multi Bypass Tray. Make sure that the claws are set correctly in their holes.



d517i015

2. Fasten the left cover [A] (x2, M4x8). (These screws are provided with the Multi Bypass Tray.)



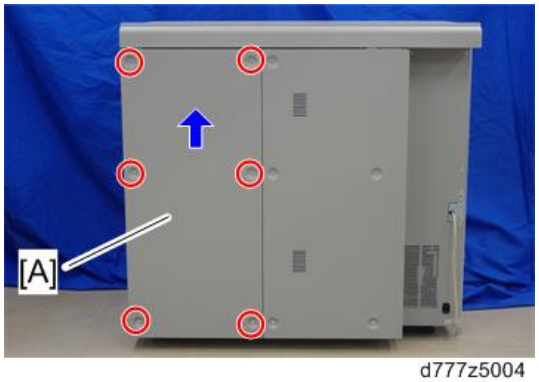
d517i016

3. Re-attach:
   - Front cover [A] (x1 M4x8)
   - Rear cover [B] (x2 M4x8)

d517i017

Installing the Motor on the Vacuum Feed LCIT

1. Lift the rear left cover [A] of the Vacuum Feed LCIT slightly and remove it (x6).

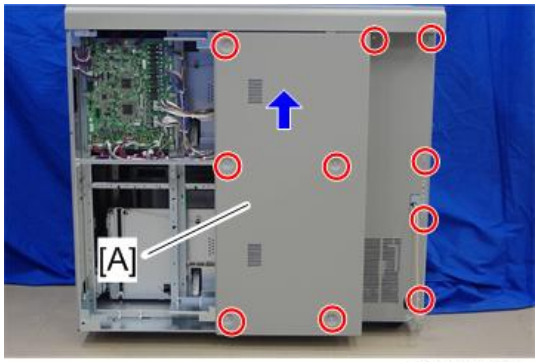


d777z5004

1. Attach the rear left cover by hanging it on the hook.

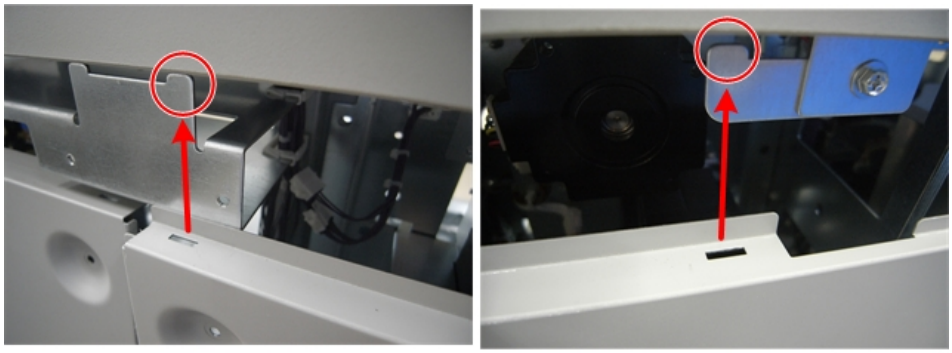
d777z0061

2. Lift the rear right cover [A] slightly and remove it (x10).



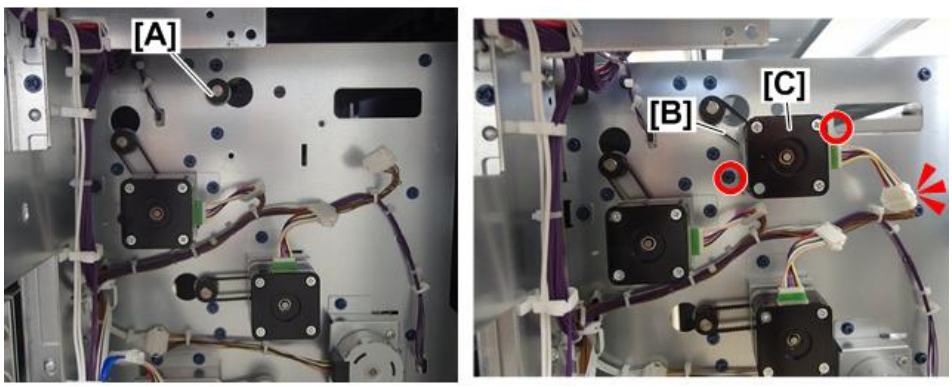
d777z5005

3. Attach the rear right cover by hanging it on the hook.



d777z0062

4. Attach the stepping motor assembly [C] while attaching the timing belt: M140 [B] to the pulley [A] and the stepping motor (x2: M4x8, x1).



d194d8202

Note

- The stepping motor assembly, timing belt: M140 and fixing screws are provided with the Multi Bypass Attachment Kit.

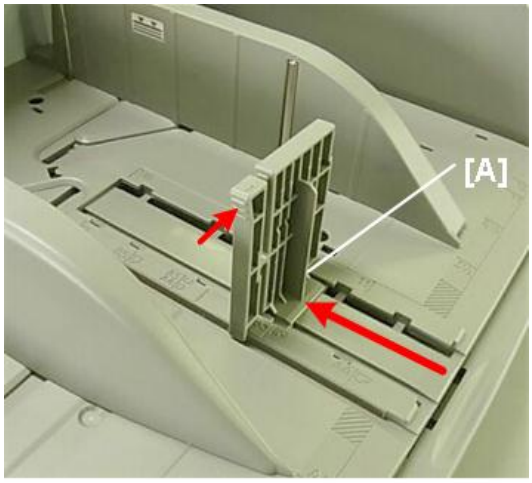
5. Re-attach the covers.

End Fence and Tab Sheet Fence

Note

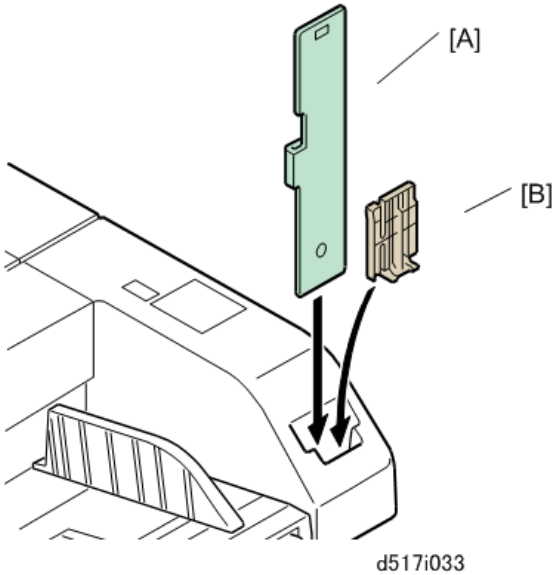
- The items in this section are bypass unit accessories.

1. Set the end fence [A].



d517i031

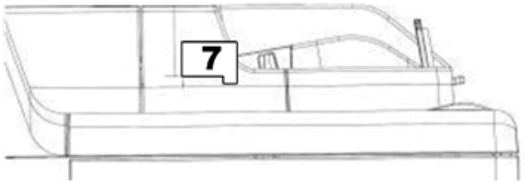
2. Store the tab sheet fence [A] as shown. Also store the end fence [B] here if the customer does not need to use it at this time.



d517i033

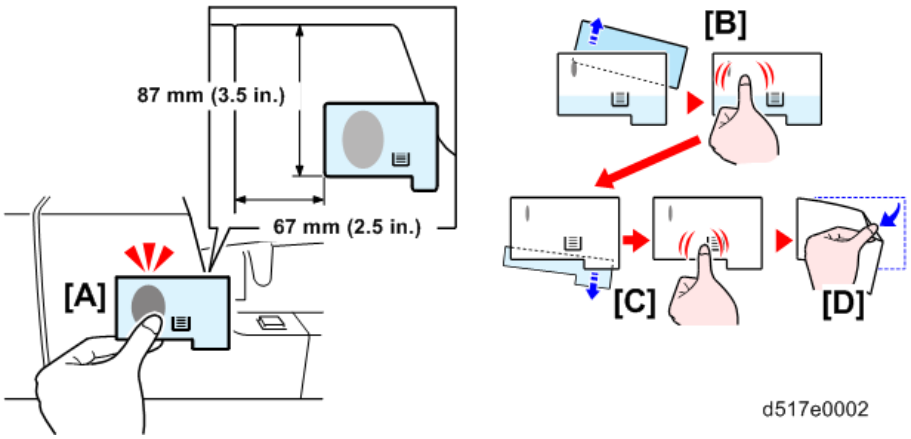
Attaching the Tray Number Decals

1. Attach the **7** decal to the front of the unit as shown below.



d517e0003

2. First, attach the **7** decal [A] at the position shown.
3. Pull the back strip [B] from behind the upper part of the decal, and then press where the strip was removed.
4. Pull the back strip [C] from behind the lower part of the decal, and then press where the strip was removed.
5. Pull the clear sheet [D] from the surface of the decal.



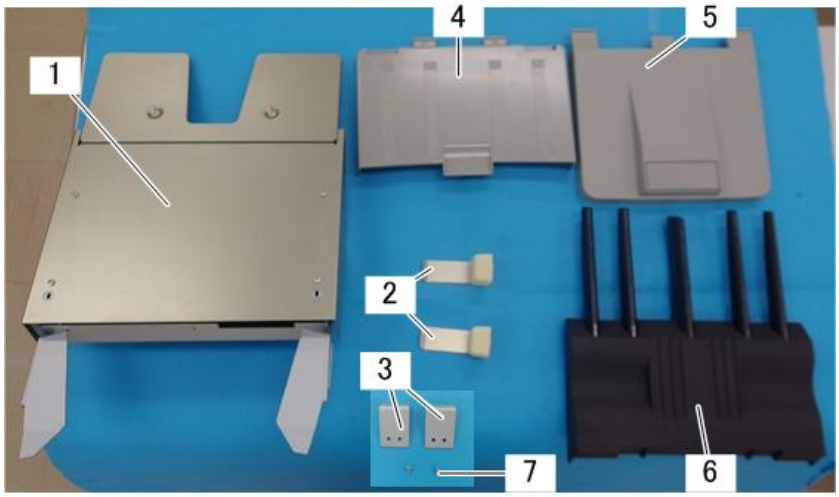
d517e0002

Docking, Height Adjustment

Follow the procedures in the Vacuum Feed LCIT installation section to complete this installation with the docking and height adjustment procedure. (Vacuum Feed LCIT RT5100)

Multi Bypass Banner Sheet Tray Type S3

Accessories



d194d8228

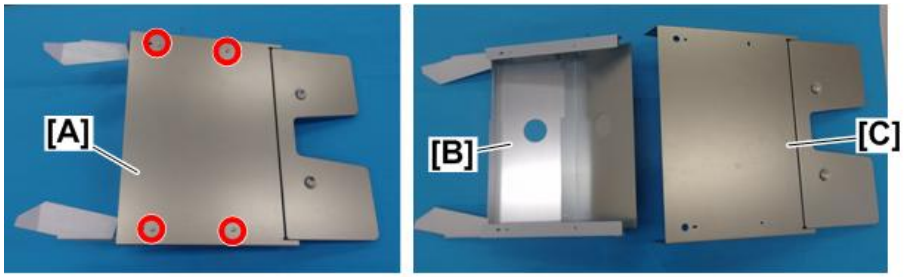
No.	Description	Q'ty
1	Banner Sheet Tray	1
2	End Fence	2
3	Joint Plate	2
4	Relay Tray	1
5	Extension Tray	1
6	Support Plate	1
7	Tapping Bind Screw: M4x6	6
-	Tapping Screw: M3x10	2

Installation

⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

1. Remove the screws from the banner sheet tray [A] and then separate the base tray [B] and cover [C] (x4).

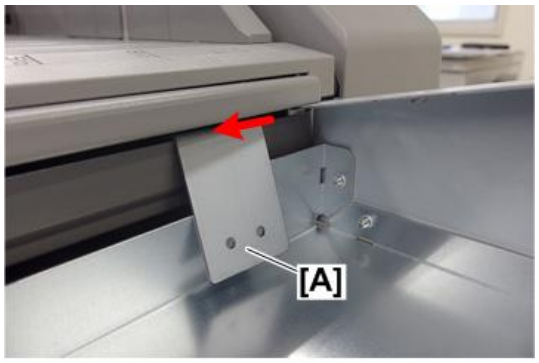


d194d8229

2. Insert the base tray [A] under the bypass tray.

d194d8230

3. Hang the two joint plates [A] (provided with this option) in the gap under the extension tray.

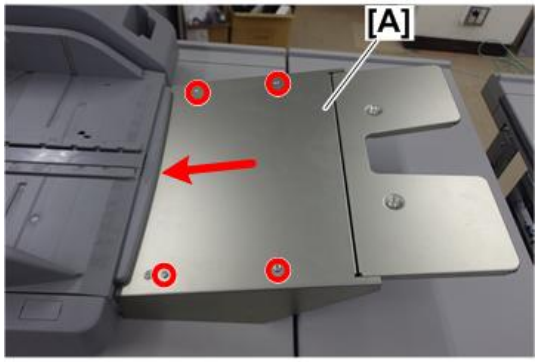


d194d8231

4. Move each joint plate [A] under the base tray edges and then fix them to the base tray (x1 each: M4x6).
   Fixing screws are provided with this option.

d194d8232

5. Insert the cover [A] separated in step 1 between the extension tray and base tray, and then fix it (x4: M4x6).
   Fixing screws are provided with this option.



d194d8233

6. Pull the extension tray [A] and then hang it on the screws as shown below.

d194d8234

7. Stand the end fences [A] (provided with this option) as shown below.
   The end fences are held to the banner sheet tray by magnets.

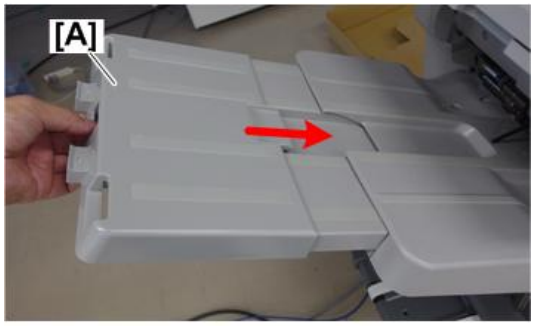
d194d8235

Attaching the Extension Tray to the Finisher

1. Pull out the extender of the finisher's shift tray.

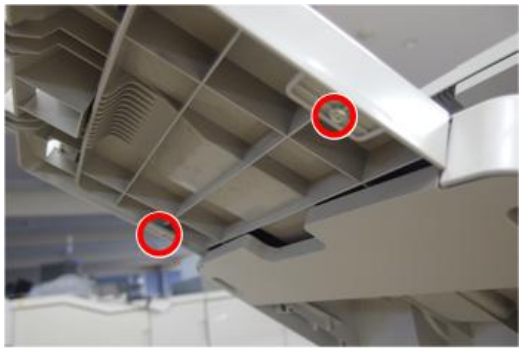
d194d9538

2. Insert the relay tray [A] provided with this option.



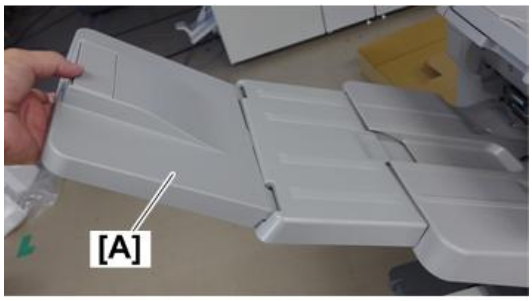
d194d9539

3. Fasten the relay tray together from the bottom with the screws provided with this option, so that it does not come apart (x2: M3x10).



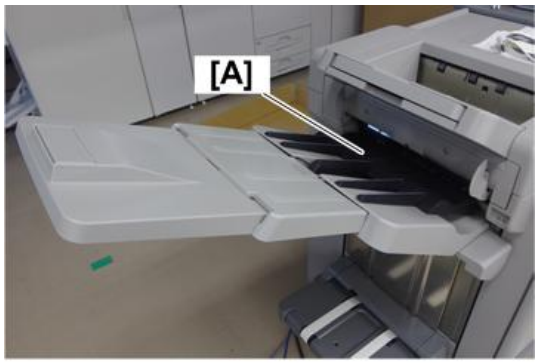
d194d9540

4. Insert the extension tray [A] provided with this option.



d194d9541

5. Use the shift tray emergency stop switch of the finisher to lower the shift tray and then attach the support plate [A] provided with this option.
   Raise the shift tray by using the shift tray emergency stop switch after attaching the support plate.



d194d9542

Note

- Insert the pins [A] of the support plate into the holes [B] in the shift tray.

d194d9567

SP Setting

After starting up the main machine, it is necessary to make sure the Multi Bypass Banner Sheet Tray is recognized by using the following SP.

1. Enter the SP mode.
2. Change SP5-150-001 from [0] to [1].
3. Exit the SP mode.
4. Restart the main machine.

LCIT RT5070

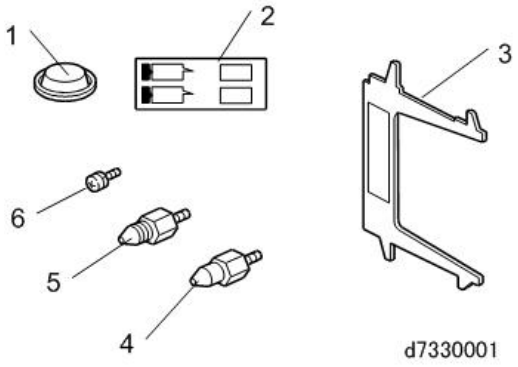
Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list:

No.	Description	Q'ty
1.	Leveling Shoes	3
2.	Decal – Paper Set	3
3.	Tab Paper End Fence	1
4	Lower Joint Pin (smooth)	1
5	Upper Joint Pins (notched)	2
6	Screw M4 x10 with lock washer	1

Note

- The tab paper end fence (3) is located in the LCIT unit, mounted on hooks behind the front door.



Installation

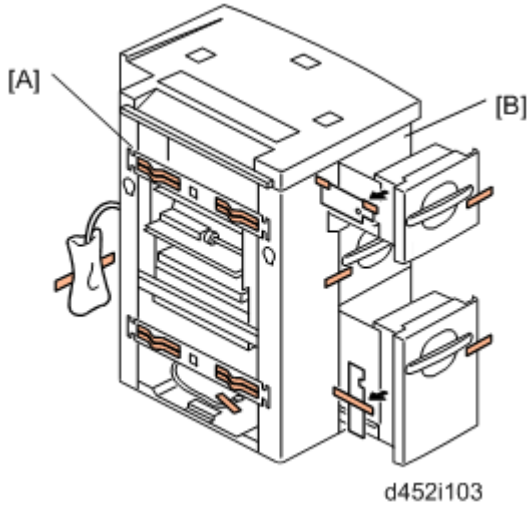
⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Tapes, Retainers

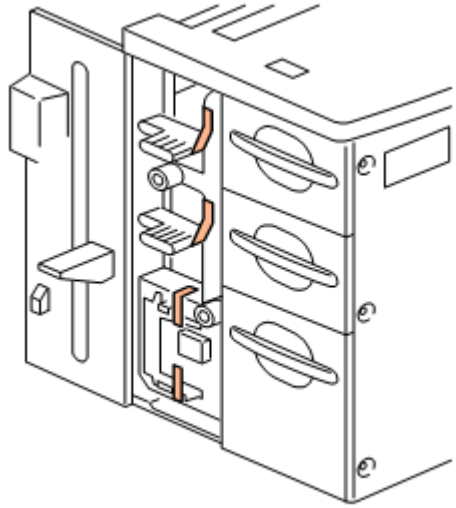
1. From the left side [A], remove the visible tape and other items.

2. At the front [B], open the trays and remove the tapes and retainers.



d452i103

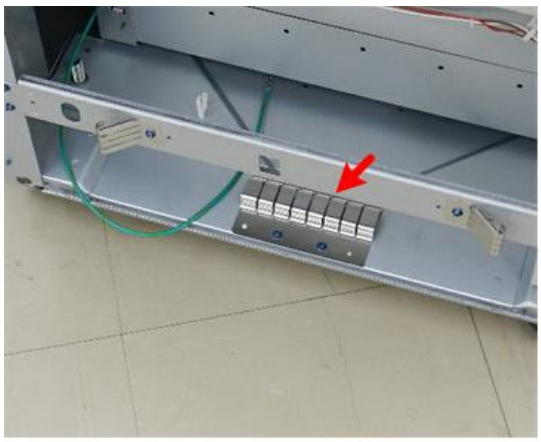
3. Open the front door and remove the tapes attached to the levers.



d452i102

Ground Plate

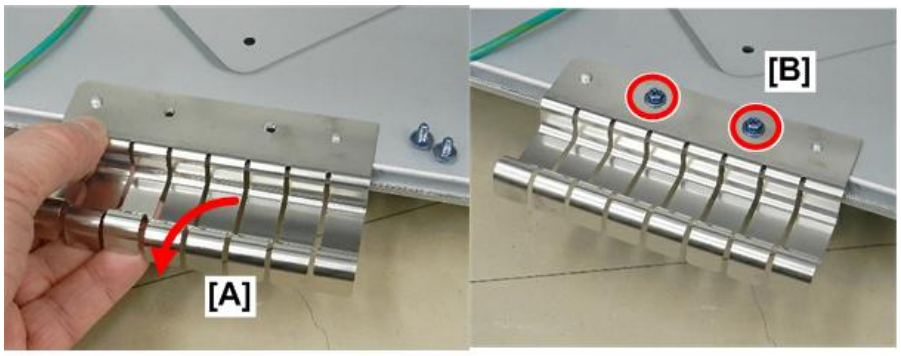
1. Locate the ground plate on the bottom left edge of the unit.



d7330002

2. Remove the ground plate [A] (x2).

3. Turn the plate over so that the tines are pointing down [B], and then attach it to the same holes with the same screws (x2).



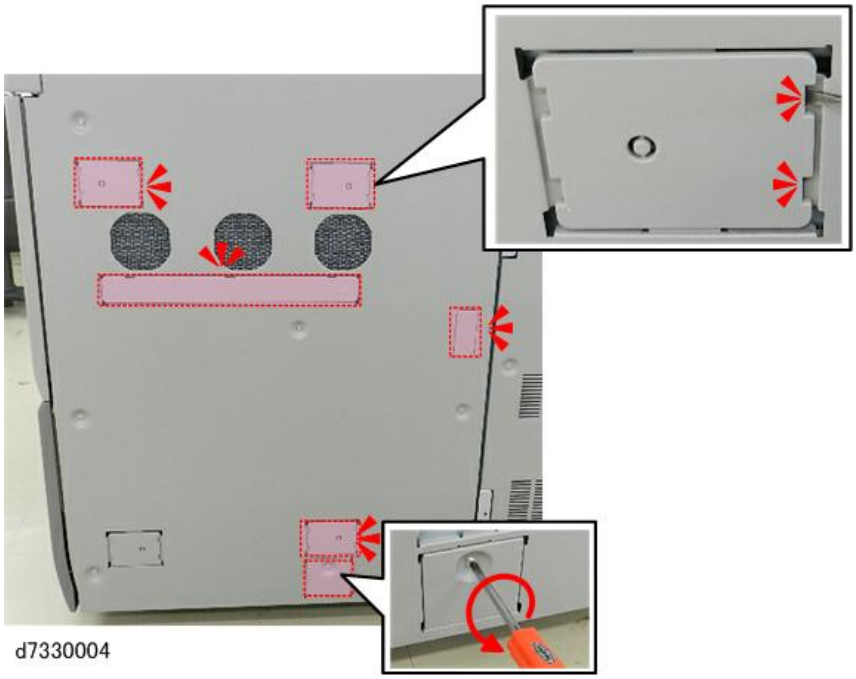
d7330003

Important

- If you are going to install the Multi Bypass Tray, the tray heaters, or both, install them now. These must be installed before the unit is docked to the main machine.

Docking to the Main Machine

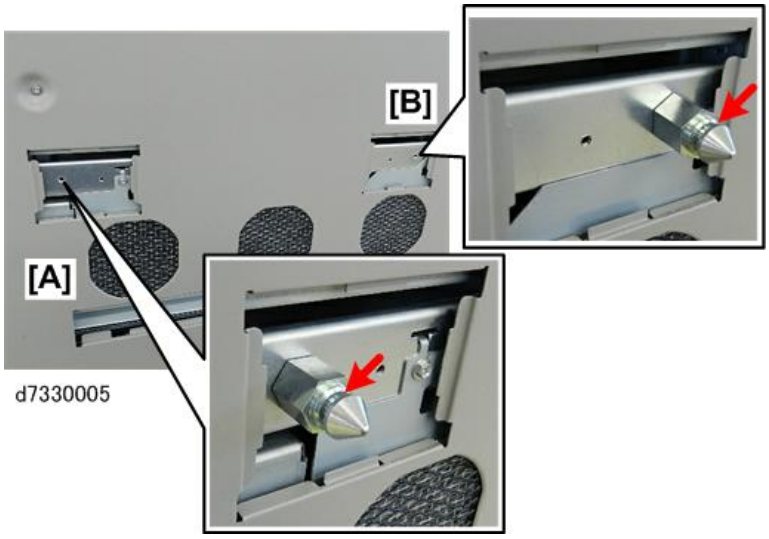
1. Remove six plates on the right side of the main machine (x all, x1)



d7330004

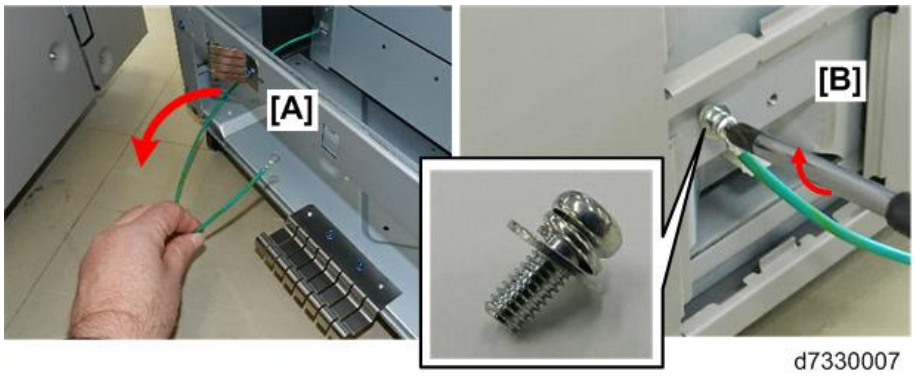
2. There are two **notched** joint pins with the accessories.
3. Attach one notched pin on the right side of the main machine at the rear [A], and the other notched pin at the

front [B].



4. Attach the smooth joint pin to the right rear edge [A] of the machine.
   - There is only one smooth joint pin.
   - The smooth pin must be attached at [A].

5. Push the unit close to the side of the main machine.
6. Pull the ground wire [A] out of the unit.
7. Use the accessory screw to fasten the ground wire [B] to the left bottom edge of the main machine.

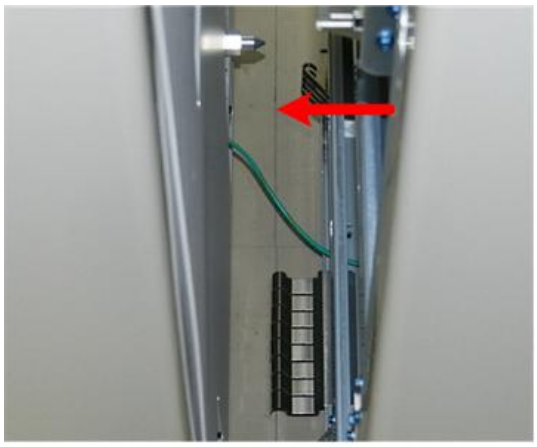


Important

- Remember to always disconnect the ground wire before pulling the unit away from the main

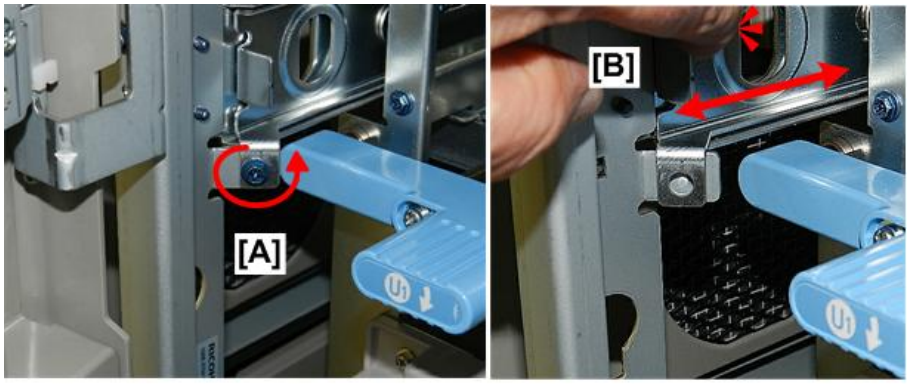
machine.

8. Align the unit with the right side of the main machine.
9. Push the unit toward the right side of the main unit until they are about 15 cm (6 in.) apart.



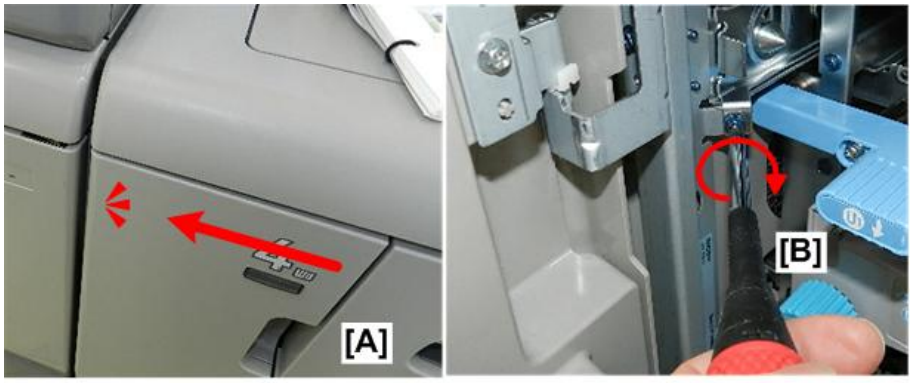
d7330008

10. Open the front door of the unit.
11. Remove screw [A] (x1).
12. Pull the spring-loaded lock lever [B] forward and release it to make sure that it is free and moves easily.



d7330009

13. Slowly, push the unit [A] onto the right side of the main machine. You should hear two clicks as the lock lever connects with the two upper joint pins.
14. Behind the door, re-attach screw [B] to fasten the lock lever.



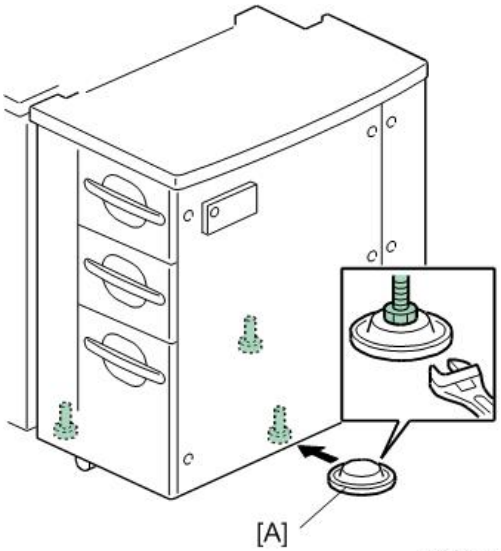
d7330010

15. At the rear, attach the unit I/F connector to the side of the main machine.

d7330012

Height Adjustment

1. Set the leveling shoes [A].



d7330011

2. Adjust the height of the unit and make sure that it is level.

Tray Heaters

Accessories

Check the accessories against the list below.

No.	Description	Qty
1	PTC Heater	1
2	Heater Relay Harness	1
3	Heater Cover	2
4	Screws M4x8	7
5	Saddle Clamps	2
6	Harness Clamps	2

Installation

⚠CAUTION

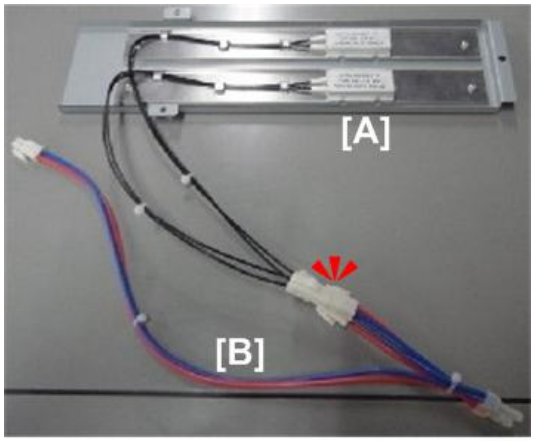
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

1. If the LCT is already installed, disconnect it and pull it away from the side of the machine.
   - Lock lever (x1)
   - Interface cable (x1
   - Ground screw (x1)
2. Remove the screws from the right cover of the LCIT (x6).
3. Hold the bottom of the right cover, push it to the left to disconnect the hooks at the top edge of the cover, and

pull it away.

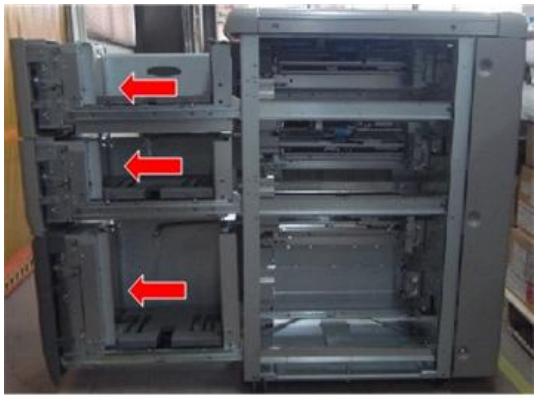
d4530004

4. Connect the heater assembly [A] and the cable [B] (x1).



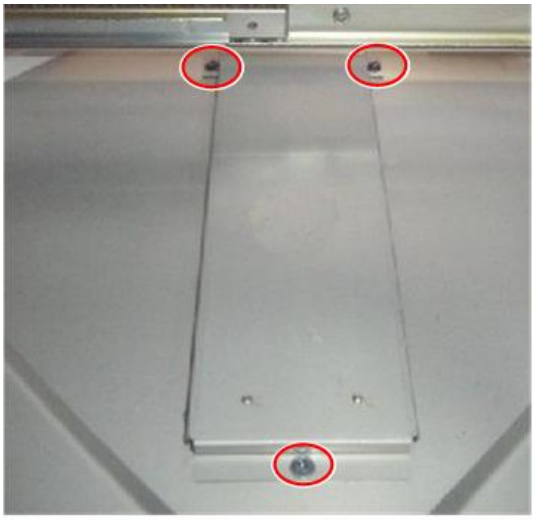
d7320041

5. Pull out each tray until it stops. You do not need to remove them.



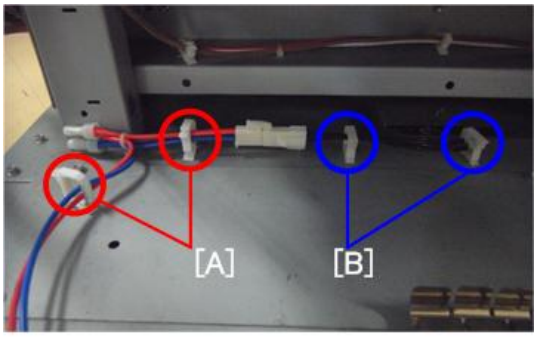
d7320042

6. Attach the heater assembly to the bottom plate of the LCT (x3).



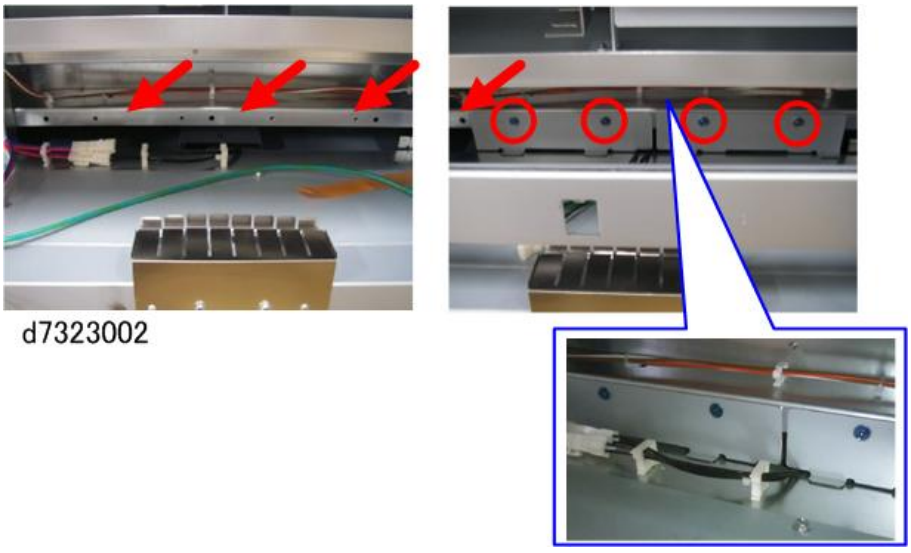
d7320043

7. Attach the clamp [A] and the saddle clamp [B], and then close the clamps around the harness (x4).
8. Re-attach the right cover (x6).



d7323001

9. Attach the two heater covers at the bottom of the LCT (x4).

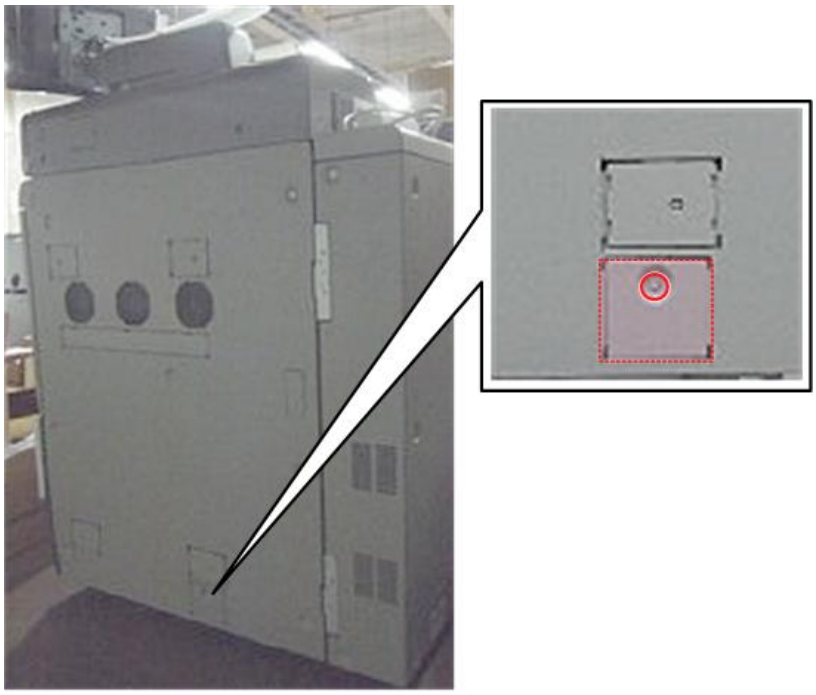


d7323002

⚠CAUTION

- The heater harnesses must pass between the two covers.
- Make sure that the harnesses are not pinched between the covers.

10. Remove the connector plate from the bottom edge of the main machine (x1).



d7320046

11. Push the LCT close to the main machine.
12. Re-connect the green ground wire (x1).
13. Connect the heater cable (x1).

d7320047

Important

- Confirm that the relay harness and the ground wire are not pinched between the mainframe and the LCIT.

Moving the LCT

Always follow this procedure before moving the LCT.

Important

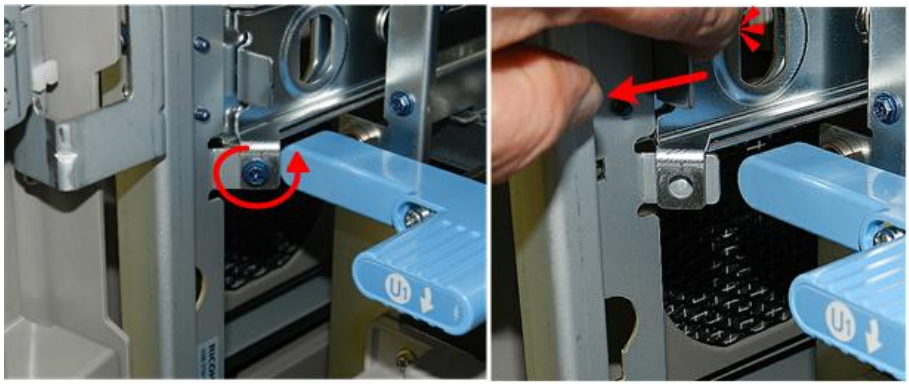
- To prevent damage to the ground wire (and the heater connector if the heater is installed), never attempt to move or change the position of the main machine with the LCT connected to the right side of the

machine.

1. At the rear, disconnect the unit I/F connector.

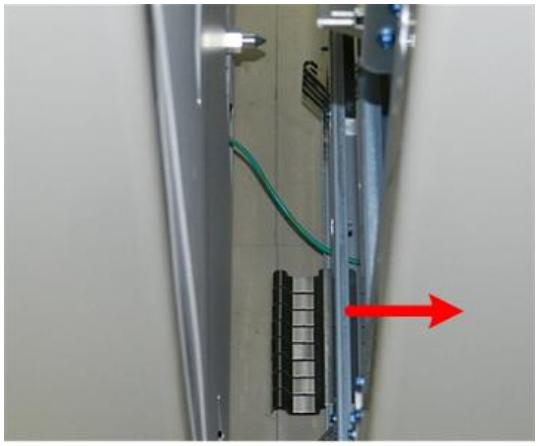
d7330014

2. Open the front door of the unit.
3. Remove the screw (x1).
4. Pull the spring-loaded lock lever forward to separate it from the joint pins on the side of the main machine.



d7330015

5. Slowly, pull the LCT a short distance away from the machine.



d7330016

6. Disconnect the ground wire (x1).

d7330017

7. Disconnect the heater connector, if the heaters (optional) have been installed (x1).
8. Pull the LCT away from the side of the main machine.

LCIT RT5080

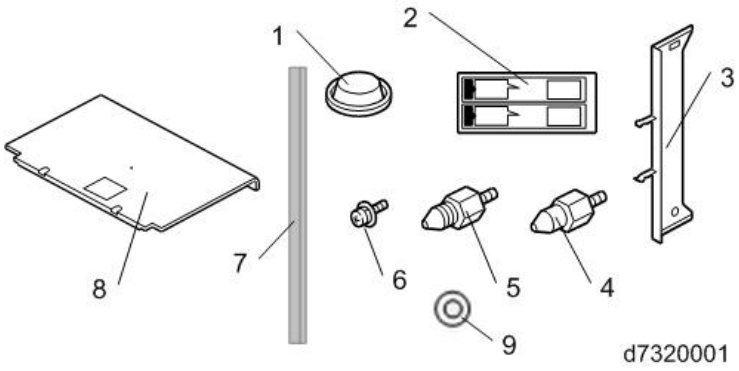
Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1	Leveling Shoes	4
2	Decals - Paper Set	3
3	Tab Fence	1
4	Lower Joint Pins (Smooth)	1
5	Upper Joint Pins (Grooved)	2
6	Screws M4 x 10 with Lock Washer	1
7	Sponge Strip	1
8	Right Middle Cover	1
9	Flat Washer	1

Note

- Item 8 is required for installation of the Multi Bypass Unit BY5010 only



Installation

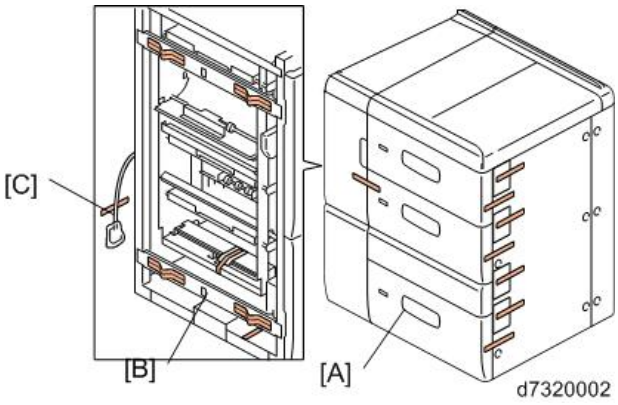
⚠CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedures.

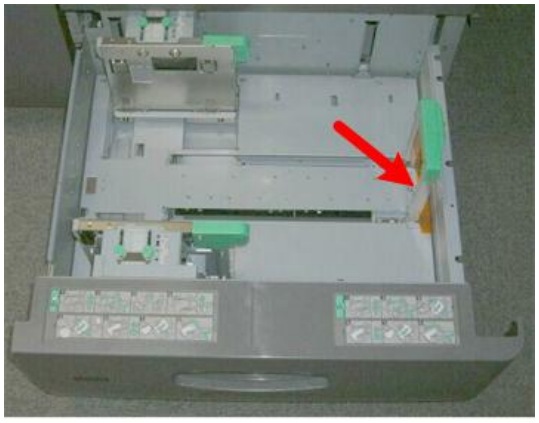
Tapes, Retainers

1. At the front [A] and right, remove all visible tapes.
2. On the left [B], remove visible tapes.

3. Remove the tape and cover from the I/F connector [C].



4. Open each drawer and remove the tape.

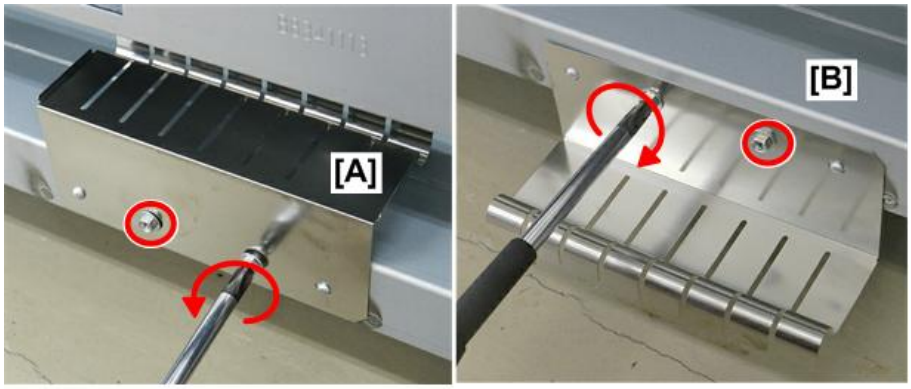


Ground Plate

1. Locate the ground plate on the bottom left edge of the unit.

2. Remove the ground plate [A] (x2).
3. Turn the plate over so that the tines are pointing down [B], and then attach it to the same holes with the same

screws (x2).



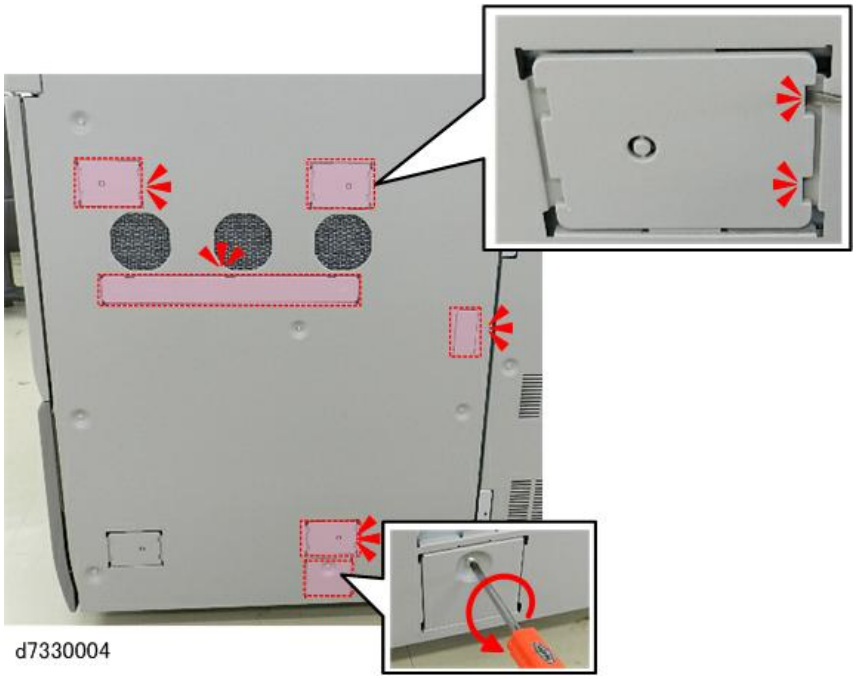
d7320005

Important

- If you are going to install the Multi Bypass Tray, the tray heaters, or both, install them now. These must be installed before the unit is docked to the main machine.

Docking to the Main Machine

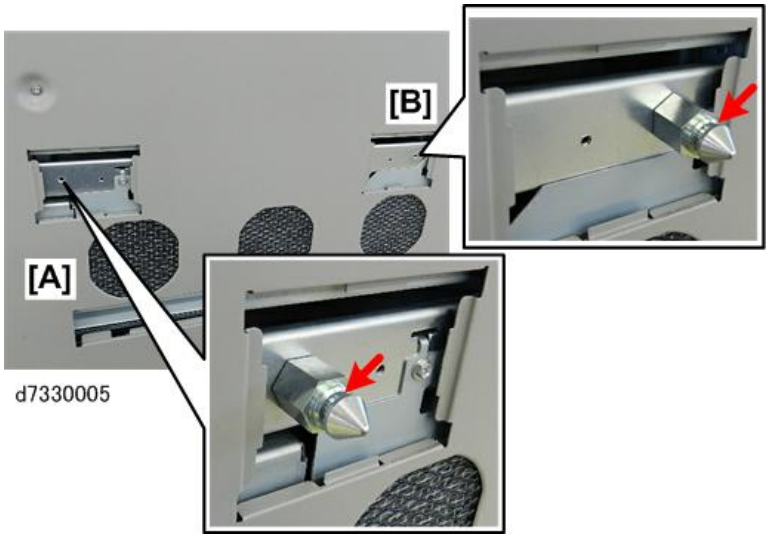
1. Remove all plates on the right side of the main machine (x all, x1).



d7330004

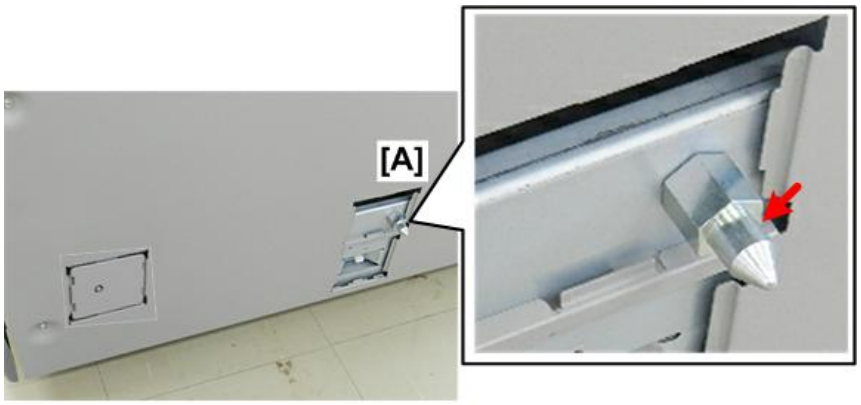
2. There are two **notched** joint pins with the accessories.
3. Attach one notched pin on the right side of the main machine at the rear [A], and the other notched pin at the

front [B].



d7330005

4. Attach the smooth joint pin to the right rear side [A] of the machine.
   - There is only one smooth joint pin.
   - The smooth pin must be attached at [A].



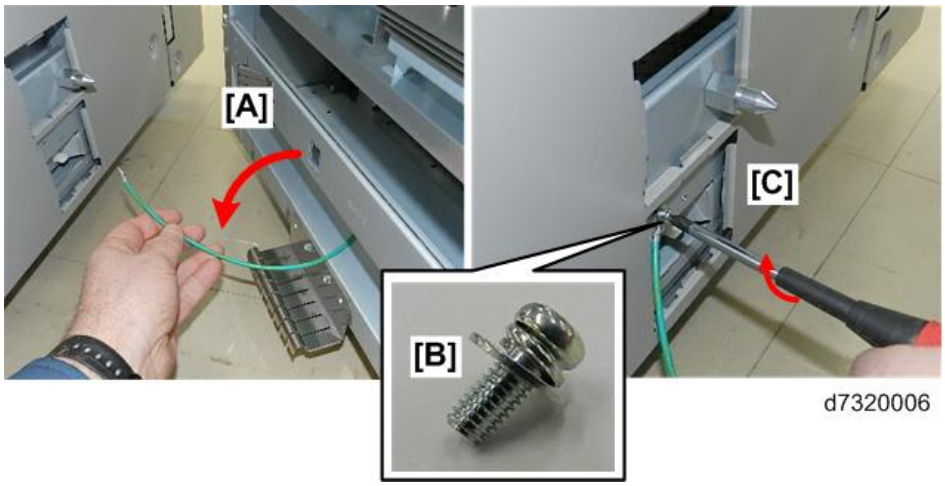
d7330006

5. Peel the tape from the back of the sponge strip.
6. Attach the sponge strip to the top left edge of the unit.

d7330013

7. Push the unit close to the side of the main machine.
8. Pull the ground wire [A] out of the unit.

9. Use the accessory screw and flat washer [B] to fasten the ground wire to the left bottom edge of the main machine at [C].

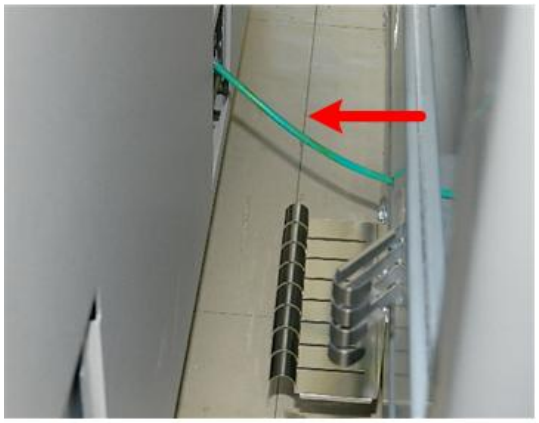


d7320006

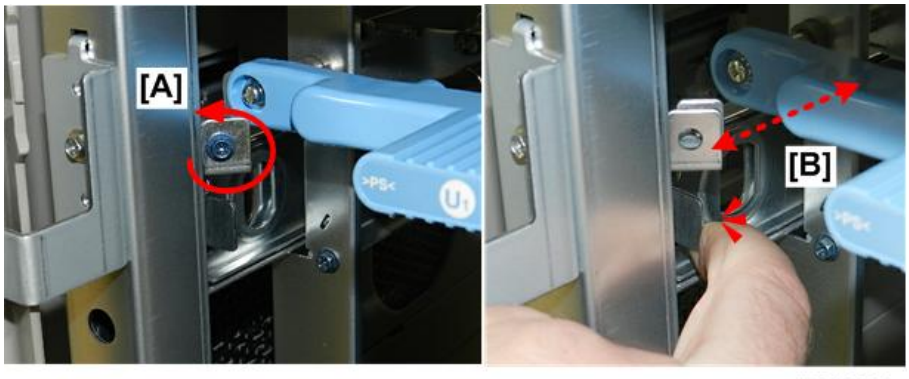
Important

- Remember to always disconnect the ground wire before pulling the unit away from the main machine.

10. Align the unit with the right side of the main machine.
11. Push the unit toward the right side of the main unit until they are about 15 cm (6 in.) apart.


d7320007

12. Open the front door of the unit.
13. Remove the screw [A] (x1).
14. Pull the spring-loaded lock lever [B] forward and release it to make sure that it is free and moves easily.



d7320008

15. Slowly, push the unit [A] against the right side of the main machine. You should hear two clicks as the lock lever connects with the two upper joint pins.
16. Behind the door, re-attach the screw [B] to fasten the lock lever.

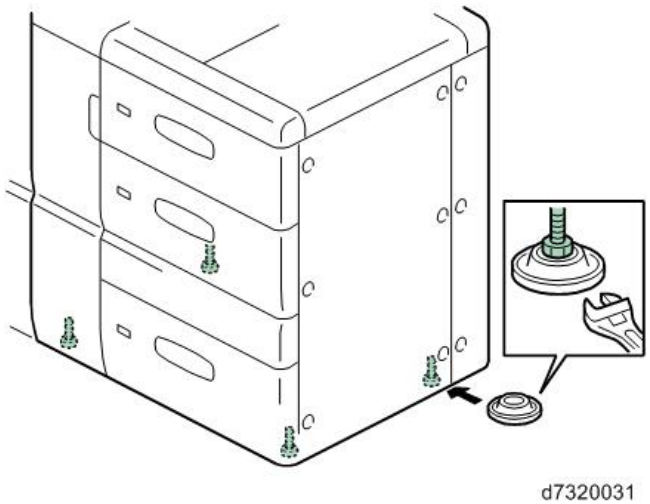
d7320009

17. At the rear, attach the unit I/F connector to the side of the main machine.

d7330012

Height Adjustment

1. Set the leveling shoes.
2. Adjust the height of the unit and make sure that it is level.

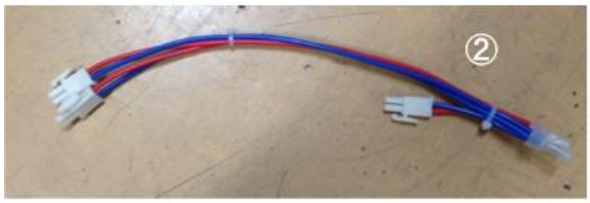


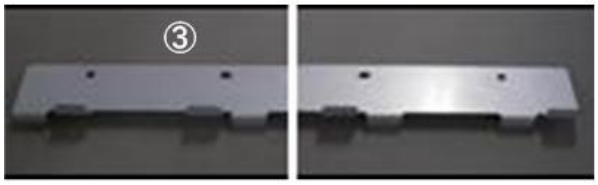
d7320031

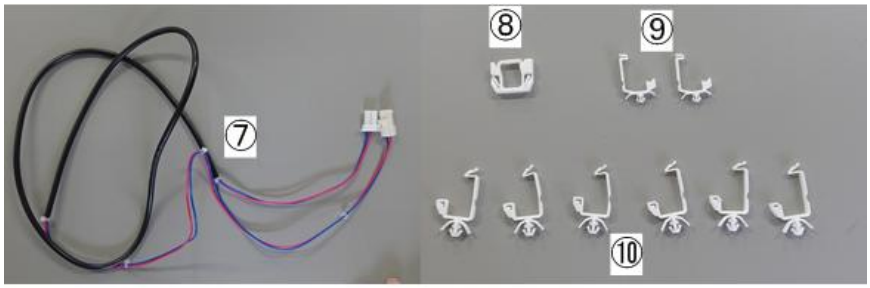
Tray Heaters

Accessories

Check the accessories against the list below.







m263d8104

No.	Description	Qty
1	PTC Heater	1
2	Heater Relay Harness (short)	1
3	Heater Cover	2
4	Screws M4x8	7
5	Saddle Clamps	2
6	Harness Clamps	2
7	Heater Relay Harness (long)	1
8	Saddle Clamp	1
9	Harness Clamp (small base)	2
10	Harness Clamp (large base)	6
	Items 7 to 10 are required when the Bridge Unit BU5010 is used.	

Installation (A3 LCT to Main Machine)

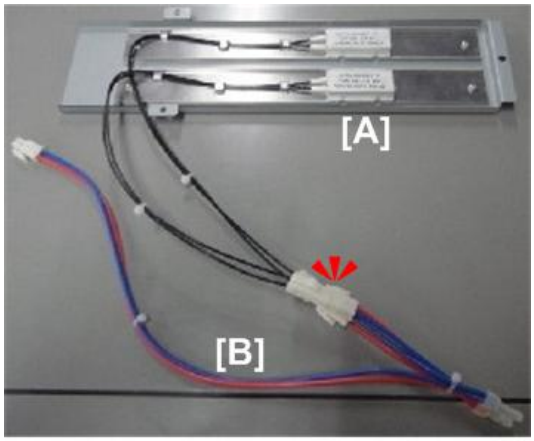
⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

1. If the A3 LCT is already installed, disconnect it and pull it away from the side of the machine.
   - Lock lever (x1)
   - Interface cable (x1
   - Ground screw (x1)
2. Remove the screws from the right cover of the A3 LCT (x6).
3. Hold the bottom of the right cover, push it to the left to disconnect the hooks at the top edge of the cover, and pull it away.

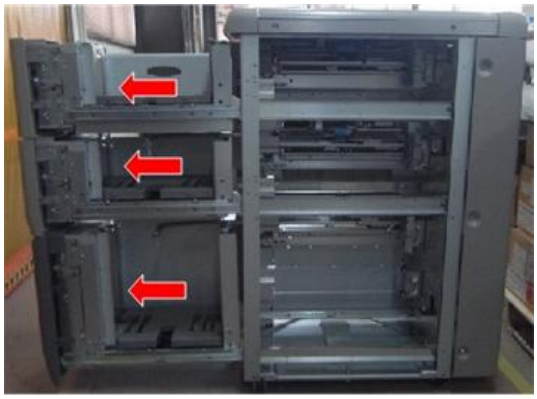
d4530004

4. Connect the heater assembly [A] and the cable [B] (x1).



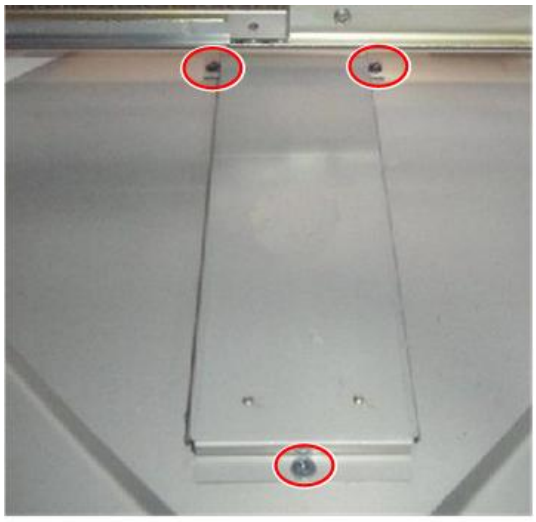
d7320041

5. Pull out each tray until it stops. You do not need to remove them.



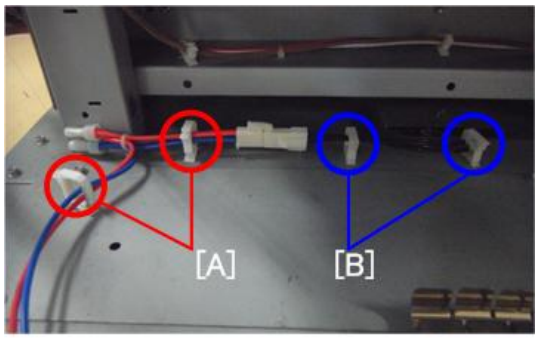
d7320042

6. Attach the heater assembly to the bottom plate of the LCT (x3).



d7320043

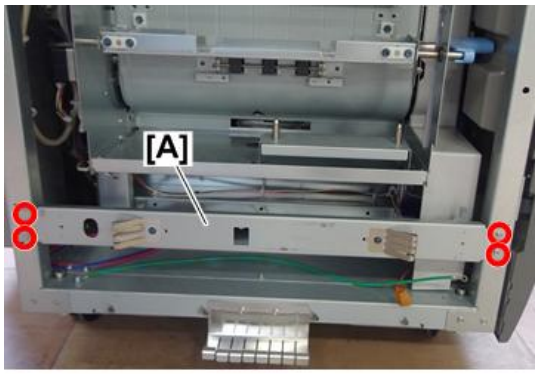
7. Attach the clamp [A] and the saddle clamp [B], and then close the clamps around the harness (x4).



d7323001

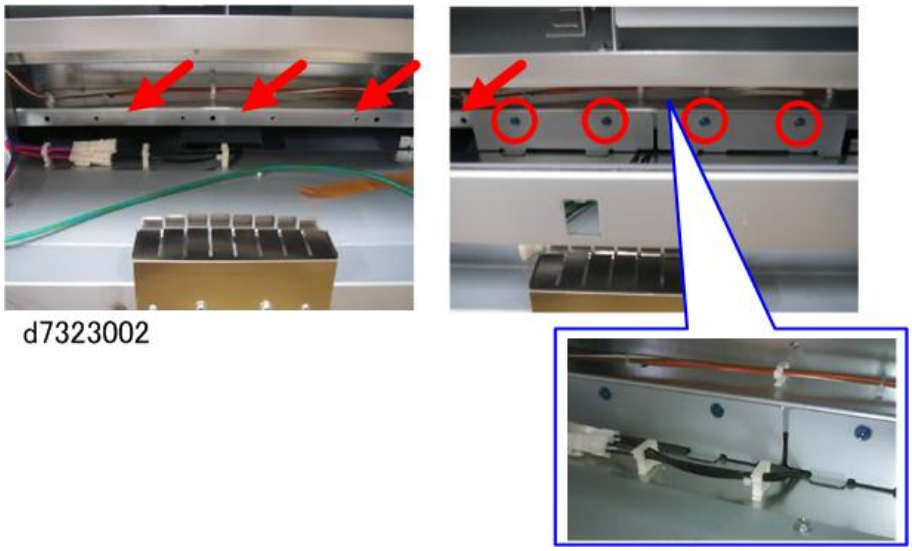
8. Re-attach the right cover (x6).

9. Remove the left stay [A] from the A3 LCT (x4).



m263d8106

10. Attach the two heater covers at the bottom left of the A3 LCT (x4).



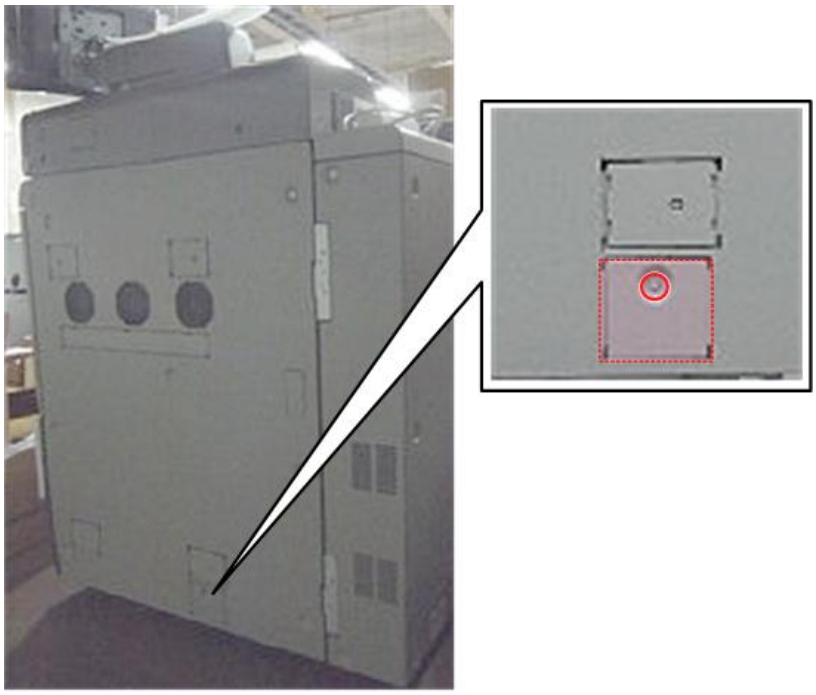
d7323002

CAUTION

- The heater harnesses must pass between the two covers.
- Make sure that the harnesses are not pinched between the covers.

11. Re-attach the stay to the bottom left of the A3 LCT (x4).

12. Remove the connector plate from the bottom edge of the main machine (x1).



d7320046

13. Push the LCT close to the main machine.
14. Re-connect the green ground wire (x1).
15. Connect the heater cable (x1).

d7320047

Important

- Confirm that the relay harness and the ground wire are not pinched between the mainframe and the A3 LCT.

Installation (With Bridge Unit)

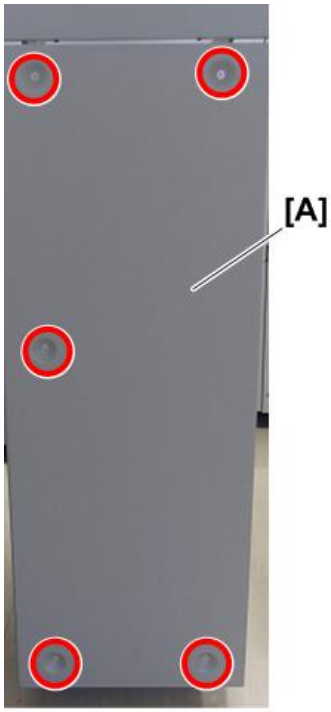
⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Important

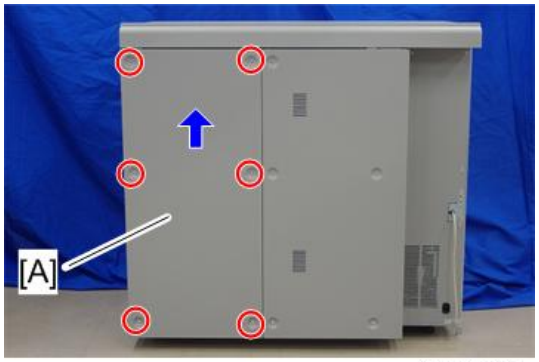
- In order to use a second LCIT unit with this system, you will need to upload another software program into the machine firmware before connecting the second unit. For more details, contact your supervisor.

1. Separate the A3 LCT from the Bridge Unit.
2. Disconnect the rear cover [A] of the Bridge Unit (x5),.



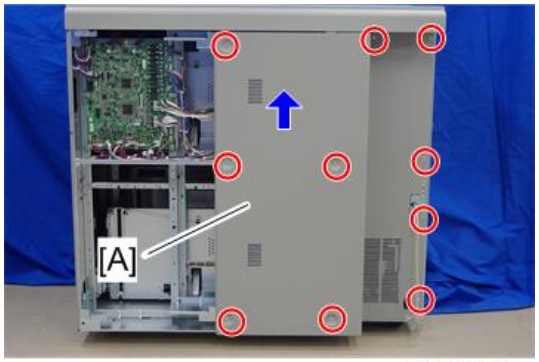
d194d9177

3. Disconnect the right rear cover [A] of the Bridge Unit, raise it slightly, and then remove it (x6).



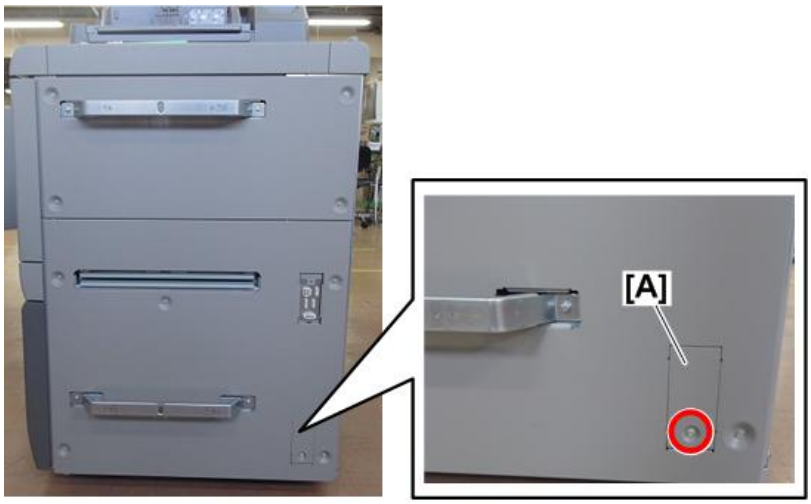
d777z5004

4. Disconnect the right left rear cover [A] of the Bridge Unit, raise it slightly, and then remove it (x6).



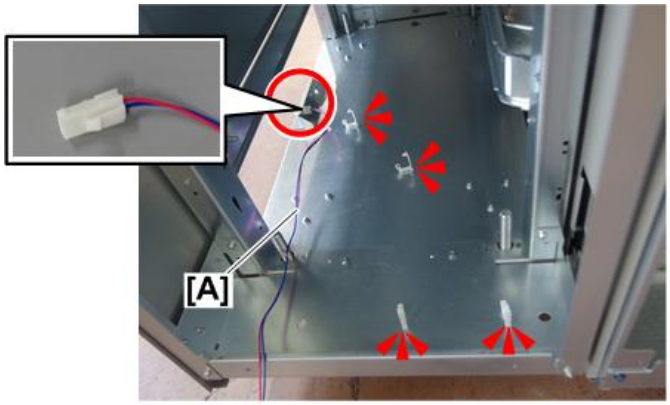
d777z5005

5. On the right side of the A3 LCT, remove the cover plate [A] at the lower right corner (x1).



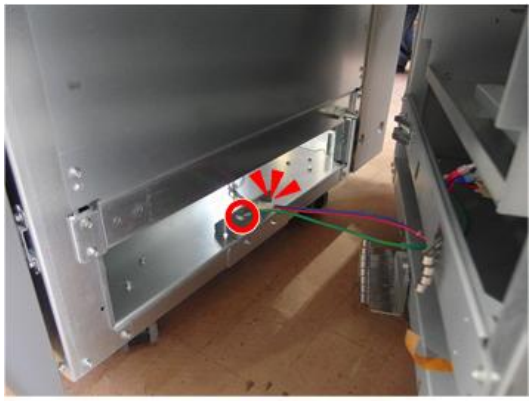
m263d8105

6. Push the bridge unit against the side of the A3 LCT.
7. Insert the connector of the relay harness [A] into the bracket connection of the Bridge Unit.
8. Set the harness clamps as shown (x4).



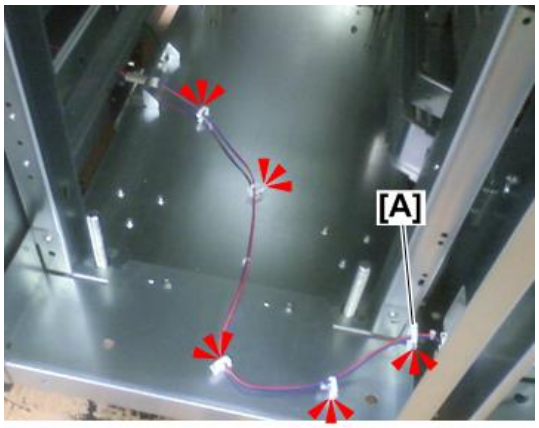
m263d8107

9. Connect the heater harness from the A3 LCT to the end of the connector installed in the previous step.



m263d8108

10. Set the saddle connector [A], and then set the harness clamps as shown (x5).



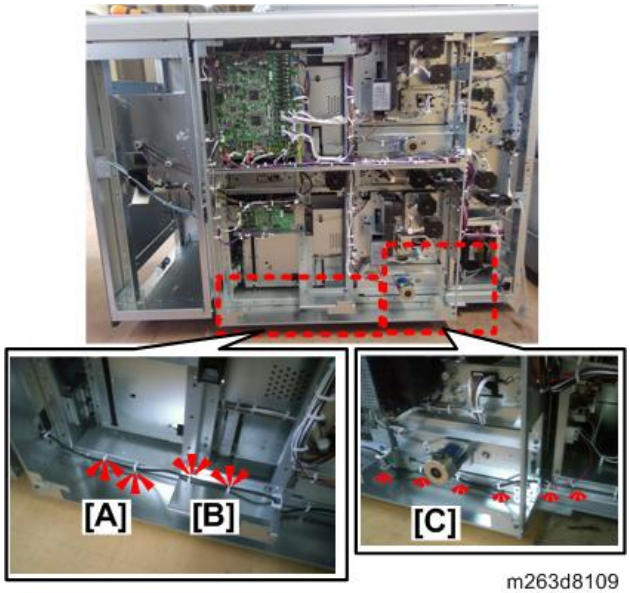
m263d8111

11. Set the harness clamps and route the harness on the left.

Note

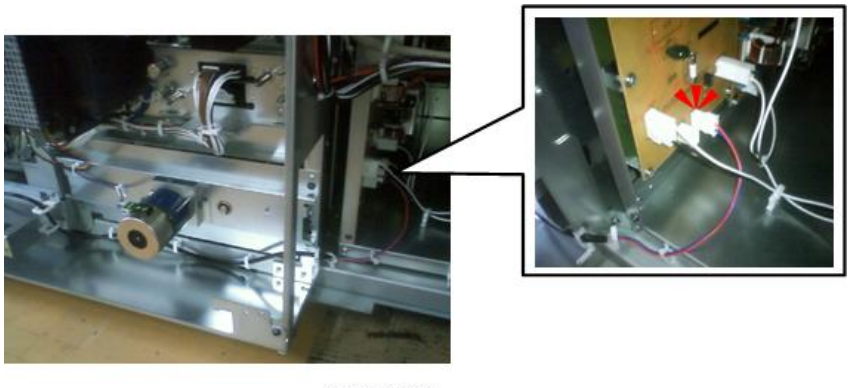
- The bases of the clamps [A] and [B] are different sizes, so match the size of the base with the holes.

12. Route the harness to the right [C] using the harness clamps provided.



m263d8109

13. Connect the harness to the AC drive board.



m263d8110

14. Re-attach the removed covers.

Moving the LCT

Always follow this procedure before moving the LCT.

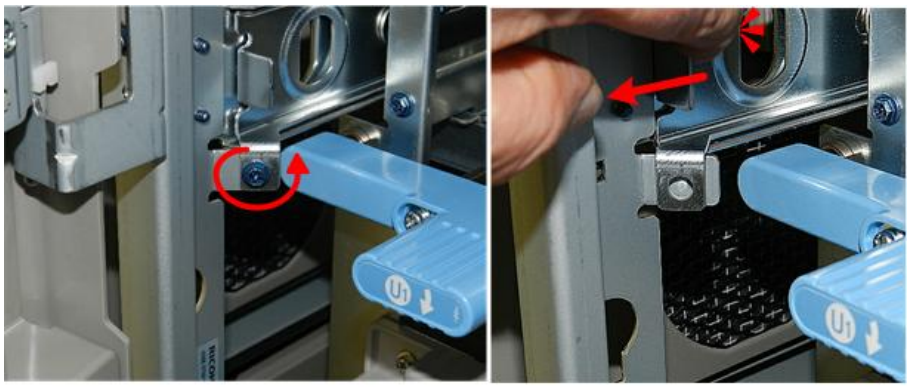
Important

- To prevent damage to the ground wire (and the heater connector if the heater is installed), never attempt to move or change the position of the main machine with the LCT connected to the right side of the machine.

1. At the rear, disconnect the unit I/F connector.

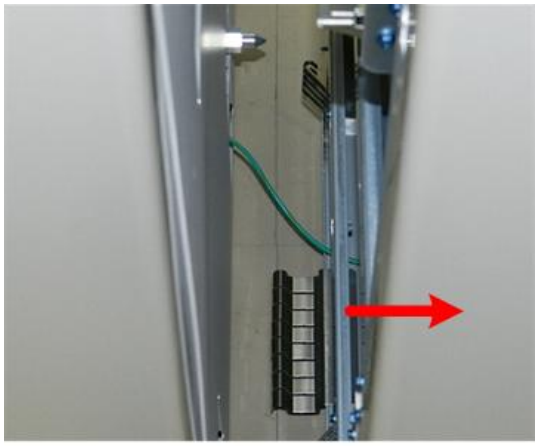
d7330014

2. Open the front door of the unit.
3. Remove the screw (x1).
4. Pull the spring-loaded lock lever forward to separate it from the joint pins on the side of the main machine.



d7330015

5. Slowly, pull the LCT a short distance away from the machine.



d7330016

6. Disconnect the ground wire (x1).
7. Disconnect the heater connector, if the heaters (optional) have been installed (x1).

d7330017

8. Pull the LCT away from the side of the main machine.

Vacuum Feed LCIT RT5100

Accessories

Important

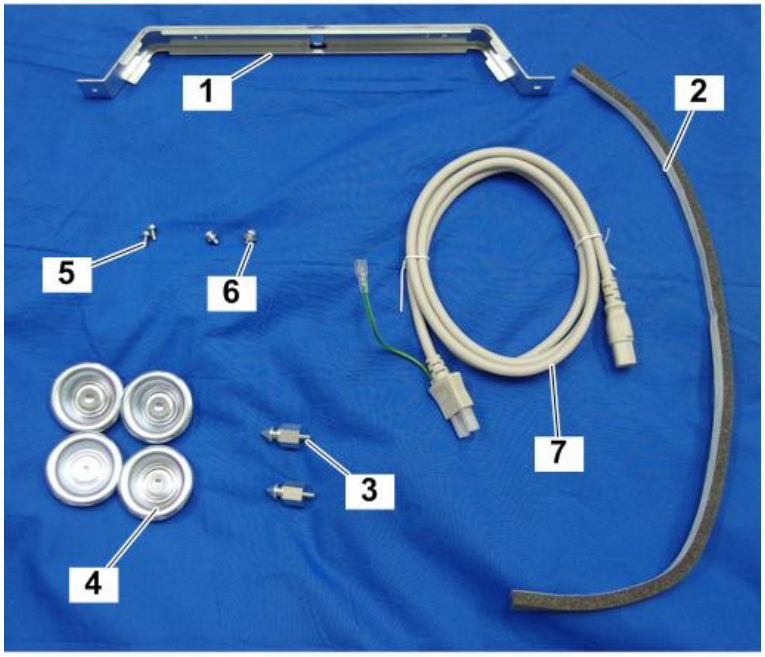
Up to two LCIT units can be installed in the same line.

If more than one unit is going to be installed, make sure that the software versions for the units are the same. If a unit is being added and the versions are not the same, then the software versions must be updated to the same version for both units.

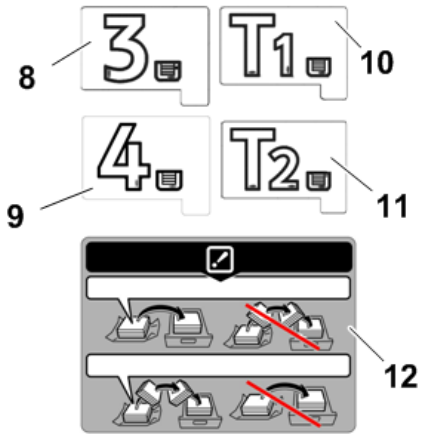
No.	Description	Q'ty
1	Joint Bracket	1
2	Cushion	1
3	Joint Pins	2
4	Leveling Shoes	4
5	Tapping Screw : 4x10	2
6	Screw: Polished Round/Spring: M5x10	2
7	Power Cord	1
8	Decal- Paper Tray [3] (Not Used)	1
9	Decal- Paper Tray [4] (Not Used)	1
10	Decal- Paper Tray [T1]	1
11	Decal- Paper Tray [T2]	1
12	Decal: Paper Set Direction	2
-	Pan head screws, with washers	2
-	Connection Bracket Plates	8
-	Duct Blower Seals	4
-	Filter Covers	2

Note

- An optional tray heater can be installed under paper feed tray 2.



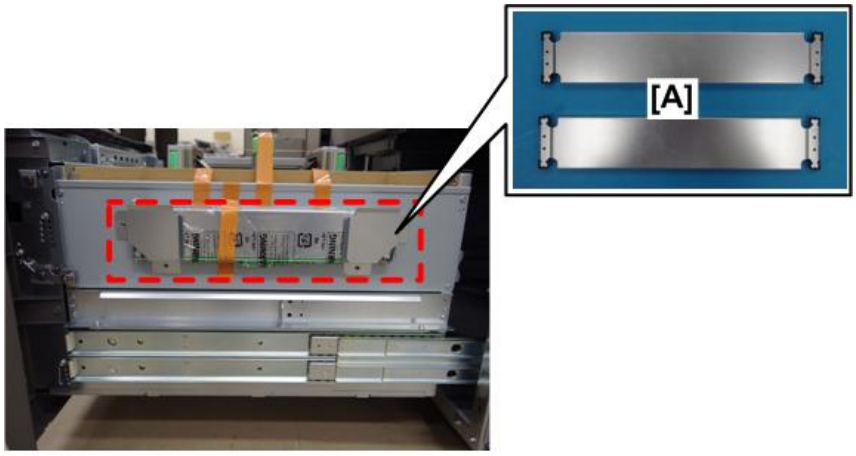
d194d9164



d194d9165

Note

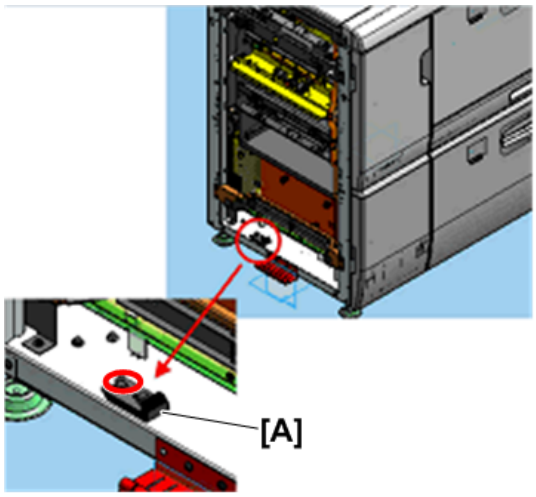
- Support plate [A] is packed with the paper feed tray.



d194d9543

The support bracket [A] is needed to correct paper skew from the LCIT.

1. Use the screws provided with the plates to attach the plates to the frame of the LCIT at [A].
2. Remove the plates when you need to correct paper skew, and then re-attach them when you are finished.



d270d2125

Installation

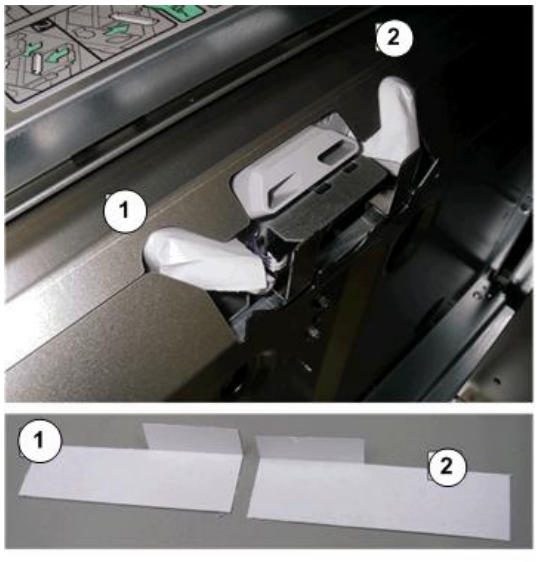
⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

Note

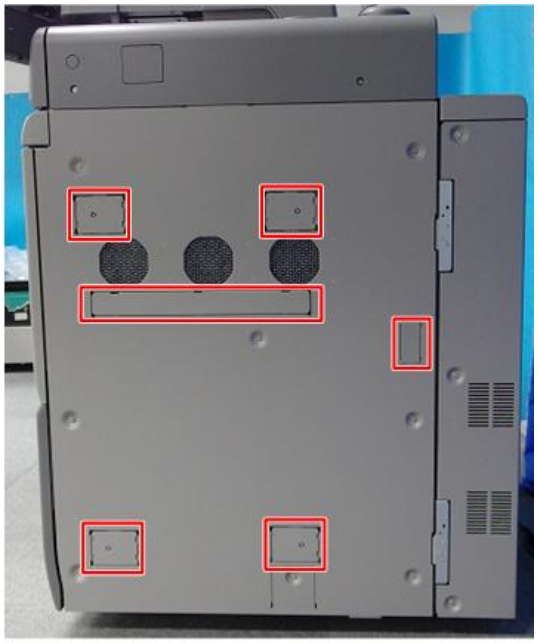
- This is the procedure for installing the vacuum feed LCIT to the right of the main machine. The procedure for installing it to the right of the bridge unit BU5010 is the same as this procedure.

1. Remove all visible external tapes on the external surfaces of the vacuum feed LCIT.
2. Pull paper trays 1 and 2, and then remove the shipping materials ①, ②.



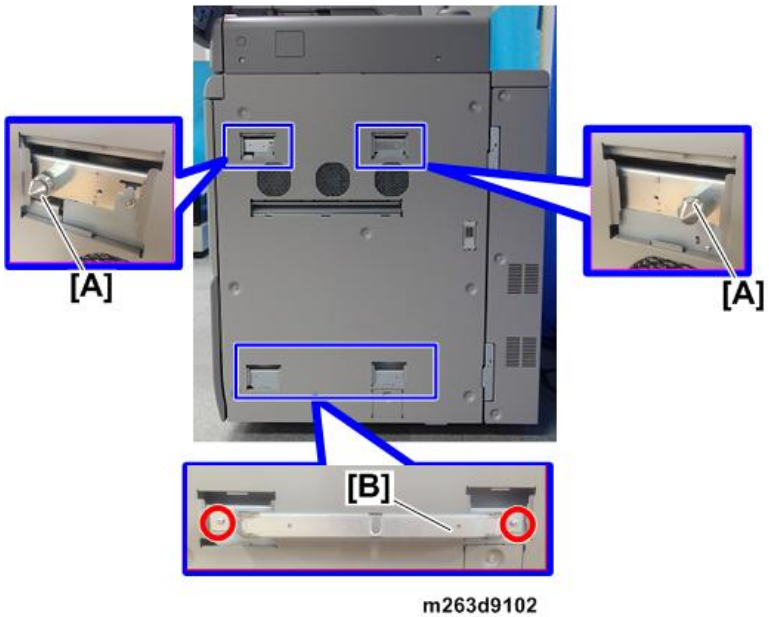
d194d9179

3. Remove six plates shown below on the right side of the main machine.



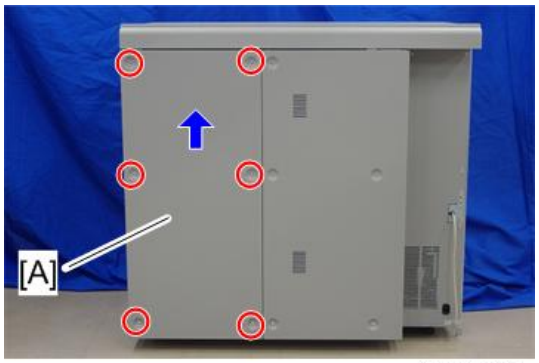
m263d9101

4. Attach the joint pins [A] and joint bracket [B] to the main machine (x2: M5x10).
   - Tighten the joint pins [A] with a wrench.
   - Fix the joint bracket [B] with the M5x10 screws provided with this option.



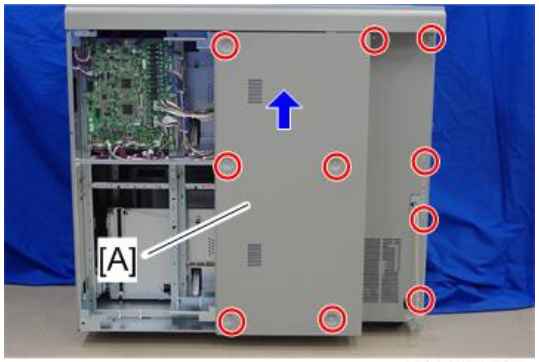
m263d9102

5. Lift the rear right cover [A] of the vacuum feed LCIT slightly and remove it (x6).



d777z5004

6. Lift the rear left cover [A] of the vacuum feed LCIT slightly and remove it (x10).



d777z5005

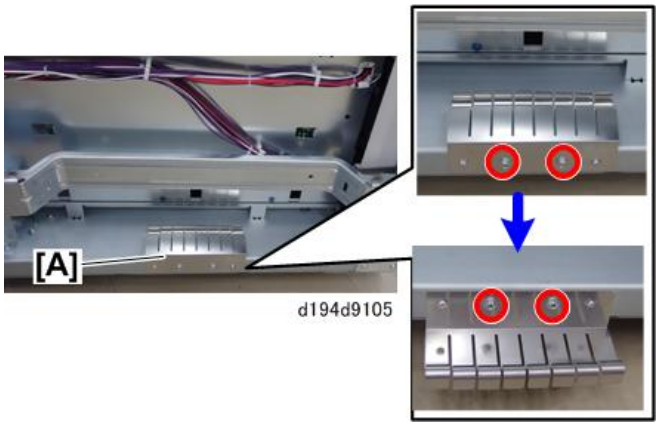
7. Open the front door and release the lock stay (x1).

   The removed screw is used in step 13.

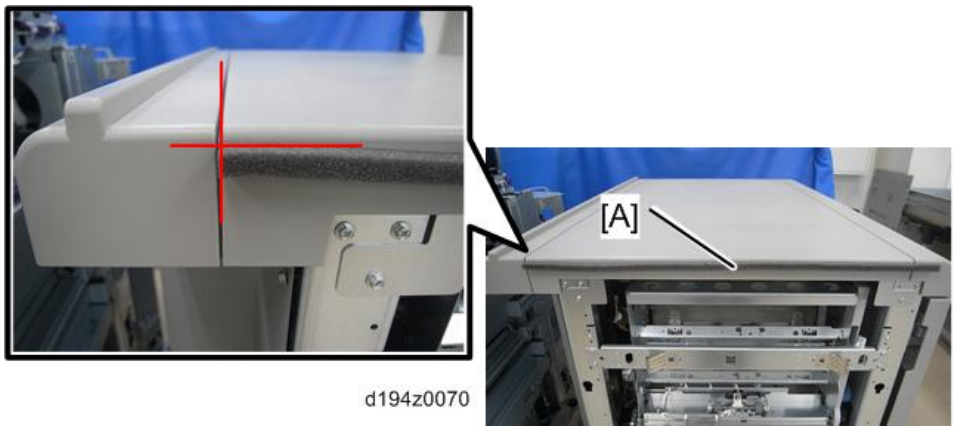
m263d9103

8. Remove the ground plate [A] (x2).

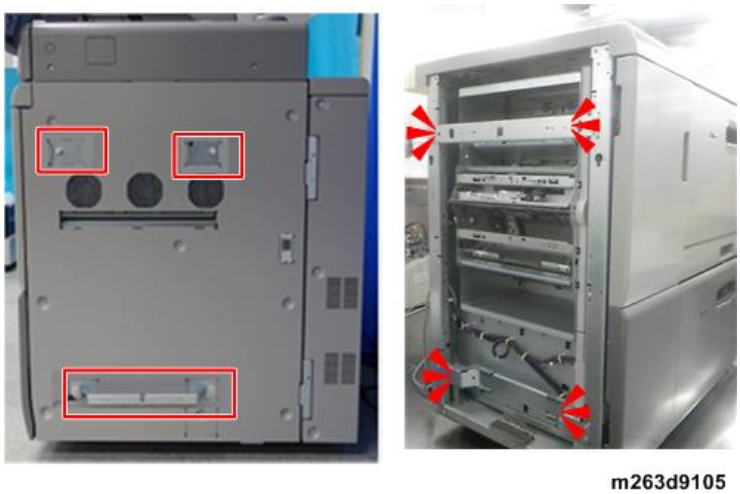
9. Change the orientation of the ground plate [A], and then install it as shown below (x2).



10. Attach the cushion [A] to the docking side of the vacuum feed LCIT as shown below.



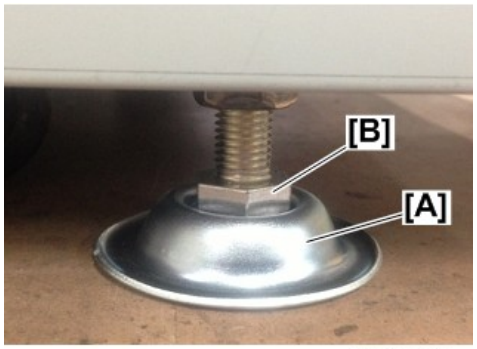
11. Install the vacuum feed LCIT on the main machine.
12. Match the frames of the vacuum feed LCIT with the joint pins and joint bracket of the main machine.



13. Open the front door and fix the lock stay (x1). Use the screw removed in step 7.

m263d9103

14. Place the four leveling shoes [A] below the bolts [B] under each corner of the vacuum feed LCIT.
15. Turn the nuts [B] to lower the bolt until the bolts reach the leveling shoes [A].

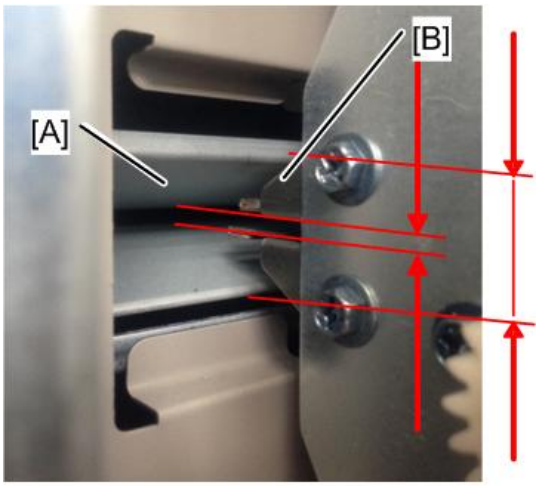


d194e9107a

16. Place a level on the top of the vacuum feed LCIT, and then adjust the machine level and height with the leveling shoes.

d194d9168

Machine level:	Less than 5 mm (0.2”) from level (measure from left-to-right and front-to-rear)
Machine height:	The paper feed port [A] of the vacuum feed LCIT must be positioned within the range of the paper feed port [B] of the main machine.

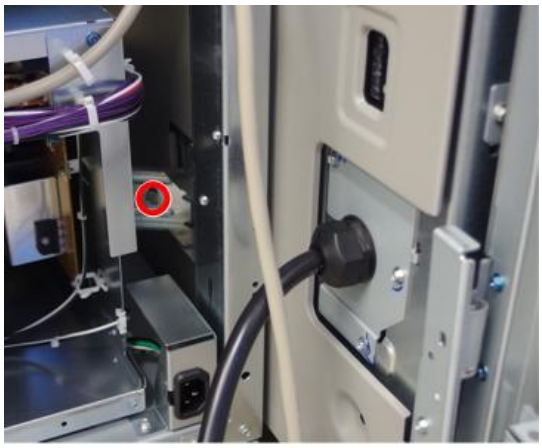


d194z0069

17. Fasten the lower joint bracket (x1 M4x10).

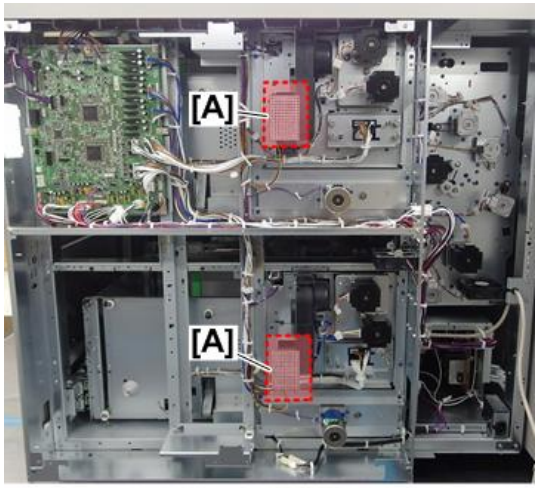
m263d9104a

18. Fasten the rear joint bracket (x1 M4x10).

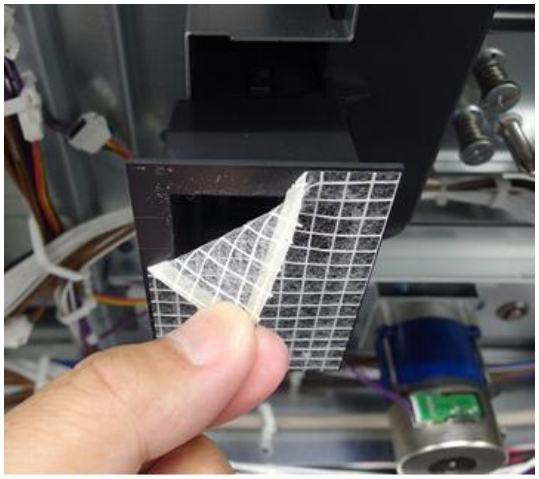


d194d9113

19. Inside the right rear cover, peel off the fan filters of the suction fans [A].



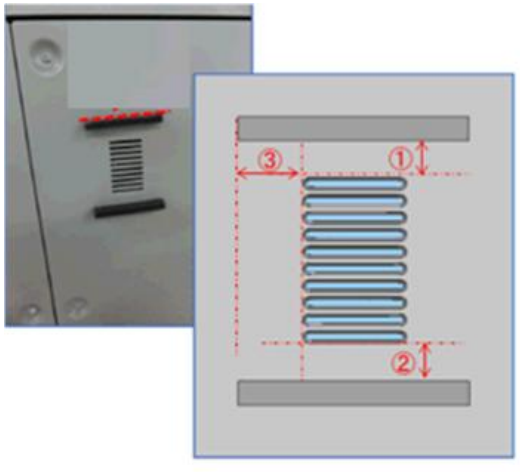
d270d8102



d270d8103

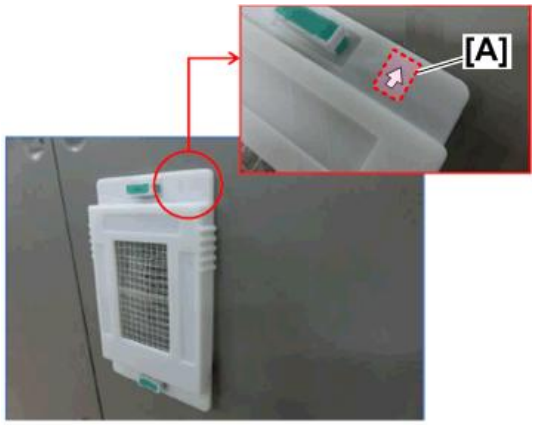
20. Attach the right rear cover.
21. Attach the two accessory blower seals over the ducts within the measurements shown below.

1	13±3
2	13±3
3	25±3



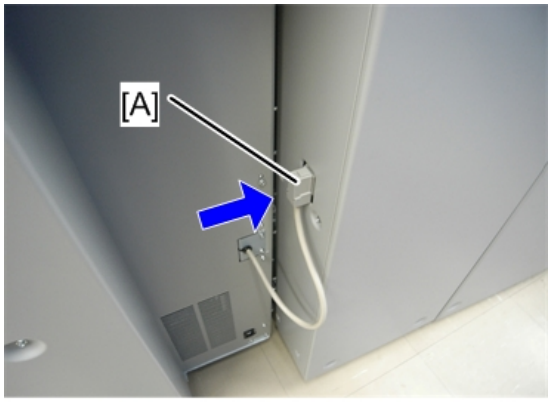
d270d8101

22. With the arrow embossed on the filter cover pointing up as shown [A], attach the cover over the duct.



d270d8104

23. Attach the left rear cover of the Vacuum Feed A3 LCIT.
24. Connect the LCIT I/F cable [A] to the main machine.



d778z0037

25. When attaching the paper tray decal, attach it along the LED of the paper tray.
    - Upper paper tray: decal - paper tray **T1**.
    - Lower paper tray: decal - paper tray **T2.**

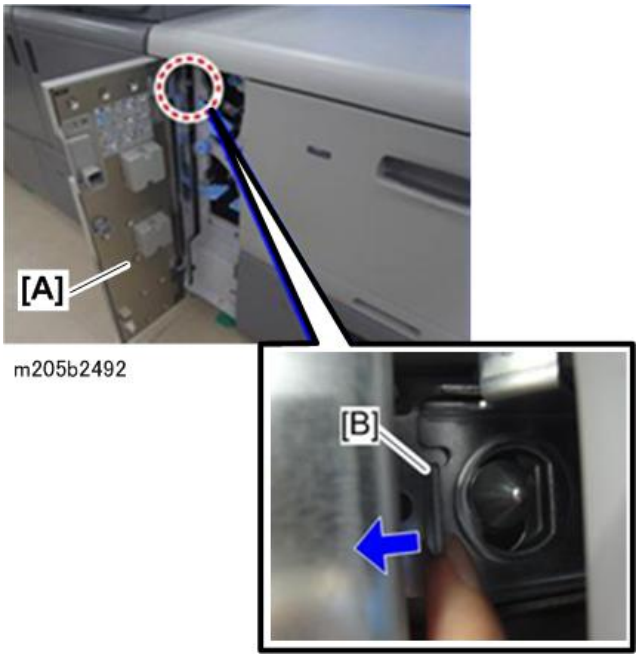
m263d8102

26. Plug in the machine.

d194d9167

Disconnecting the Vacuum Feed LCIT from the Main Machine

1. Open the front door [A] of the vacuum feed LCIT.
2. Disconnect the Vacuum Feed LCIT while pressing the connecting lever [B] in the direction indicated by the arrow.

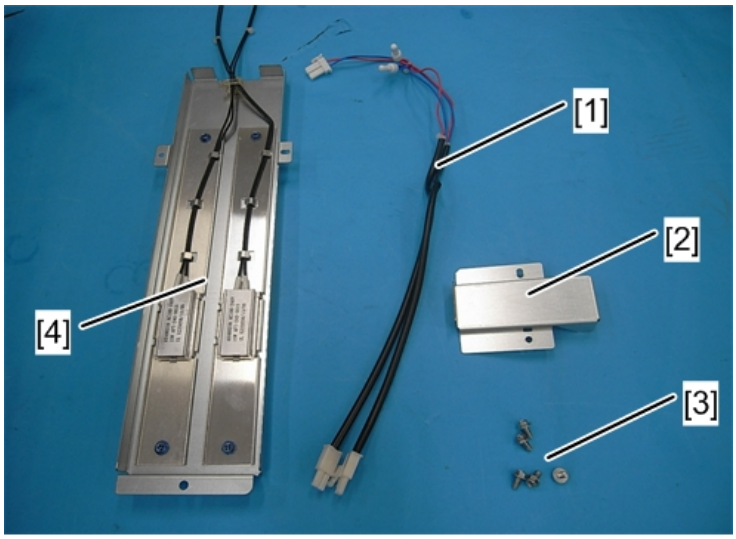


m205b2492

Vacuum Feed LCIT Tray Heater

Accessories

No.	Description	Q'ty
1	Relay Harness	1
2	Heater Bracket	1
3	Screw	5
4	Heater	1



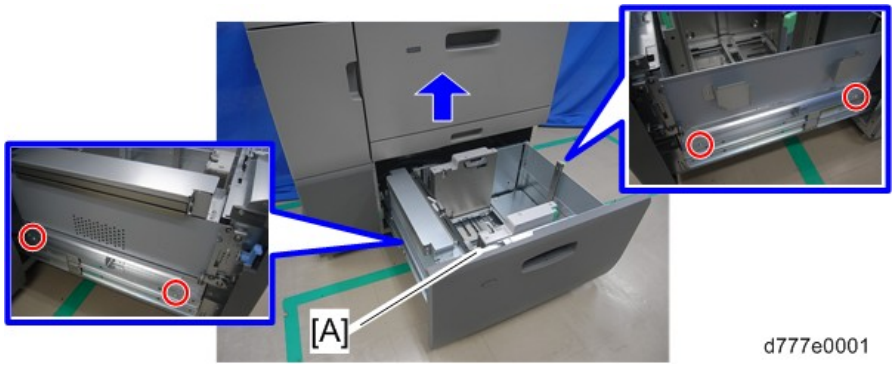
d777z0104

Installation

⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

1. Pull paper tray 2 from the vacuum feed LCIT.
2. Paper tray 2 [A] (x4)

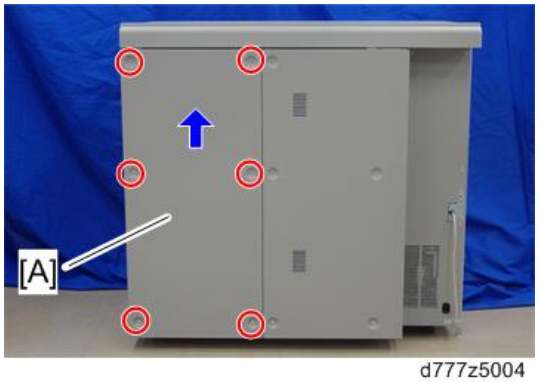


d777e0001

Important

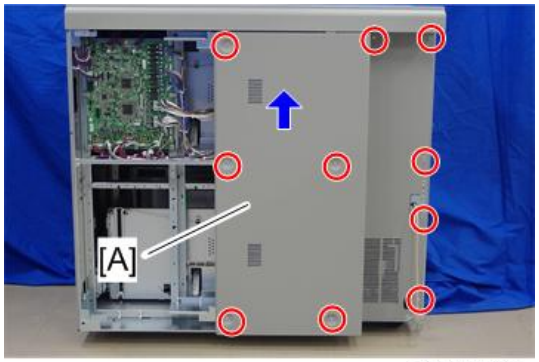
- Two or more customer engineers are required to lift paper tray 2 off the rails because paper tray 2 is extremely heavy. Work carefully when lifting or moving it.

3. Lift the rear right cover [A] of the vacuum feed LCIT and remove it (x6).



d777z5004

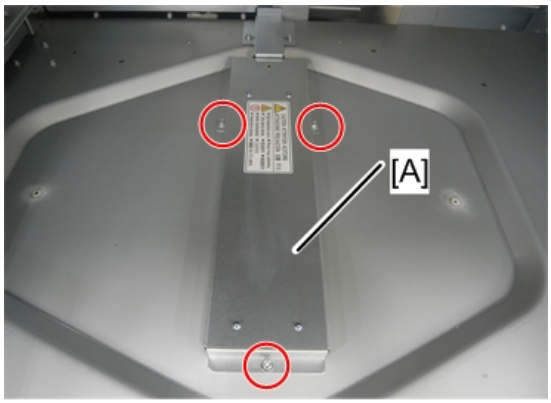
4. Lift the rear left cover [A] of the vacuum feed LCIT and remove it (x10).



d777z5005

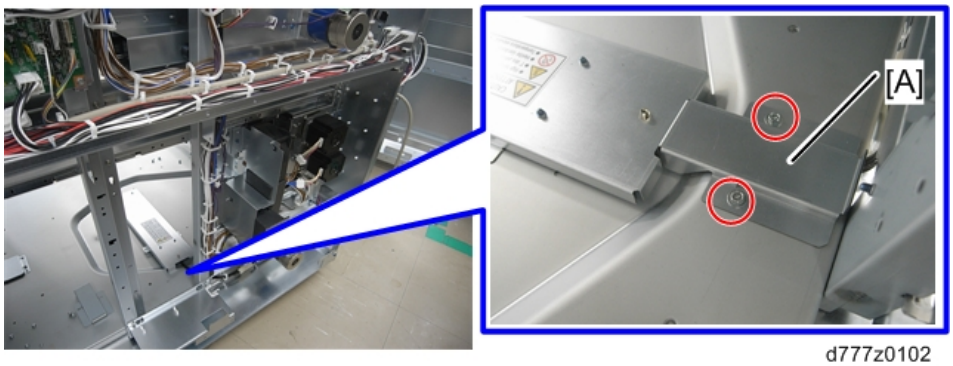
5. Attach the heater [A] to the bottom of the vacuum feed LCIT (x3).

Access from the front.



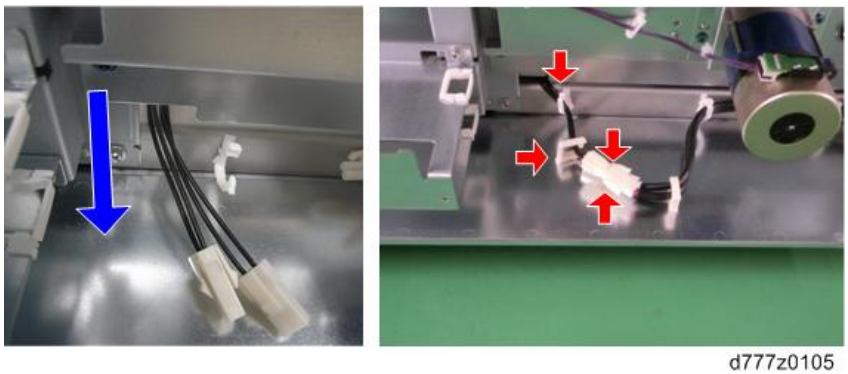
d777z0101

6. Attach the heater bracket [A] (x2).

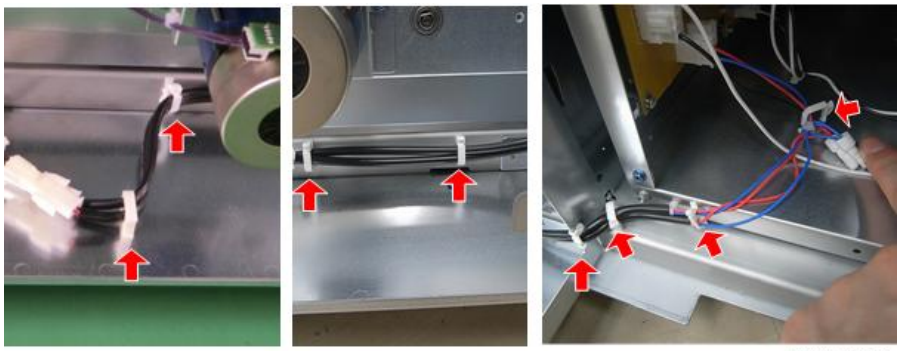


d777z0102

7. Pass the heater harness through the hole in the rear side, and connect it to the relay harness (x2, x2).


d777z0105

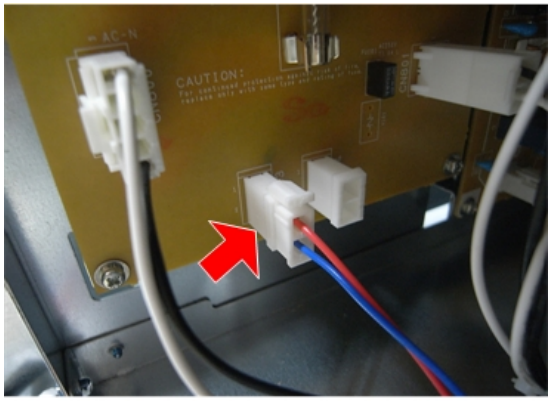
8. Route the relay harness as shown below (x8).



d777z0106

9. Connect the relay harness to the PSU.

   Red arrow: **CN803**

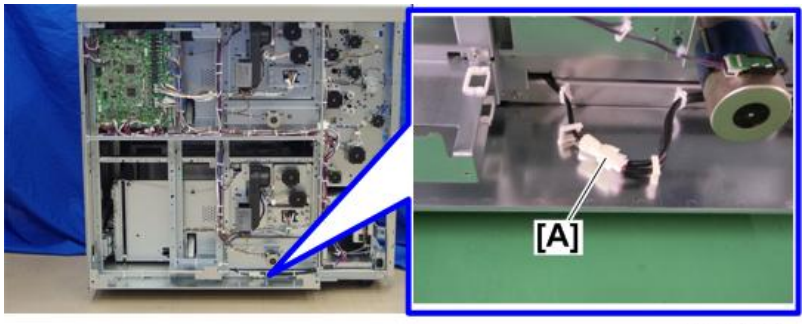


d777z0107

10. Re-attach both rear covers.
11. Re-attach paper tray 2.

Note

- The tray heater is not operated by the ON/OFF switch, but is always ON when the AC power of the vacuum feed LCIT is plugged in. If you wish to turn the heater OFF, you have to disconnect the relay connector [A].



d194d9169

Bridge Unit BU5010

The Bridge Unit can be installed in the following configurations.

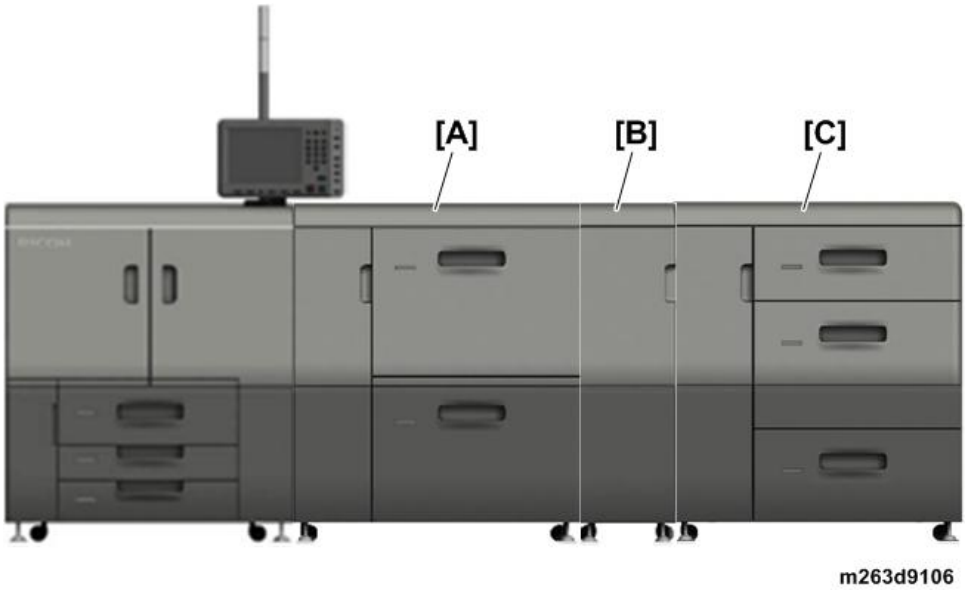
- A3 LCT RT5100 [A] + Bridge Unit [B] + A3 LCT RT5080 [C]

  Note

  - In the illustration below, [A] is "downstream" of the bridge unit [B] and [C] is "upstream" of the bridge unit [B].

  Important

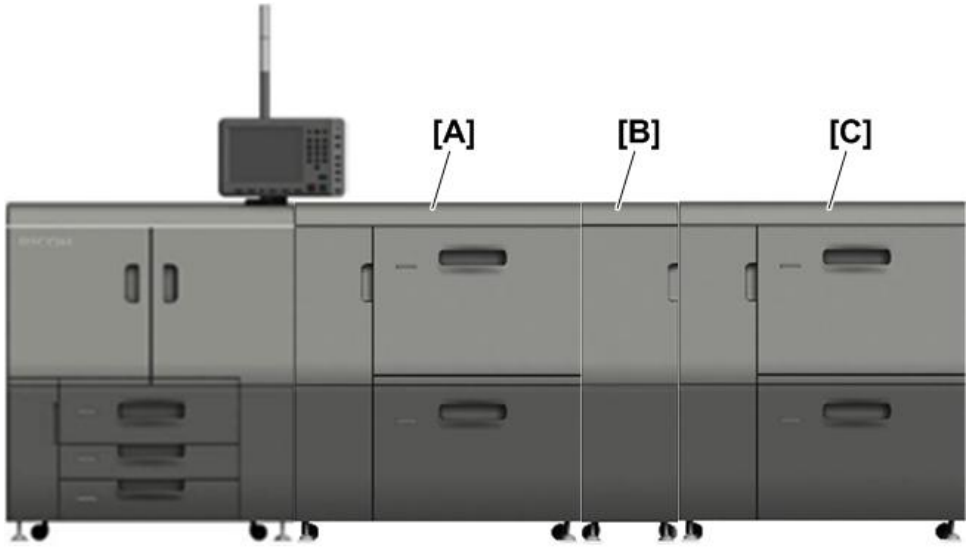
  - In order to use a second LCIT unit with this system, you will need to upload another software program into the machine firmware before connecting the second unit. For more details, contact your supervisor.



- A3 LCT RT5100 [A] + Bridge Unit [B] + A3 LCT RT5100 [C]

  Note

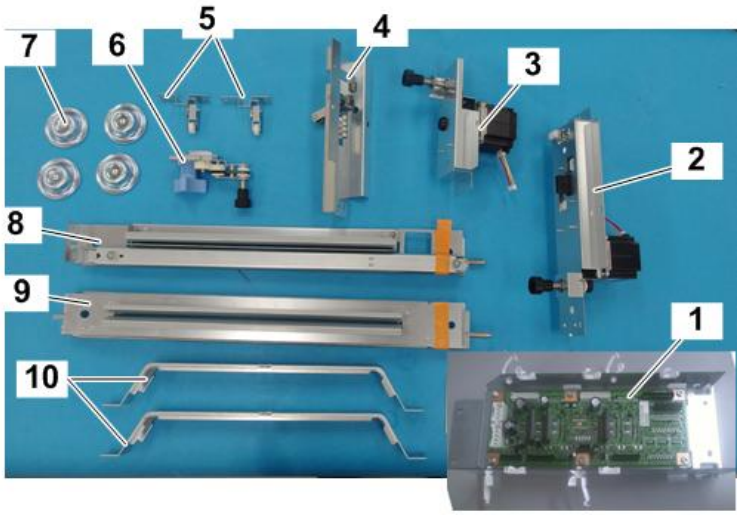
  - In the illustration below, [A] is "downstream" of the bridge unit [B] and [C] is "upstream" of the bridge unit [B].



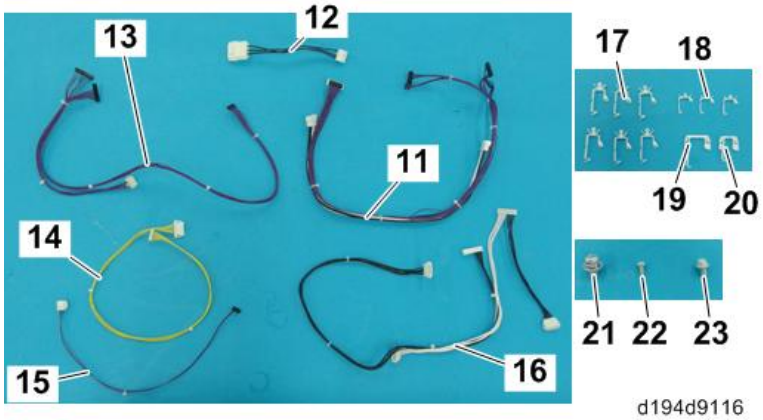
Accessories

No.	Description	Q'ty
1	Control Board	1
2	Exit Motor Unit	1
3	Entrance Motor Unit	1
4	Detent Unit	1
5	Detent	2
6	Jam Removal Lever	1
7	Leveling Shoes	4
8	Left Slide Rail	1
9	Right Slide Rail	1
10	Joint Bracket	2
11	Interface Harness	1
12	Interlock Switch Harness	1
13	Drawer Connector Harness	1
14	Communication Harness	1
15	Cooling Fan Harness	1
16	Motor Harness	1
17	Clamp (large)	6
18	Clamp (small)	3
19	Edge Saddle (large)	1
20	Edge Saddle (small)	1
21	Screw with Spring Washer (M5x10)	8
22	Screw (M3x6)	4

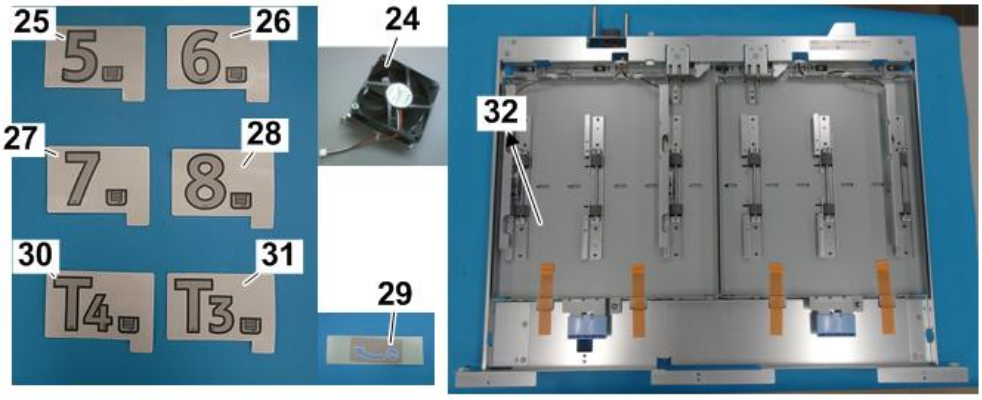
No.	Description	Q'ty
23	Tapping Screw (M4x8)	25
24	Fan Assembly	1
25	Decal - Paper Feed Tray [5] (Not Used)	1
26	Decal - Paper Feed Tray [6] (Not Used)	1
27	Decal - Paper Feed Tray [7] (Not Used)	1
28	Decal - Paper Feed Tray [8] (Not Used)	1
29	Decal – U10 Knob	1
30	Decal - Paper Feed Tray [T3]	1
31	Decal - Paper Feed Tray [T4]	1
32	Horizontal Transport Unit	1



d194d9115



d194d9116



Installation

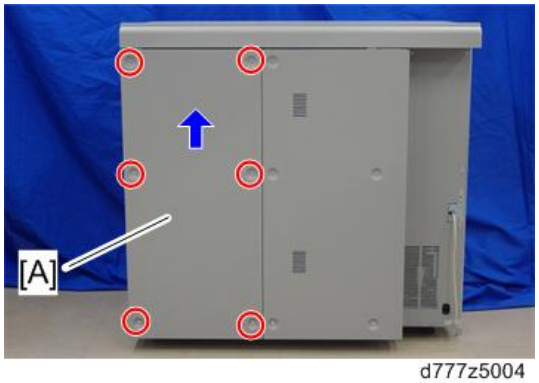
⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

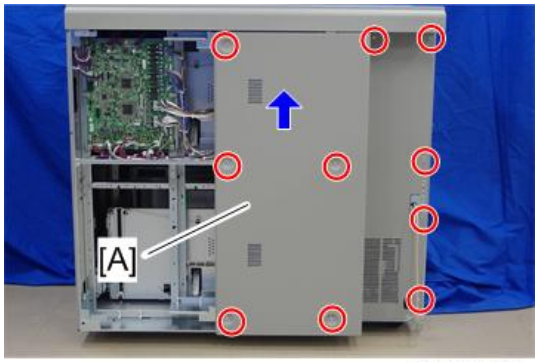
Horizontal Transport Unit

1. Remove all visible external tapes on the external surfaces.
2. Remove the six covers on the right side of the downstream vacuum feed LCIT.

3. Lift the rear right cover [A] of the downstream vacuum feed LCIT and remove it (x6).



4. Lift the rear left cover [A] of the downstream vacuum feed LCIT and remove it (x10).



d777z5005

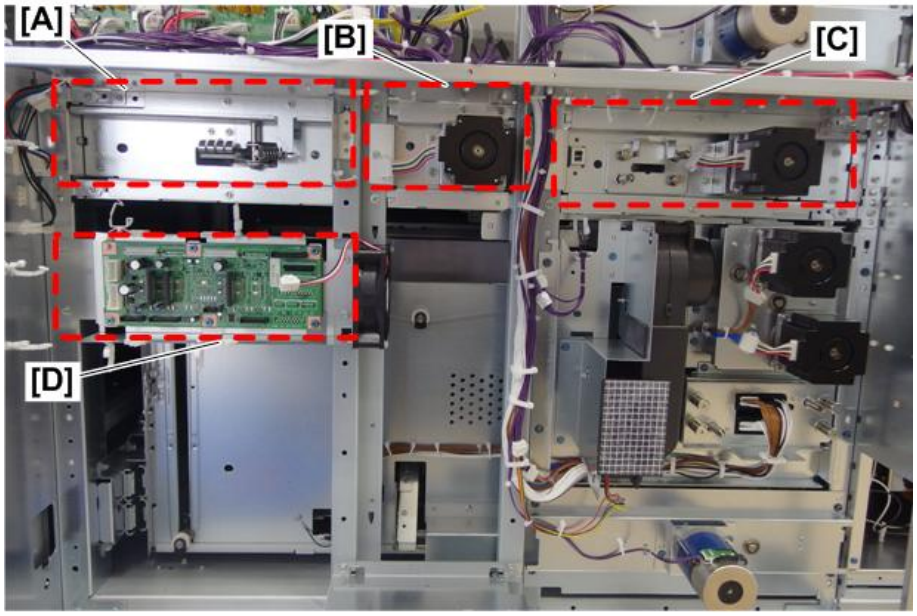
5. Locate the installation positions of the four units

[A]: Detent unit

[B]: Entrance motor unit

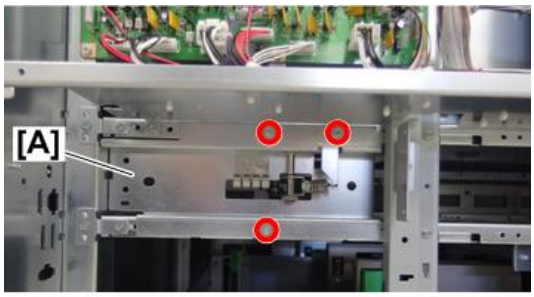
[C]: Exit motor unit

[D]: Control board



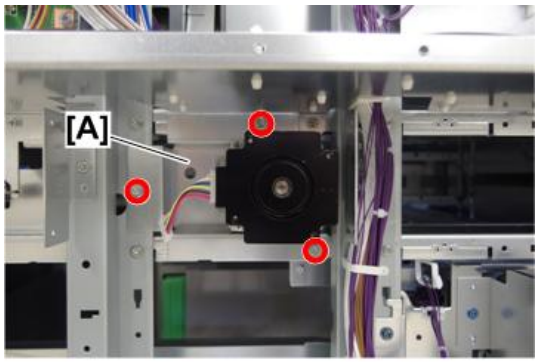
d194d9125

6. Attach the detent unit [A] (x3: M4x8).



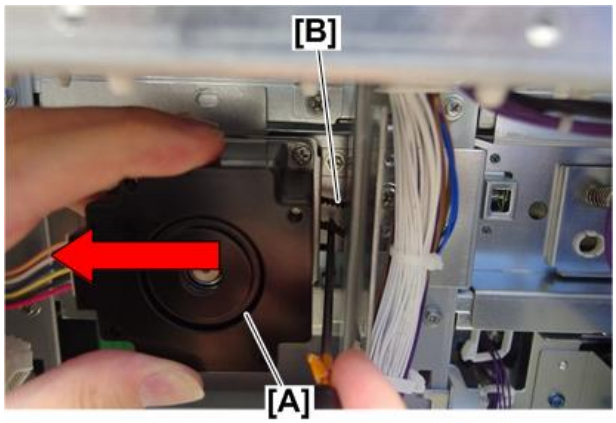
d194d9119

7. Attach the entrance motor unit [A] (x3: M4x8).



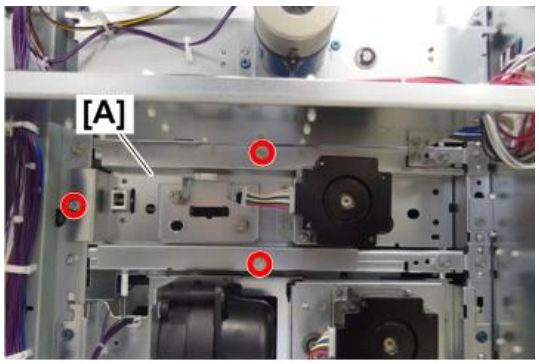
d194d9120

8. Check that the belt is not out of position. If the belt is out of position, this can cause a horizontal transport unit jam.
9. Before fastening the motor unit [A], slide it to the left.
10. Insert the tip of a thin screwdriver or other tool into the gap to check the belt [B] tension.



d194d9173

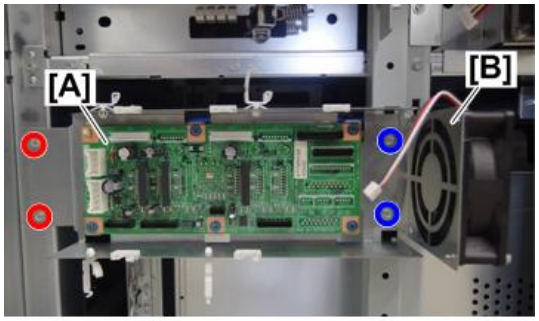
11. Attach the exit motor unit [A] (x3: M4x8).



d194d9121

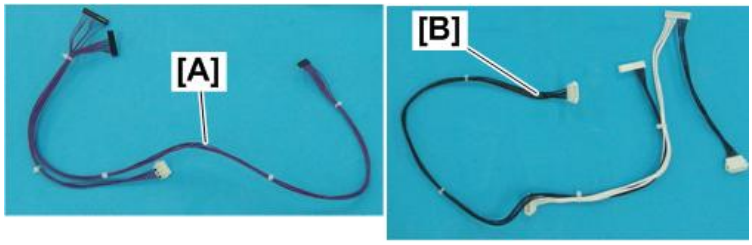
12. Attach the control board [A] and fan assembly [B] (x4: M4x8).

13. Tighten the fan assembly [B] and control board [A] together (blue circles).



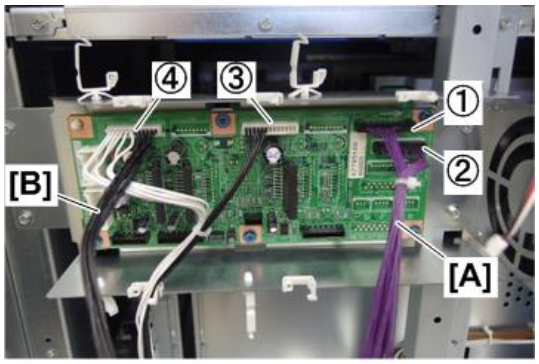
d194d9122

14. Connect the drawer connector harness [A] and the motor harness [B] to the control board (x4).



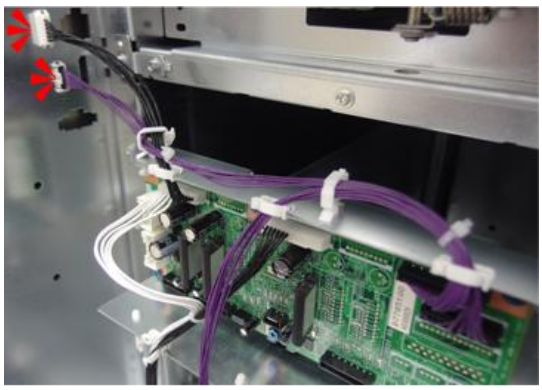
d194d9124

①	CN208	③	CN210
②	CN207	④	CN205



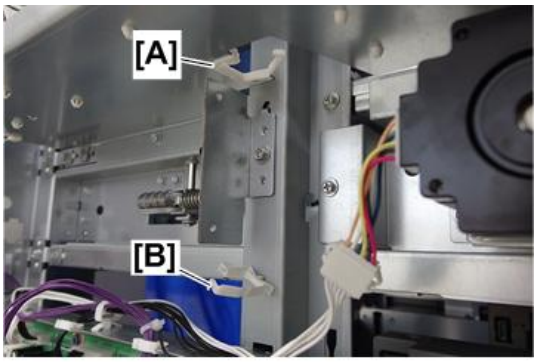
d194d9126

15. Route the drawer connector harness and the motor harness as shown below, and then insert the connectors into the relay connectors in the frame.



d194d9127

16. Attach the edge saddles [A] and [B] provided with this option to the following locations.



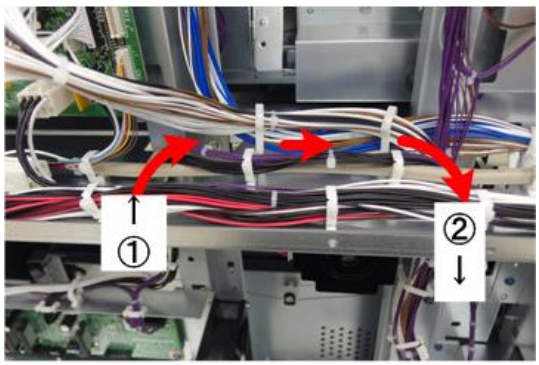
d194d9128

17. Route the drawer connector harness and motor harness as shown below. Then connect the connectors to the drawer connector and motor (x2, x4).

Control Board

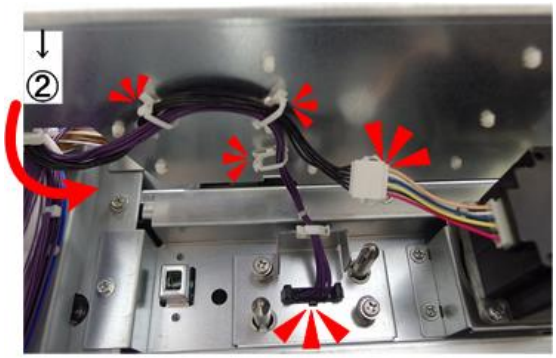
d194d9129a

Upper Side



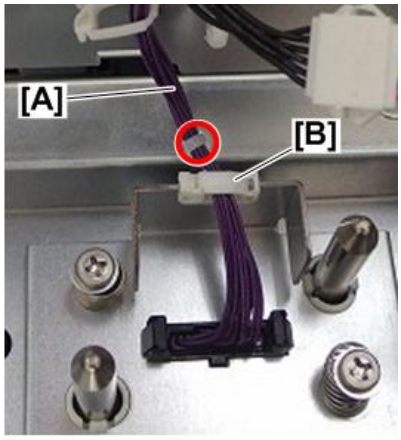
d194d9129b

Exit Motor Unit



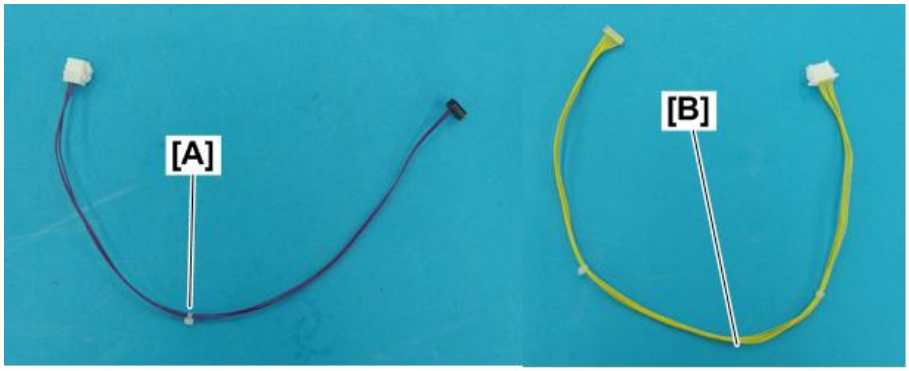
d194d9129c

18. Route the harness [A] so that the bind shown in the red circle is located above the edge saddle [B].



d194d9129d

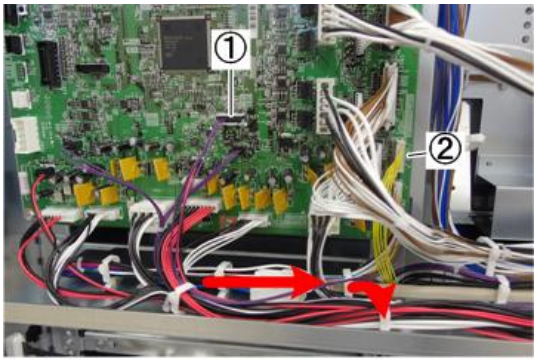
19. Connect the cooling fan harness [A] and the communication harness [B] to the main board of the vacuum feed LCIT (x2).
20. Route the cooling fan harness and the communication harness as shown below. Then connect the connector of the cooling fan harness to the cooling fan, and insert the connector of the communication harness into the relay connector in the frame (x1).



d194d9131

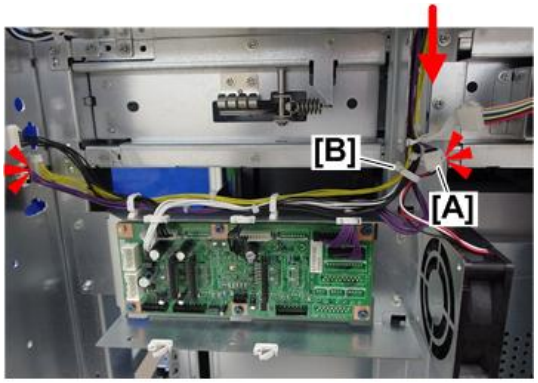
①	CN37
②	CN13

Main Board of the Vacuum Feed LCIT



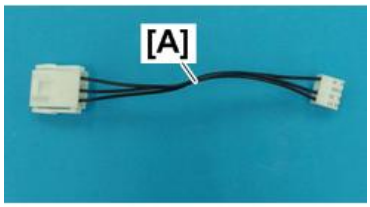
d194d9130a

Control Board



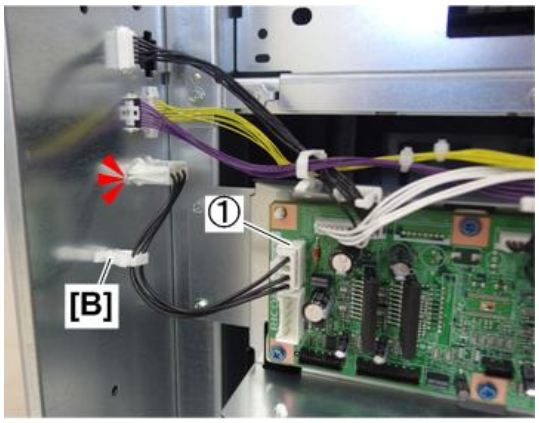
d194d9130b

21. Route the cooling fan harness so that the connector [A] is located above the clamp [B].
22. Connect the interlock switch harness [A] to the control board (x1).
23. Insert the connector of the interlock switch harness into the relay connector in the frame through the clamp [B] provided with this option.



d194d9132

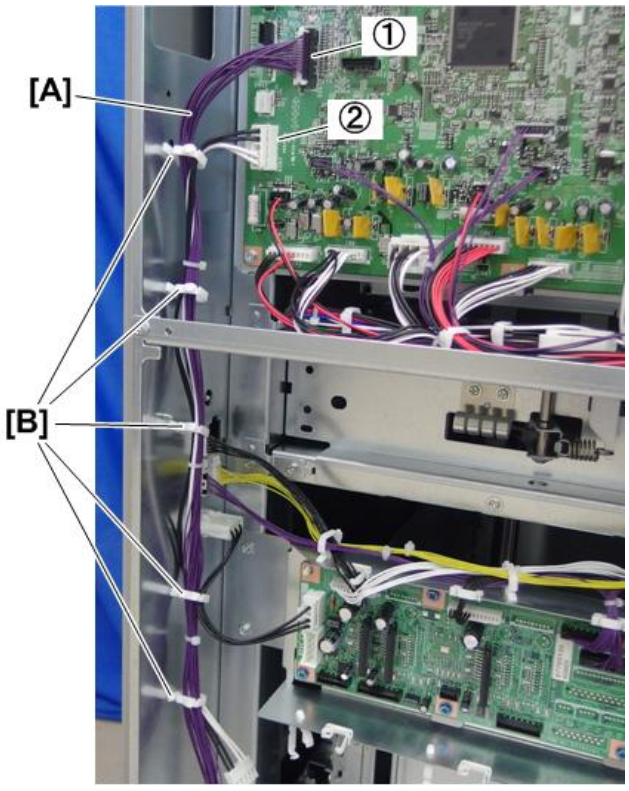
①	CN216



d194d9133

24. Connect the interface harness [A] to the main board of the vacuum feed LCIT (x2).
25. Route the harness as shown below through the clamps [B] provided with this option. (x5).

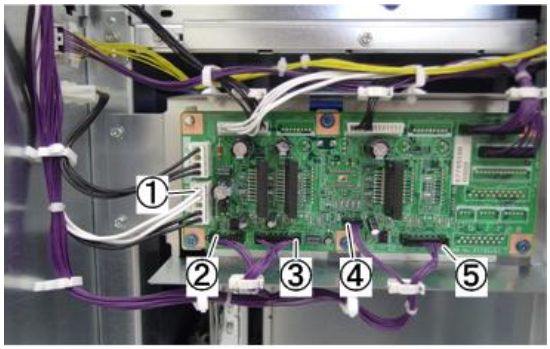
①	CN29
②	CN30



d194d9134

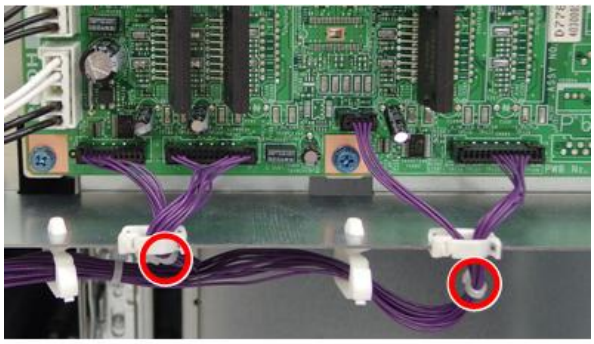
26. Connect the interface harnesses to the control board (x5).

①	CN245	④	CN217
②	CN201	⑤	CN203
③	CN202	-	-



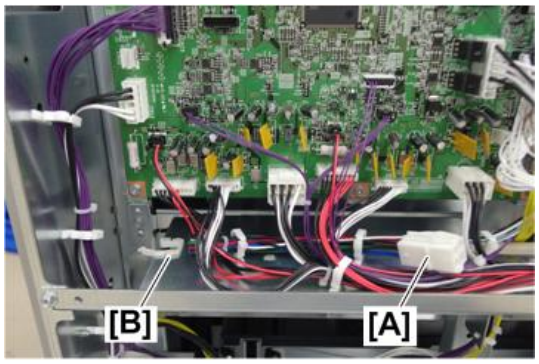
d194d9135

27. Route the interface harnesses so that the bands of the harness are located below the edge saddle.



d194d9123

28. Pull away the harness [A].
29. Attach the edge saddle [B] provided with this option.



d194d9136

30. Insert the connector into the relay connector in the frame through the clamp.

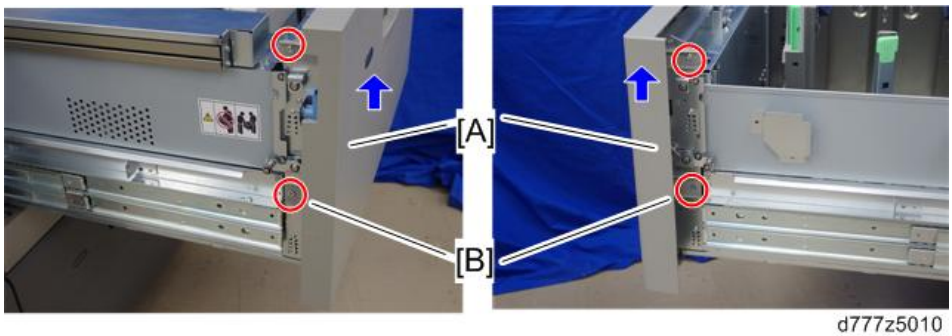
d194d9137

31. Pull paper tray 1 from the vacuum feed LCIT.

32. Lift the tray 1 front cover and remove the screws [A] (x2).
33. Remove the screws [B] (x2).

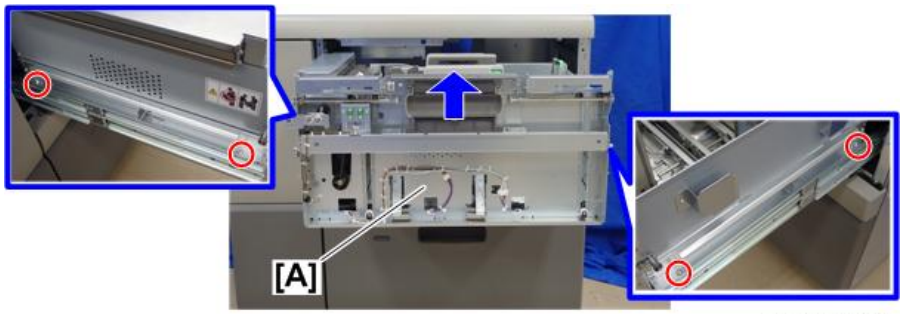
Note

- Remove the tray 1 front cover beforehand so that it does not hit the floor when putting paper tray 1 on the floor.



d777z5010

34. Remove paper tray 1 [A] from the vacuum feed LCIT (x4).

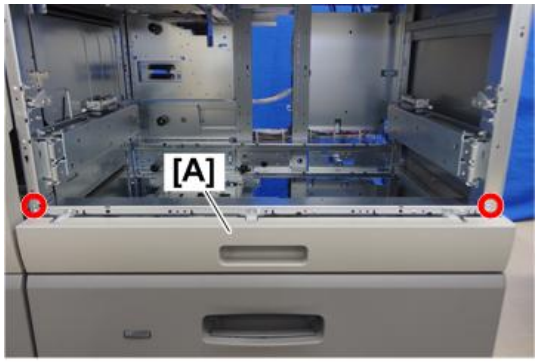


d194d9530a

⚠CAUTION

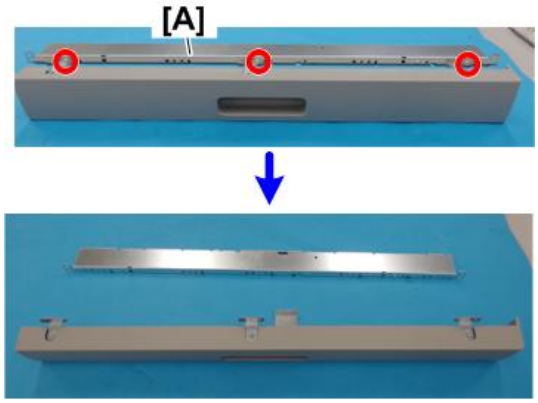
- Two or more customer engineers are required to lift the paper feed unit off the rails because the paper feed unit is extremely heavy (approx.30kg). Work carefully when lifting or moving it.

35. Remove the horizontal transport front cover [A] from the vacuum feed LCIT (x2).



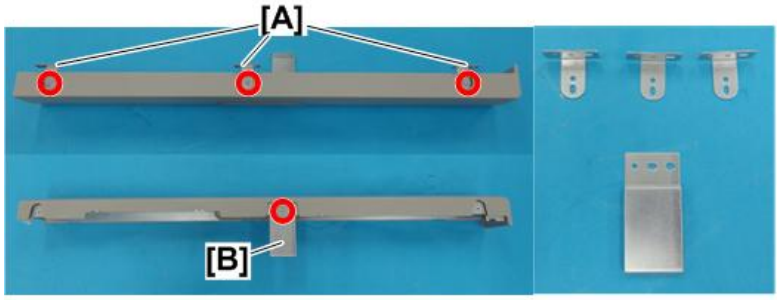
d194d9138

36. Remove the stay [A] from the horizontal transport front cover (x3).



d194d9139

37. Remove the brackets [A] and [B] from the horizontal transport front cover (x4).



d194d9140

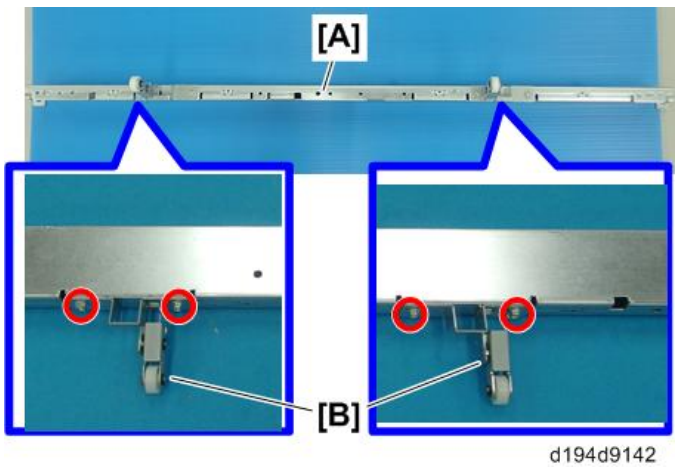
38. Attach the horizontal transport front cover to the horizontal transport unit (x5).

Note

- Do not remove shipping tapes when turning over the horizontal transport unit to attach the screws to the back side.

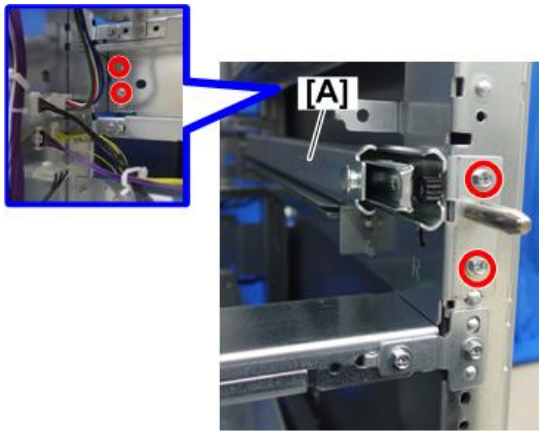
d194d9141

39. Attach the wheels [B] to the stay [A] removed earlier (x4: M4x8).



d194d9142

40. Attach the right slide rail [A] provided with this option to the vacuum feed LCIT (x4: M4x8).

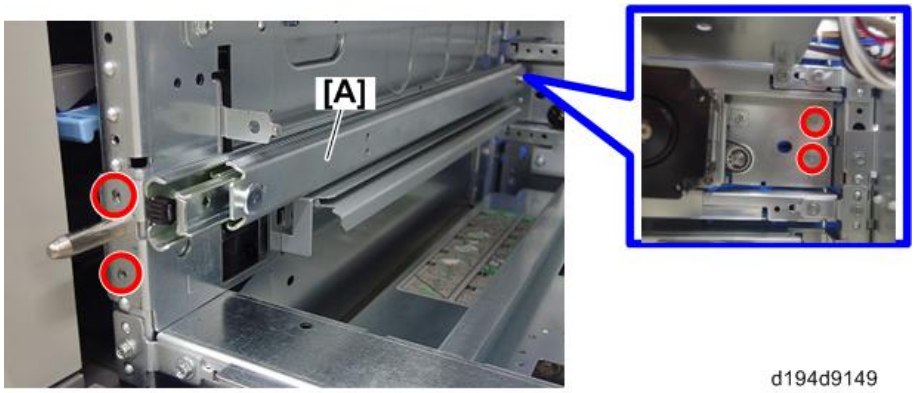


d194d9144

41. Look for the "L" engraved on the left rail and the "R" engraved on the right rail.

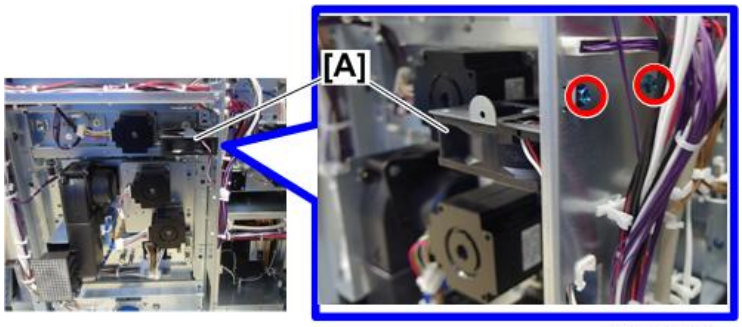
d194d9145

42. Attach the left slide rail [A] provided with this option to the vacuum feed LCIT (x4: M4x8).



d194d9149

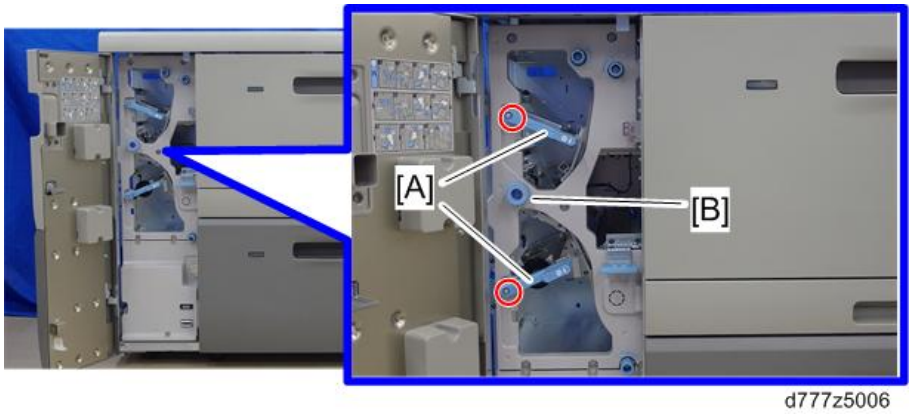
43. Attach the rear screws after removing the fan bracket [A].



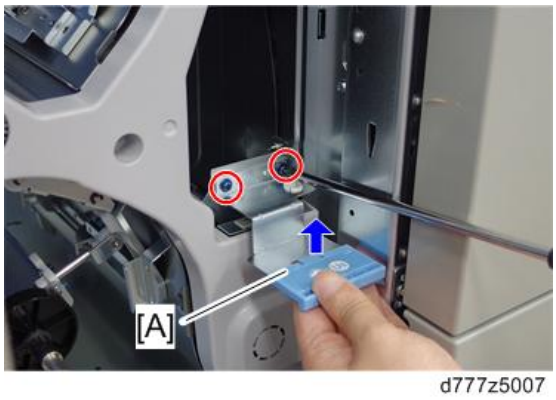
d194d9174

44. Remove the upper inner cover from the vacuum feed LCIT.
45. Open the front door.
46. Remove the two levers [A] (x1 each)

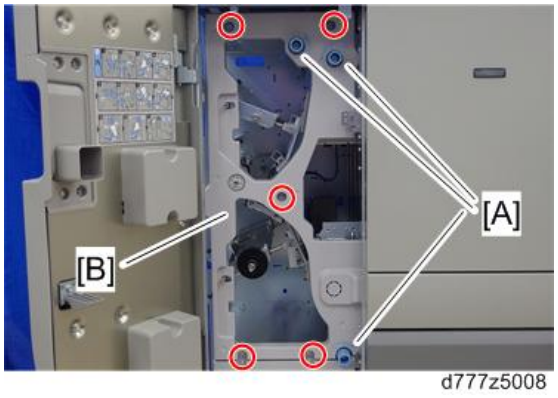
47. Remove the knob [B] (x1)



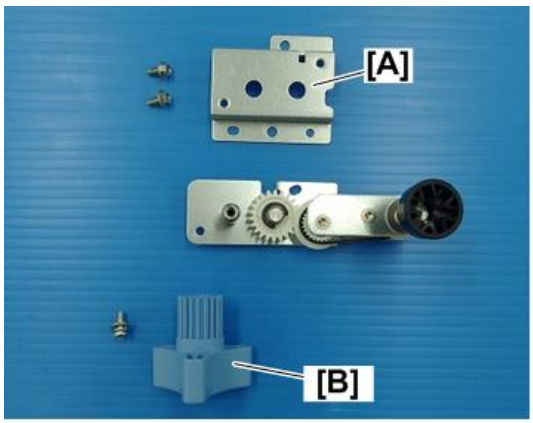
48. Raise the U9 jam removal plate and remove the handle [A] (x2).



49. Three knobs [A] (x1 each)
50. Upper inner cover [B] (x5)

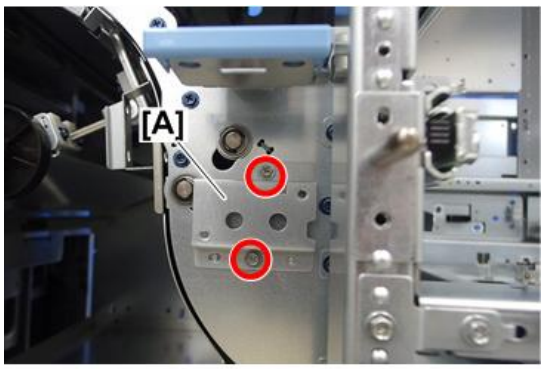


51. Remove the bracket [A] and knob [B] from the jam removal lever provided with this option (x3).



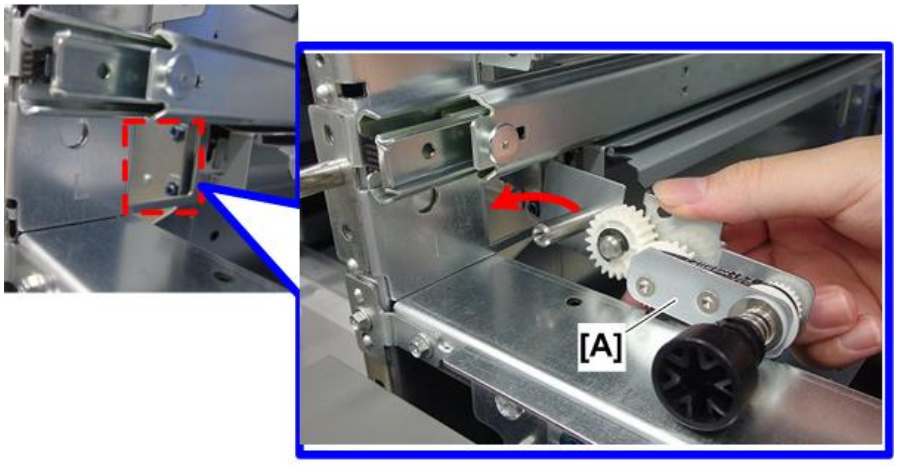
d194d9147

52. Attach the bracket [A] removed earlier to the vacuum feed LCIT (x2).



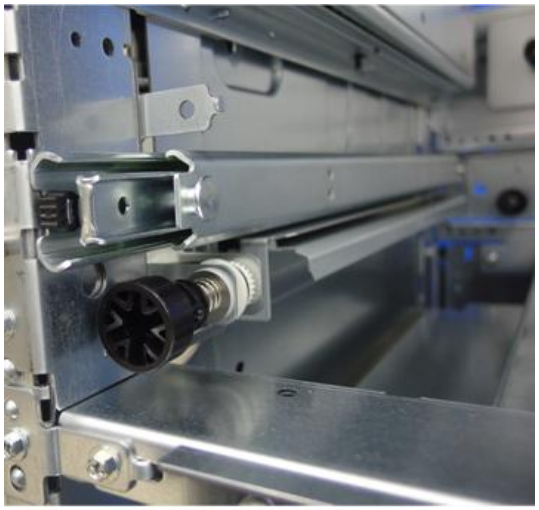
d194d9175

53. Set the jam removal lever [A] through the hole in the slide rail as shown below.



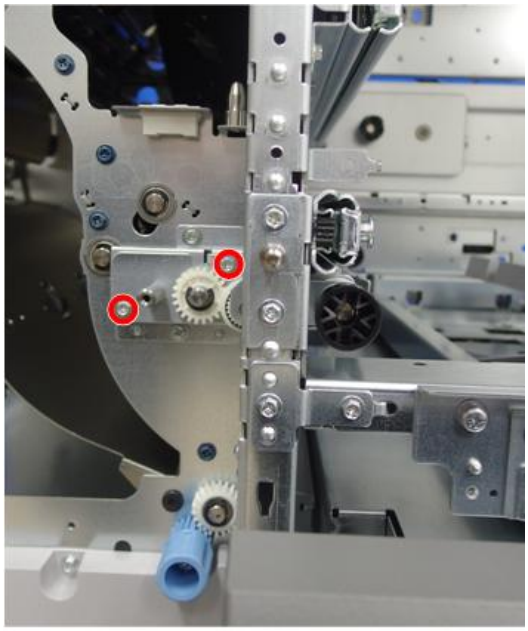
d194d9148a

54. Check the position and make sure it is correct as shown below.



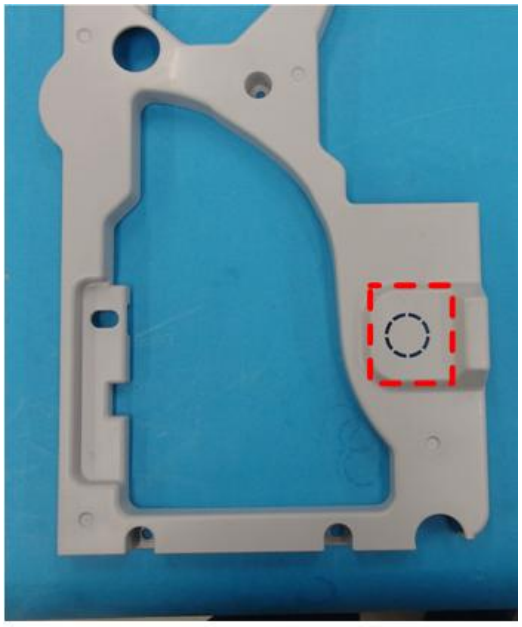
d194d9148b

55. Fix the jam removal lever to the bracket (x2).



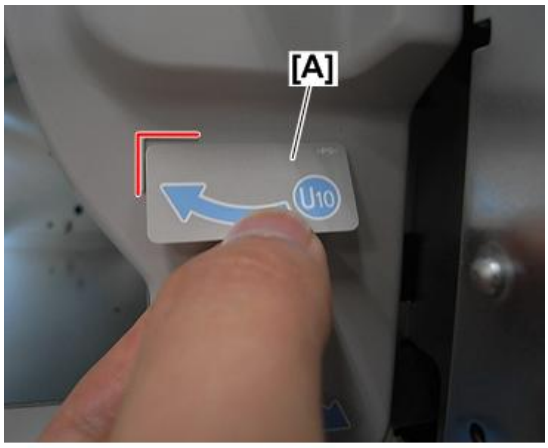
d194d9150

56. Cut out the plastic knockouts for the jam removal lever from the upper inner cover.



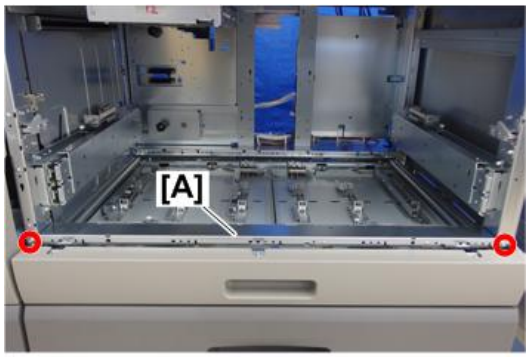
d194d9151

57. Paste the decal for the U10 knob [A] to the lower side of the point where you cut.



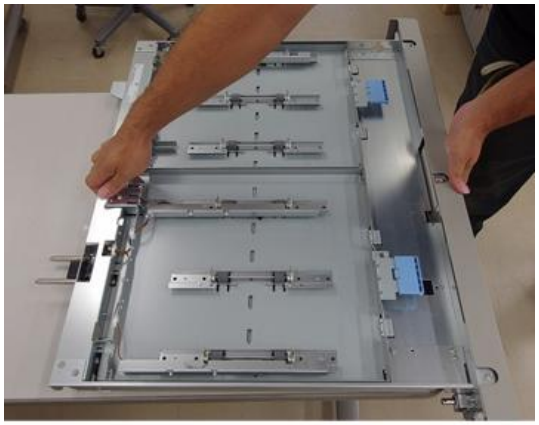
d194d9171

58. Re-attach the upper inner cover.
59. Attach the stay [A], to the vacuum feed LCIT (x2).



d194d9152

60. Pick up the horizontal transport unit at its rear center and front center.

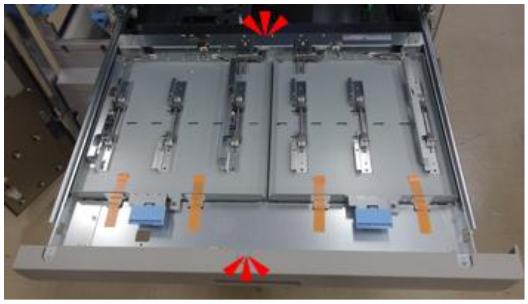


d194d9178

Important

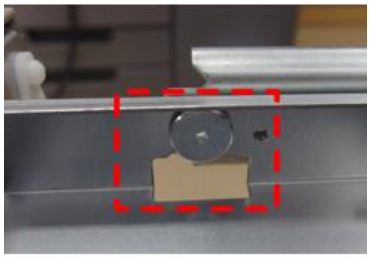
- Always hold the transport unit by its front and rear center.

61. Set the horizontal transport unit on the slide rails.



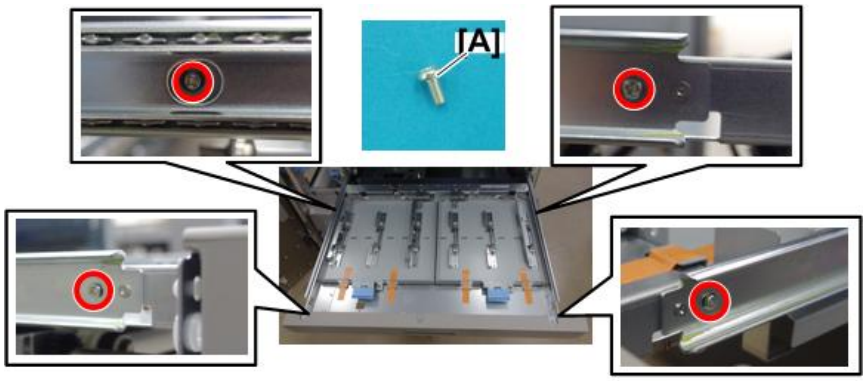
d194d9153

62. Hang the tabs located at the four corners of the slide rail into the cutouts in the horizontal transport unit.



d194d9154

63. Use the screws [A] provided to fasten the tray (x4: M3x6).



d194d9156

64. Push in the horizontal transport unit.
65. Re-attach the covers.

Docking: Downstream

m263b1040

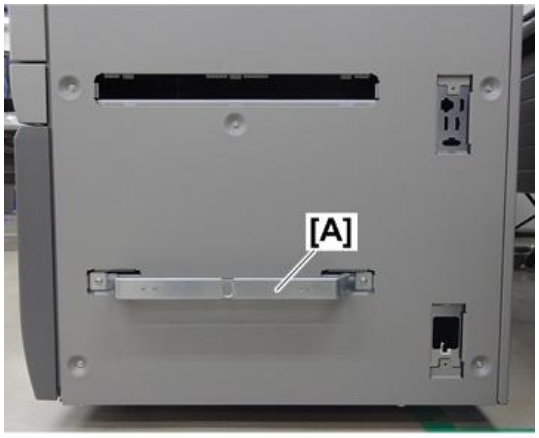
[1]	Main Unit
[2]	Vacuum Feed LCIT RT5100
[3]	Bridge Unit BU5010
[4]	LCIT RT5080

1. Attach the two joint brackets [A] provided with this option to the right side of the downstream vacuum feed LCIT (x 2 each: M5x10).

   Upper side

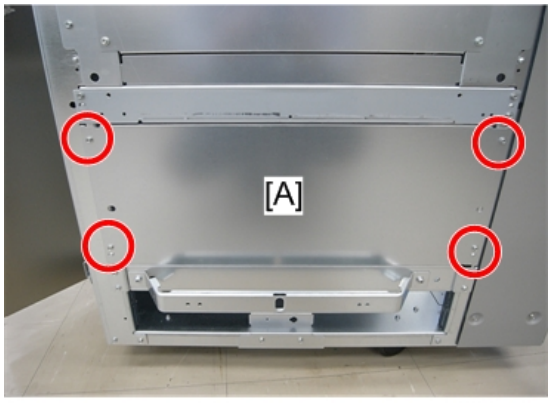
d194d9157a

Lower side



d194d9157b

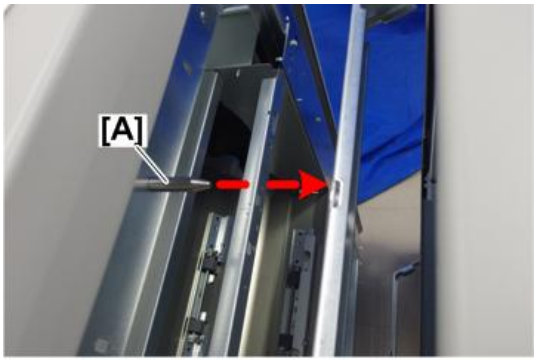
2. Remove the plate [A] from the right side of the bridge unit (x4).



d778z0007

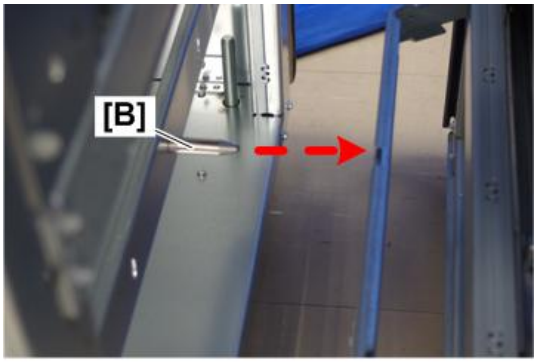
3. Dock the downstream vacuum feed LCIT. To do this: Insert the upper joint pin [A] and the lower joint pin [B] on the left side of the bridge unit into the holes in the joint brackets on the downstream vacuum feed LCIT.

Upper Side



d194d9159a

Lower Side



d194d9159b

4. Attach the leveling shoes [A] and then adjust the height so that the tops of the units are at the same level (Four locations: front left, front right, rear left, rear right).

m263b1043

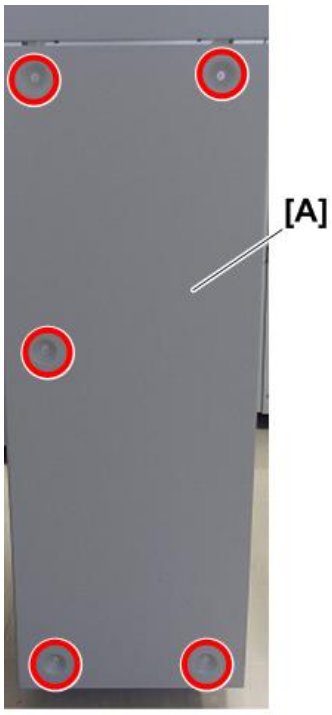
5. Fix the upper joint bracket to the bridge unit (x2: M5x10).

d778z0006

6. Fix the lower joint bracket to the bridge unit (x2: M5x10).

d778z0008

7. Remove the rear cover [A] from the bridge unit (x5).

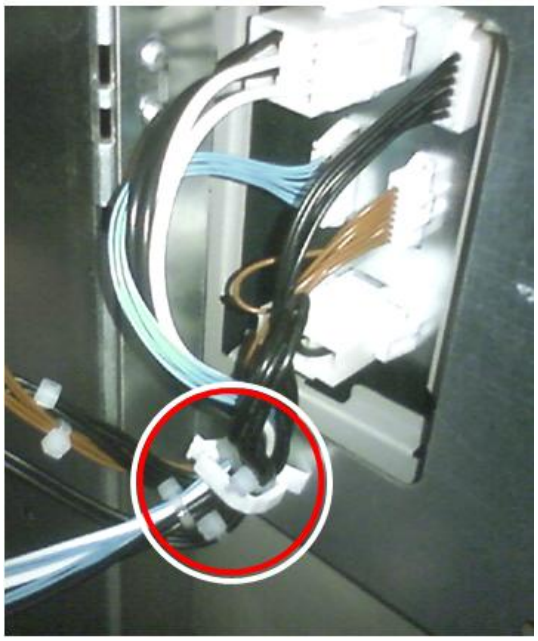


d194d9177

8. Connect the harness of the rear side of the bridge unit to the downstream vacuum feed LCIT (x5).

d778z0010

9. Route the harnesses so that the clamp is between the bands [A].



d194d9172

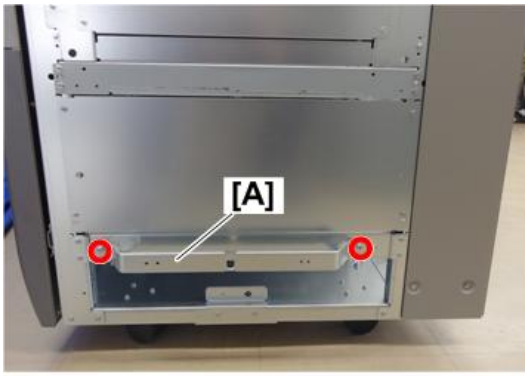
10. Re-attach the removed covers.

Docking: Upstream

m263b1041

[1]	Main Unit
[2]	Vacuum Feed LCIT RT5100
[3]	Bridge Unit BU5010
[4]	LCIT RT5080

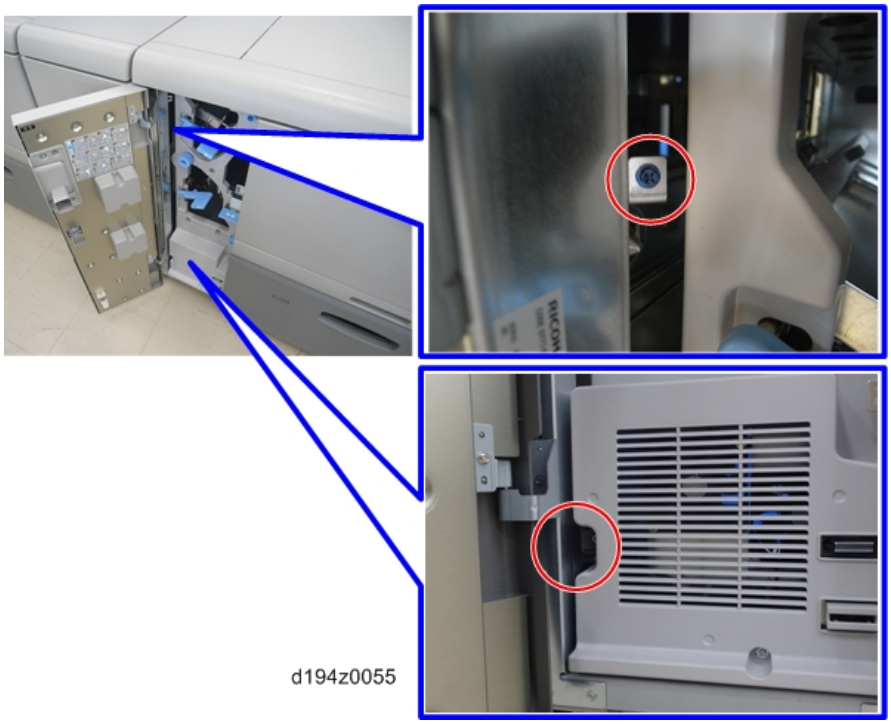
1. Attach the joint bracket [A] provided with the upstream vacuum feed LCIT to the right side of the bridge unit (x2).



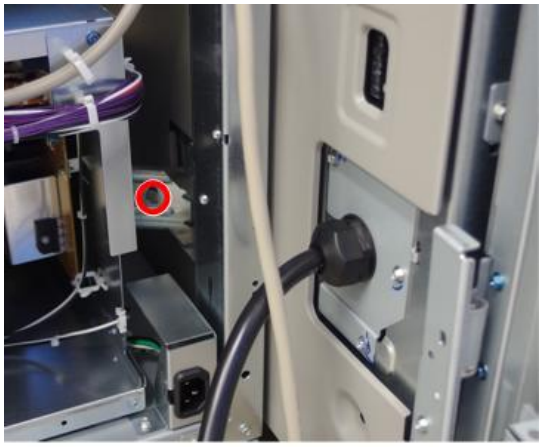
d194d9163

2. Dock the upstream vacuum feed LCIT. To do this, insert the joint pin on the left side of the upstream vacuum feed LCIT into the hole in the joint bracket on the bridge unit.
3. Open the front door of the upstream vacuum feed LCIT, and then fix the lock stay and joint bracket (x1

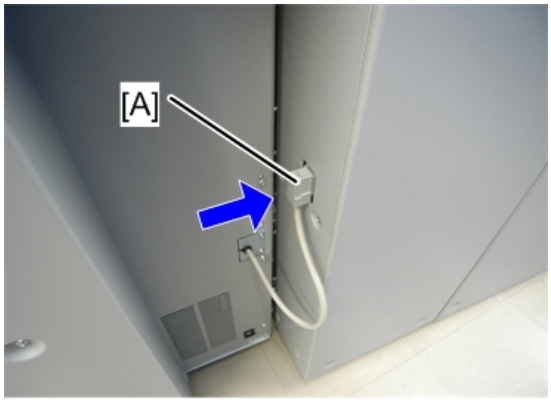
each).



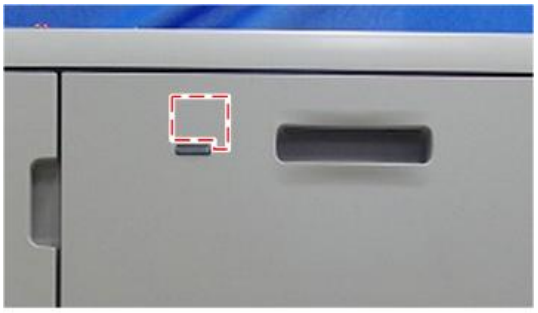
4. Remove the rear cover of the upstream vacuum feed LCIT, and then fix the joint bracket (x1).



5. Re-attach the rear cover of the upstream vacuum feed LCIT, and then connect the I/F cable [A] to the bridge unit (x1).

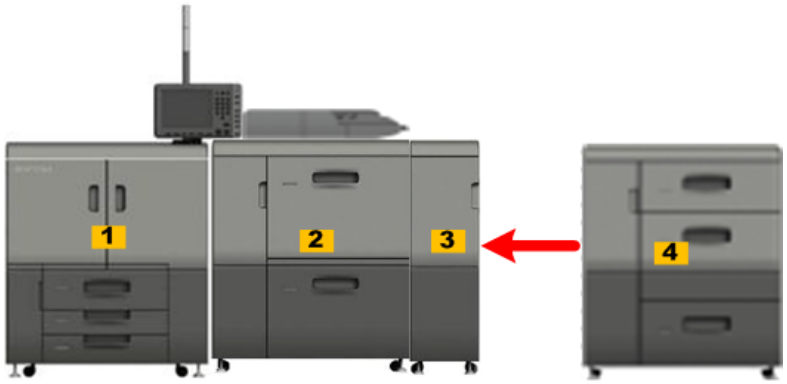


6. When attaching the decals (**T3** and **T4** provided with this option) to the upstream vacuum feed LCIT, attach them along the LED of the paper feed tray.



d194d9166

Connecting the Bridge Unit to Upstream A3 LCT RT5080

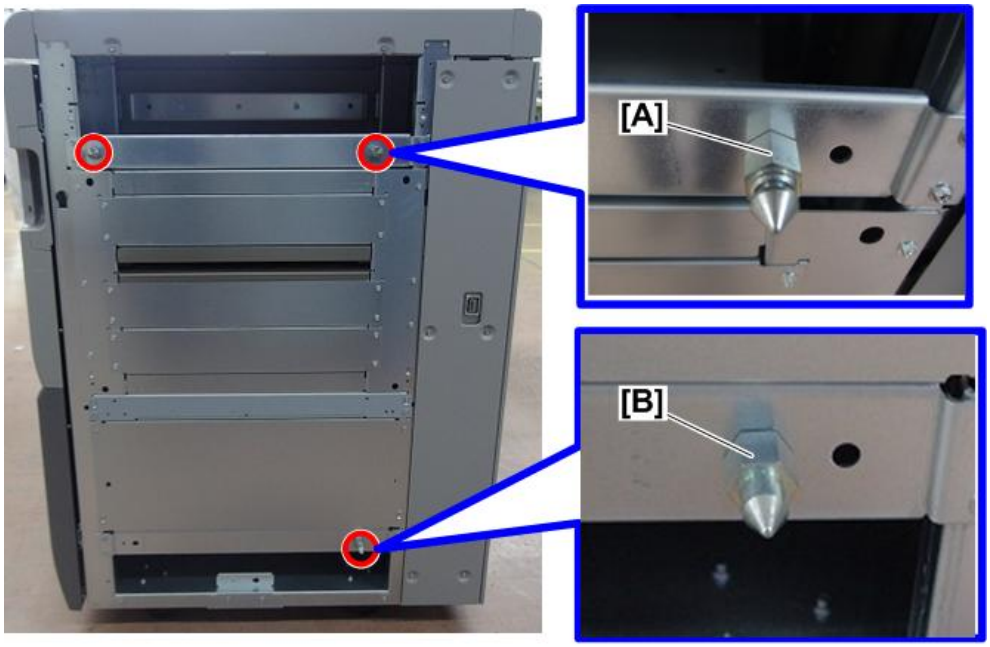


m263b1042

[1]	Main Unit
[2]	Vacuum Feed LCIT RT5100
[3]	Bridge Unit BU5010
[4]	LCIT RT5080

1. On the right side of the bridge unit, attach joint pin [A] (x2 grooved) and joint pin [B] (x1 smooth). These

joint pins are provided with the A3 LCT RT5080.

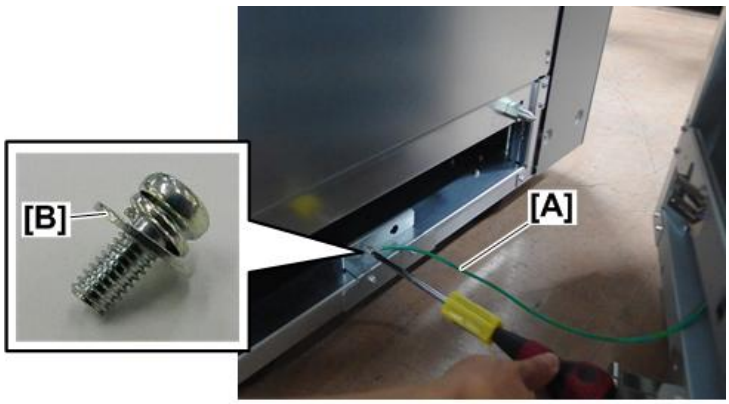


m263d8103

2. Push the upstream A3 LCT close to the side of the Bridge Unit.
3. Fasten the ground wire [A] from the A3 LCT to the Bridge Unit with the screw [B] provided with the A3 LCT (x1).

Important

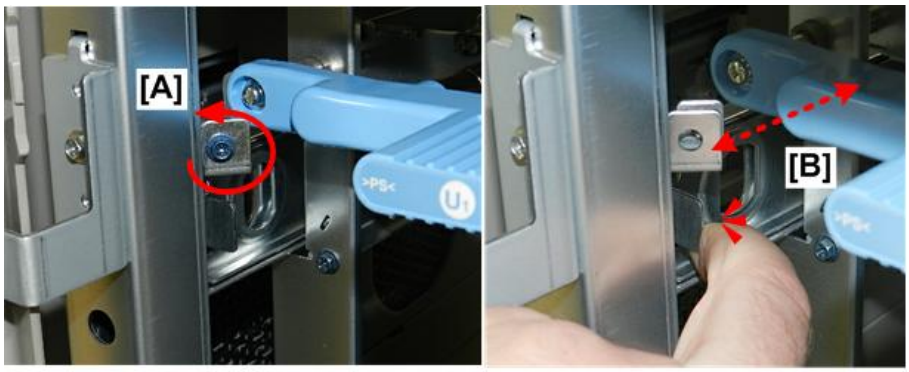
- To avoid damage to this ground wire, before you separate these units, you must always remember to separate them slightly and then disconnect this ground wire before you separate the units completely.



m263d9111

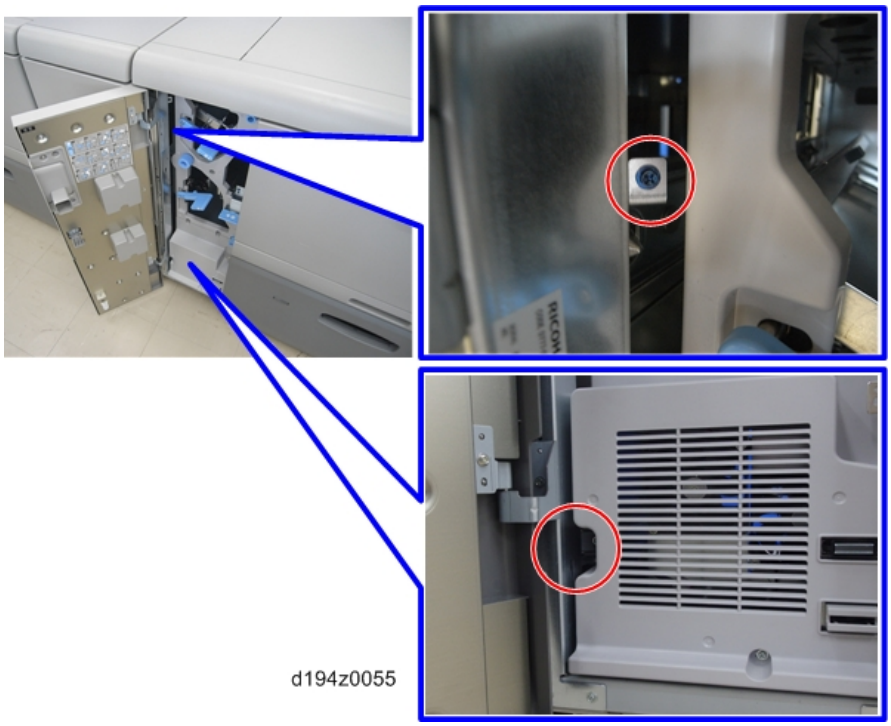
4. Open the front door of the upstream A3 LCT, and then remove the lock screw (x1).

5. Release the lock bar [B] so that it slides freely from side to side.



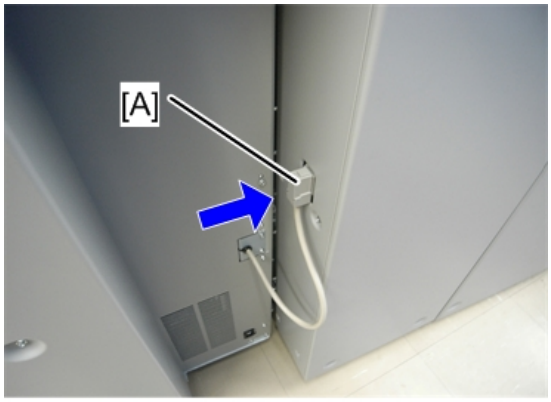
d7320008

6. Slowly, push the upstream A3 LCT against the side of the Bridge Unit.
7. With the front door of the A3 LCT open, fasten the lock bar above and the connection bracket below (x1, x1)



d194z0055

8. Connect the I/F cable [A] of the upstream A3 LCT to the Bridge Unit.



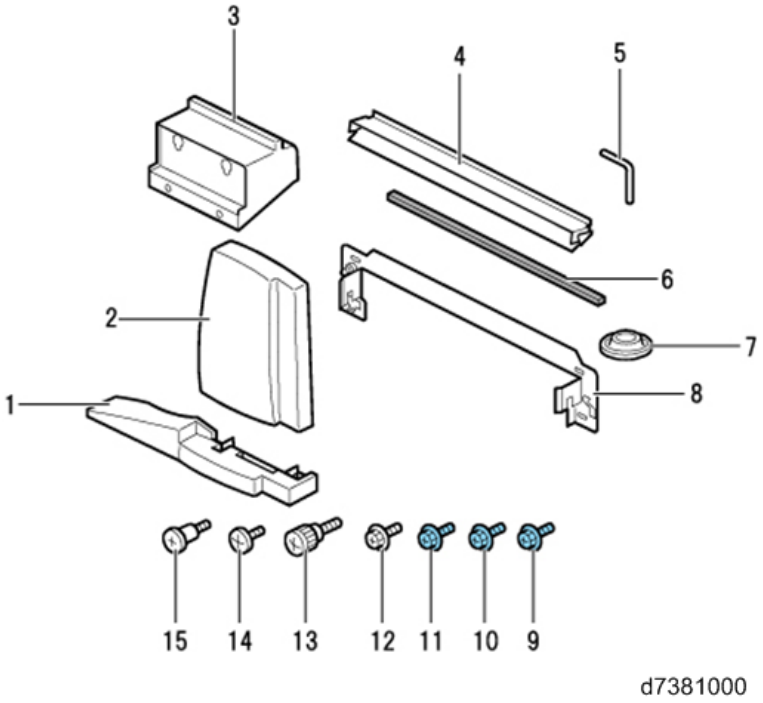
d778z0037

Cover Interposer Tray CI5030

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Base Cover (Tray Unit)	1
2.	Front Cover	1
3.	Spacer	1
4.	Entrance Guide Plate	1
5.	“L” Hinge Pins (Tray Unit Front Cover)	2
6.	Sponge Strip	1
7.	Leveling Shoes	4
8.	Joint Bracket	1
9.	Screw (M4x8)	2
10.	Screw (M3x8)	1
11.	Screw (M3x6)	2
12.	Screw (M4x8)	4
13.	Knob Screw	2
14.	Flat Knob Screw (M3x10)	3
15.	Shoulder Screw	1



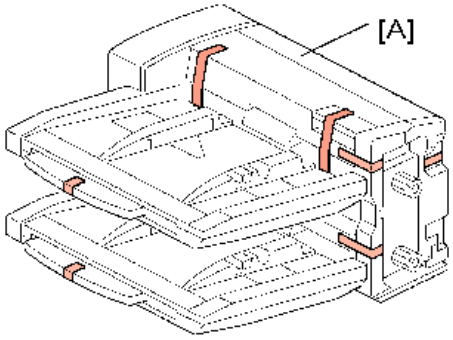
Installation

⚠CAUTION

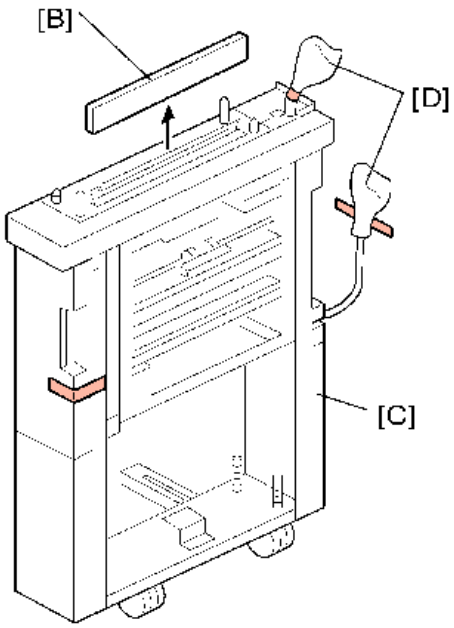
- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Procedure

1. Remove all the tape and shipping materials from the tray unit [A].
2. Remove the cover [B].
3. Remove all tape and shipping materials from the transport unit [C].
4. Remove the tape and covers from both connectors [D].

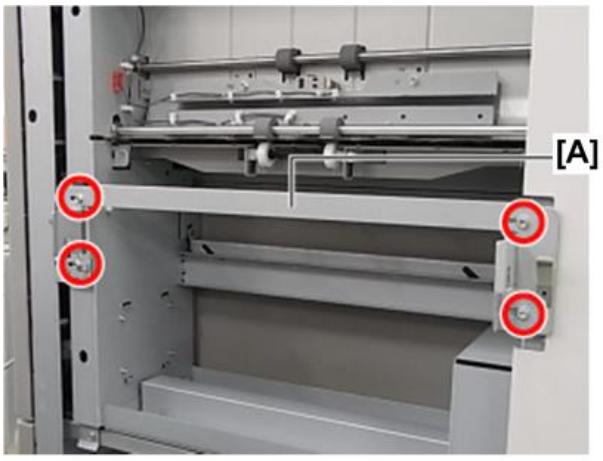


b835i102



b835i103

5. Attach the accessory bracket [A] to the downstream unit (x4 M6x8).



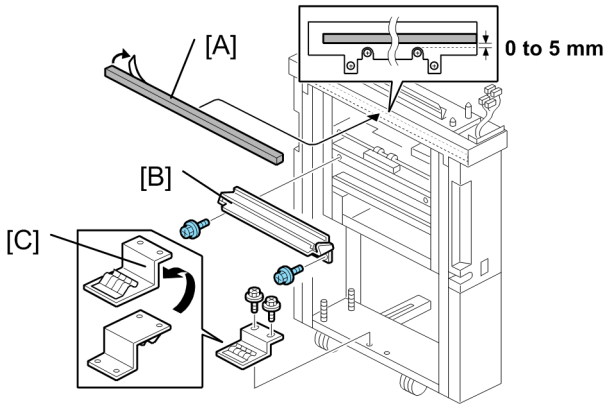
d7381001

6. Peel the tape off the cushion [A] and attach it.

Note

- Two yellow cushions are provided as accessories with the main machine. Use these cushions only if the cover interposer tray will be connected directly to the main machine.
- The gray cushion provided with the cover interposer tray should be attached to the cover interposer tray.

7. Attach the entrance guide [B] (x2).
8. Remove the ground plate [C] from the bottom rail, turn it over, and then attach it at the same location (x2).



b835i107

9. If the decurl unit is installed in the main machine:
   - Attach a screw at the hole marked by the red circle (marked [A]) on the guide provided with the main machine.
   - If the decurl unit is not installed in the main machine, attach the guide provided with the cover interposer tray.

d7381002

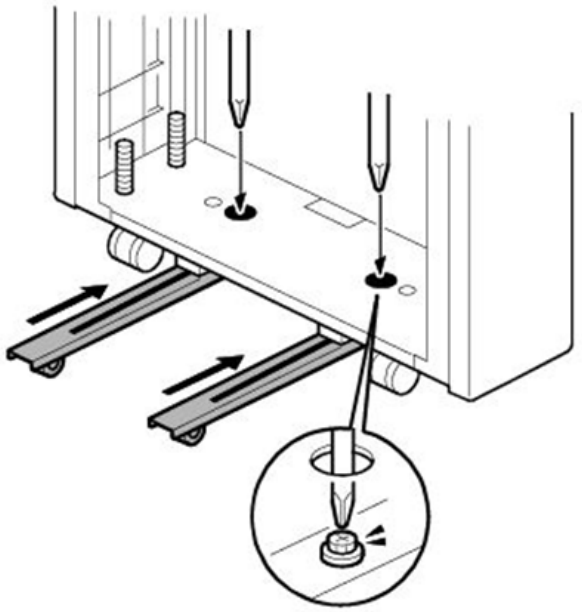
10. Attach the joint bracket [A] provided with the cover interposer tray (x4 M4x8).

d7381003

⚠CAUTION

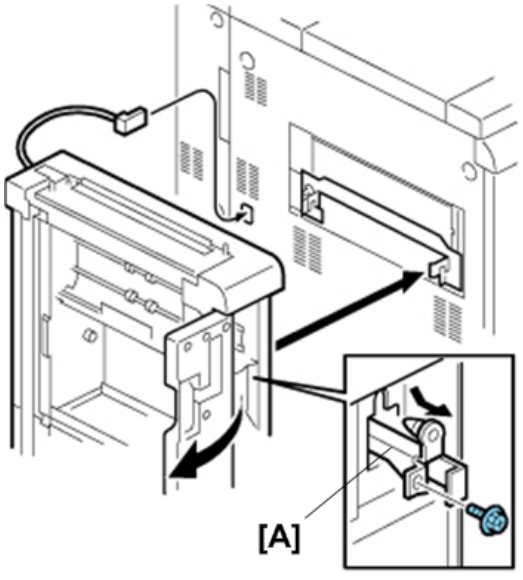
- The unit is top heavy and can tip easily once the casters are unlocked and pushed under the unit.

11. Loosen the screws to unlock the casters, carefully move the unit to the side of the downstream unit, and then push both casters under the unit.



d7381004

12. Release the lock lever [A], push the unit against the side of the machine, push in the lock lever, and then re-attach the screw (x1).l
13. Connect the I/F connector (x1).

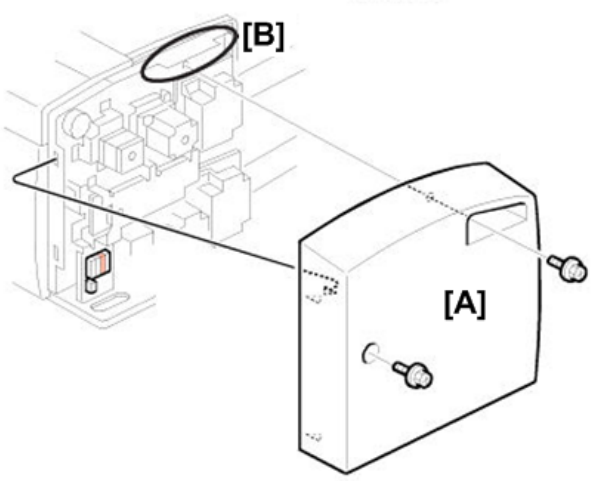


d7381005

14. Remove the rear cover of the feed unit [A] (x2).

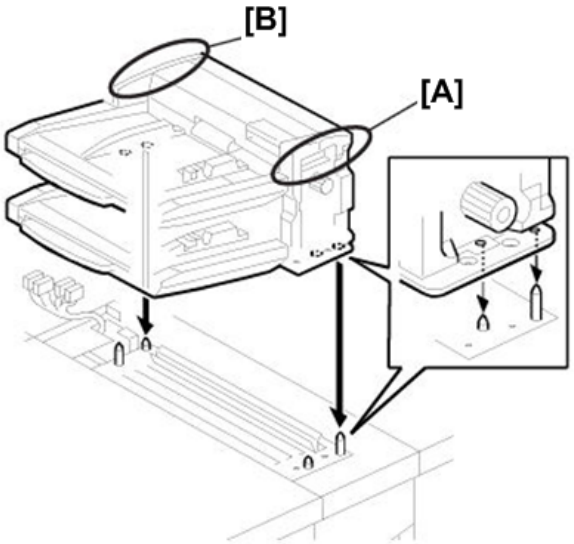
Note

- When you re-attach the cover, be sure that it engages correctly with the catch at [B].



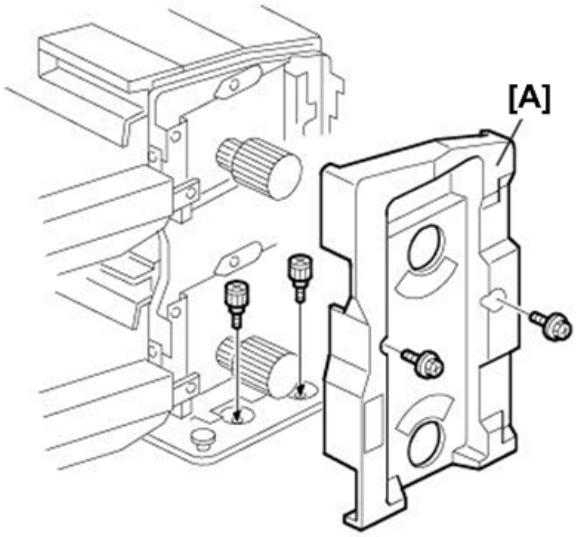
d7381006

15. While holding the feed unit by the handles [A] and [B], lower the unit onto the pins below.



d7381007

16. Remove the cover [A], attach the knob screws, and then re-attach the cover (x2,x2).

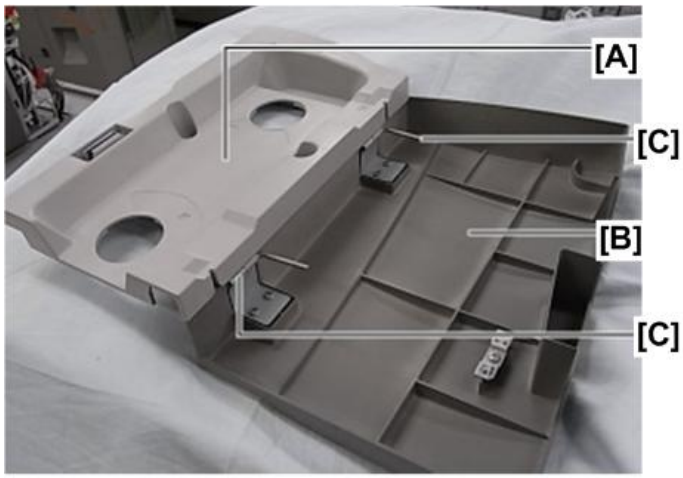


d7381008

17. Attach the front spacer [A] (x1 M4x10).

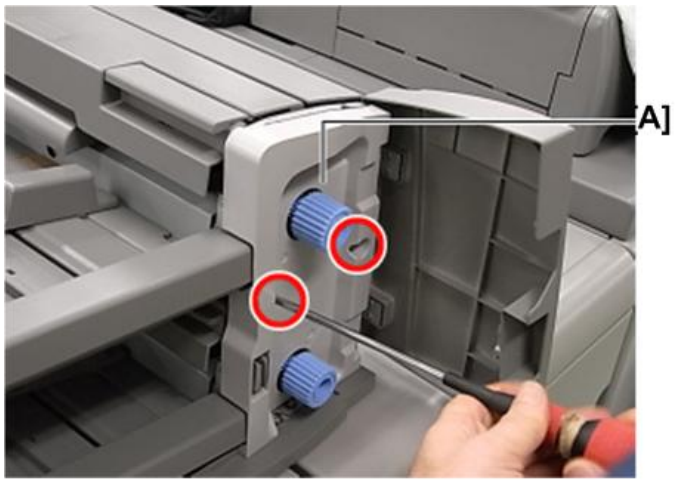
d7381009

18. Attach the cover [A] to the front door [B] with “L” pins [C].



d7381010

19. Attach the front cover [A] (x2).

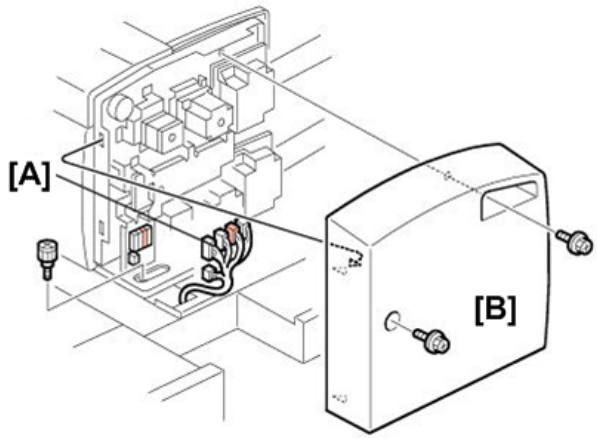


d7381011

20. Connect the back of the feed unit [A] (x1, x5).
21. Attach the rear cover [B] (x2).

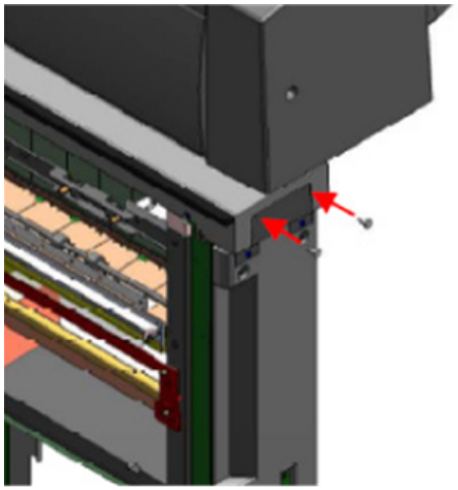
Important

- Check the harnesses and make sure that they are not pinched.



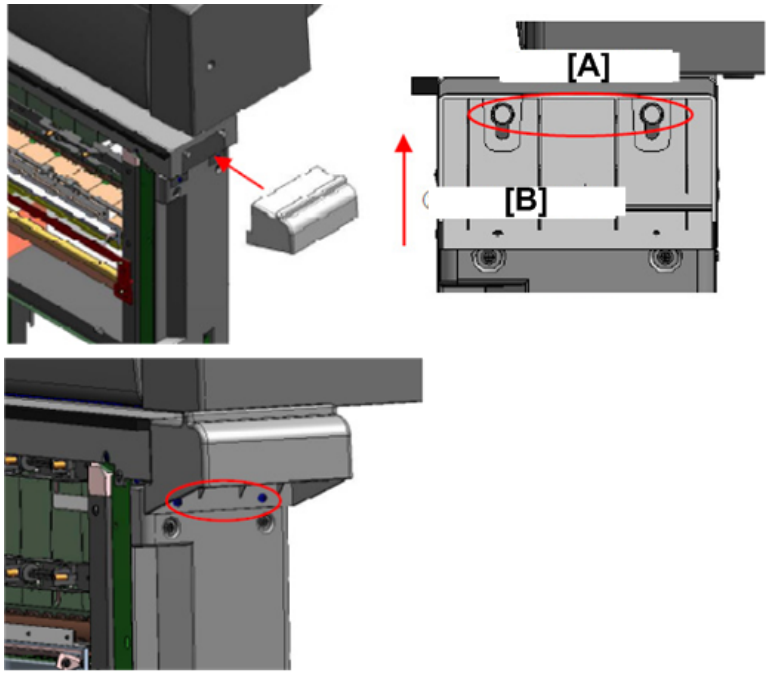
d7381012

22. Attach the step screws (x2).



d7381013

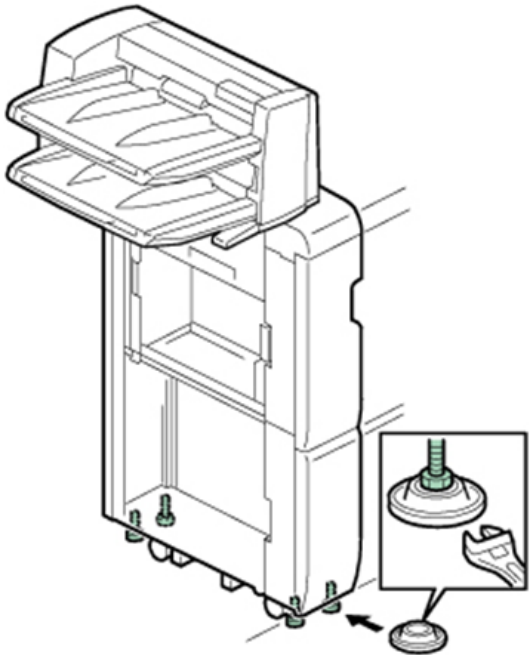
23. Set the auxiliary tray on the four shoulder screws [A], slide the tray up [B], and then fasten the tray (x2).



d7381014

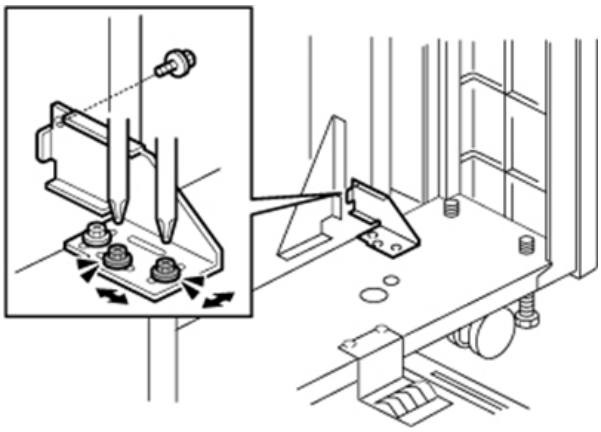
24. Install the four shoes, and then adjust the height of the unit so that it is level with the main machine.

25. Make sure that the unit is level with the main machine.



d7381015

26. To connect the base of the cover interposer tray to the downstream unit, remove the rear cover of the downstream unit, and then use the accessory screws for the base of the cover inserter tray.



d7381016

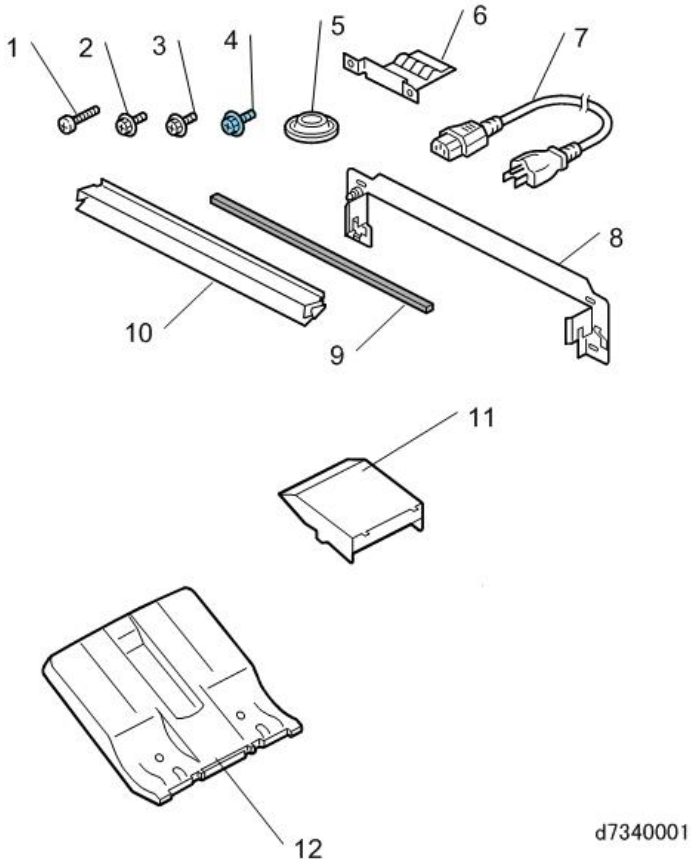
27. Be sure to tighten the screws so that there is no slippage between the units.

Finishers SR5050/SR5060

- Finisher SR5050
- Booklet Finisher SR5060

Accessories

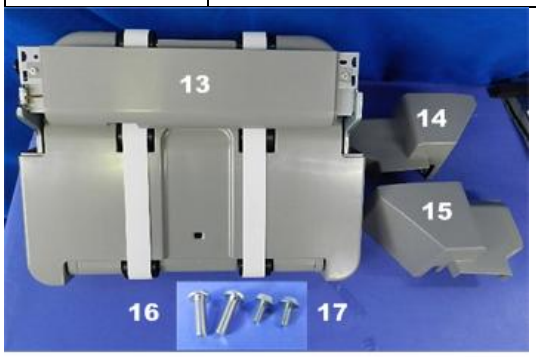
Check the quantity and condition of the accessories in the box against the following illustration and list.



No.	Description	Q'ty
1.	Screws M4x14 (Joint Bracket)	4
2.	Screws M3x8 (Shift Tray)	4
3.	Screws M3x6 (Ground Plate)	2
4.	Screws M3x6 (Paper Guide)	2
5.	Leveling Shoes	4
6.	Ground Plate	1
7.	Power Cord*[1]	1
8.	Joint Bracket	1
9.	Sponge Strip	1
10.	Entrance Guide Plate	1
11.	Auxiliary Tray – Z-Fold Paper	1
12.	Shift Tray	1

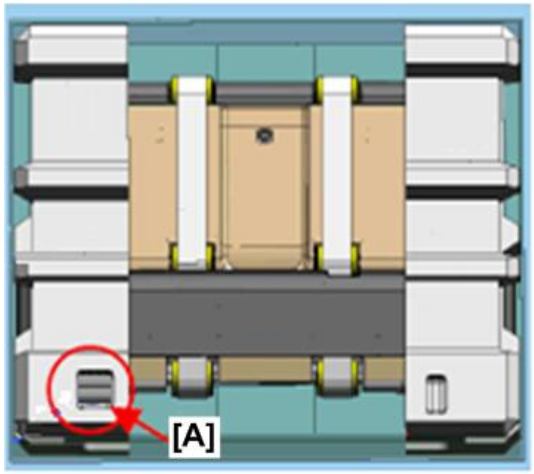
*1: In China, do not use this power cord provided with this unit's accessories. Contact your supervisor and use the power cord specified for use in China.

No.	Description	Q'ty
13.	Booklet Tray (SR5060)	1
14.	Front Cover	1
15.	Rear Cover	1
16.	Screw M4x14*1	2
17.	Screw M3x8*1	2



d7340024

*1	Screws 16 and 17 are packed in the bubble wrap of the Booklet Tray box at [A]. Unpack the box carefully and confirm that these screws have been provided.



d734b0033

Installation

⚠CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

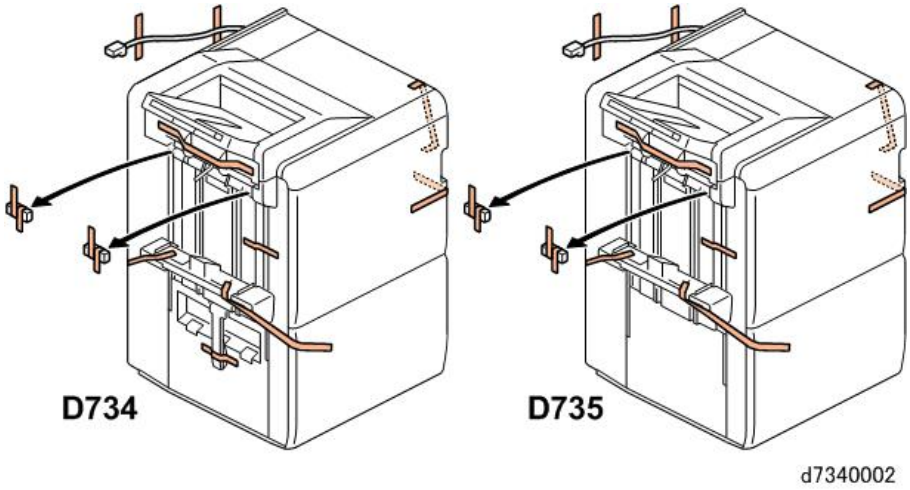
Tapes, Retainers, Shipping Plates

Important

- The shipping plates prevent the staple unit from moving during transport. The plates should be kept and

re-attached before the unit is transported to another location.

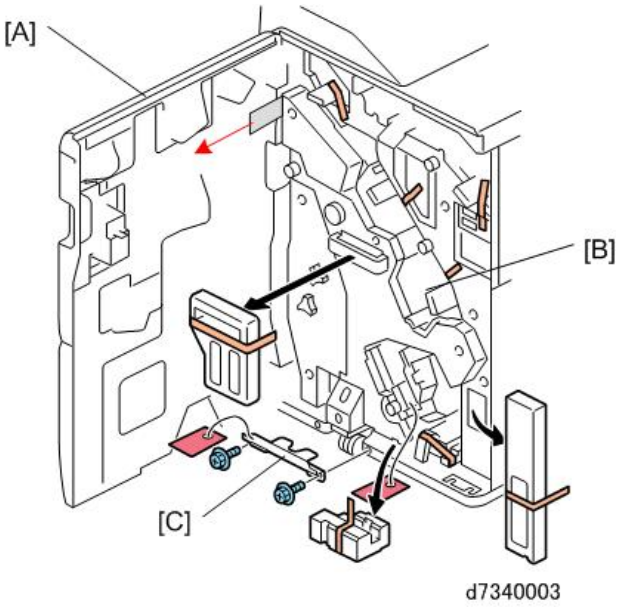
1. Remove all tapes and packing material from the external coves.



2. Open the front door [A].
3. Remove:

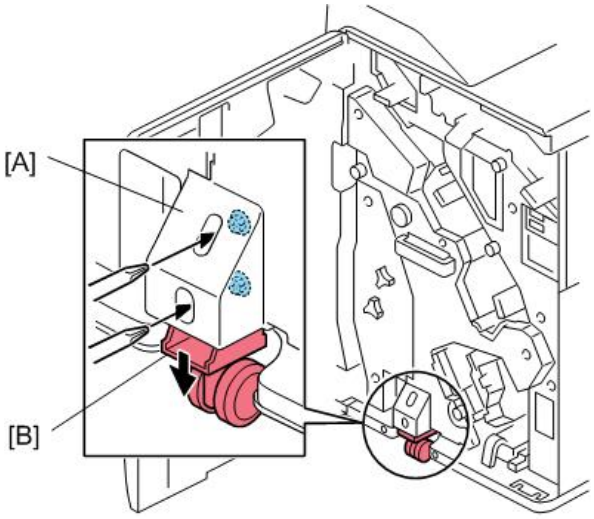
   [B] Tapes, retainers inside

   [C] Tag, wire, shipping plate (x2)



4. Loosen the screws of the caster cover [A] (x2).
5. Push the caster [B] down until it touches the floor.

6. With the caster touching the floor, tighten the caster cover screws.

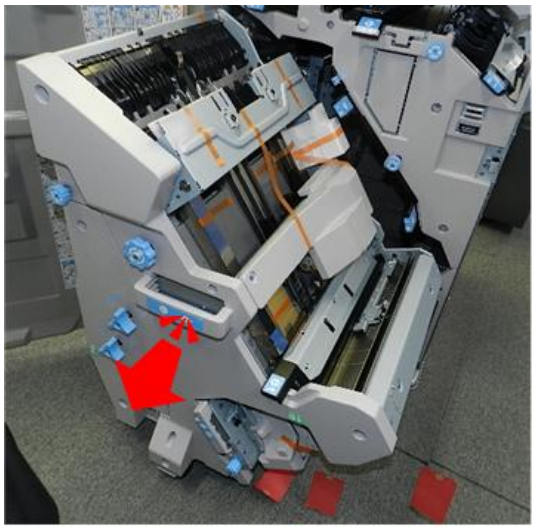


d7340004

⚠CAUTION

- This relieves stress on the rails of the stacker/stapler unit when it is pulled out of the machine.

7. Slowly, pull the stacker/stapler unit out until it stops.
8. Remove all visible tapes and packing materials.



d7340005

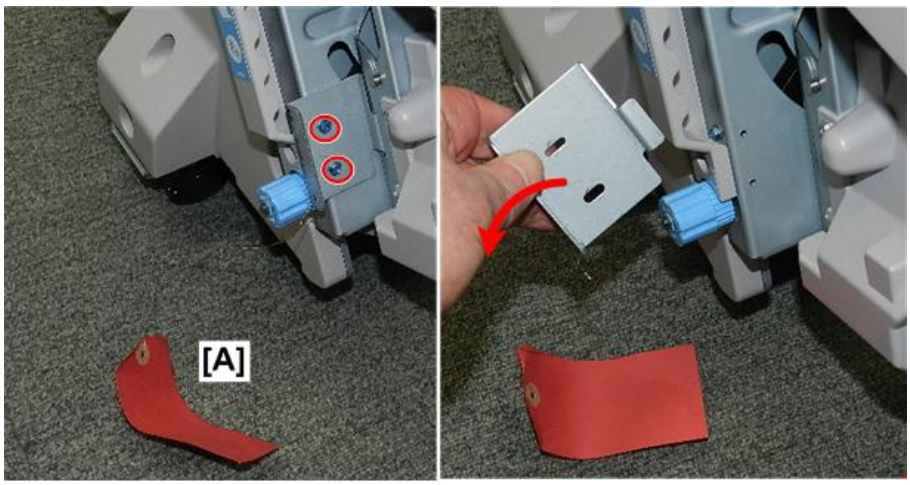
9. At the right, front corner remove the tag, wire, and screw (x1).

d7340017

Important

- If the screw is not removed, the machine will issue an SC error.

10. At bottom front [A], remove the plate, wire, and tag (x2). Slide the plate out.

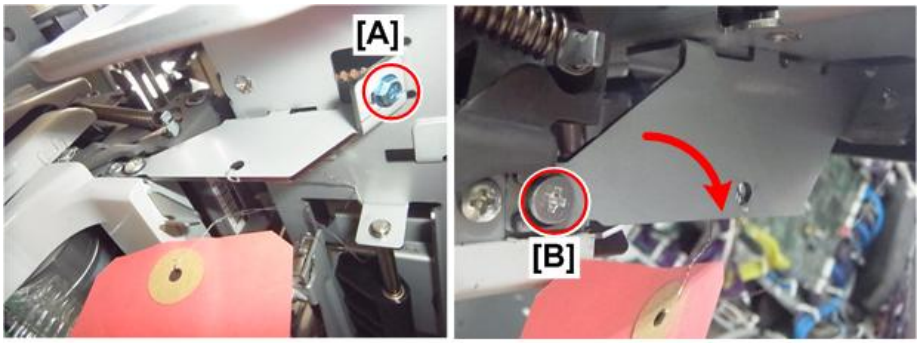


d7340018

11. At the right corner, remove the plate, wire, and tag.
    - Remove screw [A] (x1).
    - Slide the plate out.

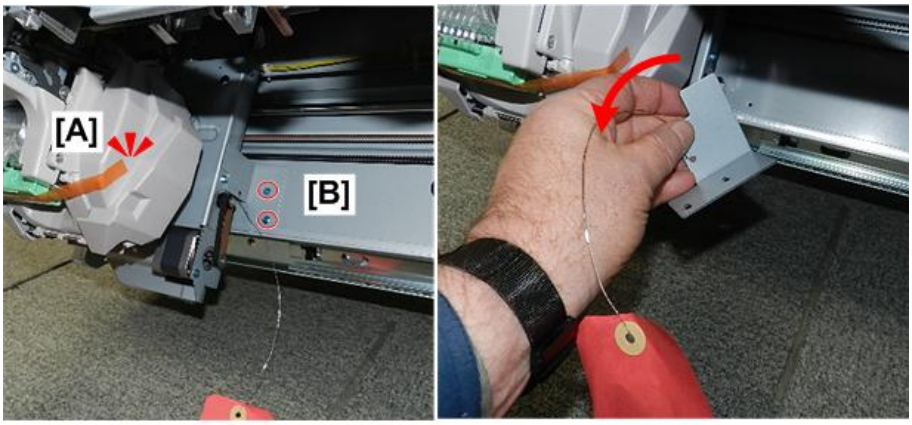
Important

- Do not loosen screw [B]. This is a step screw that holds other brackets in place. Screw [B] must remain in the unit.



d7340019

12. Remove the tape from the stapler [A].
13. Remove the plate, wire, and tab [B] (x2).

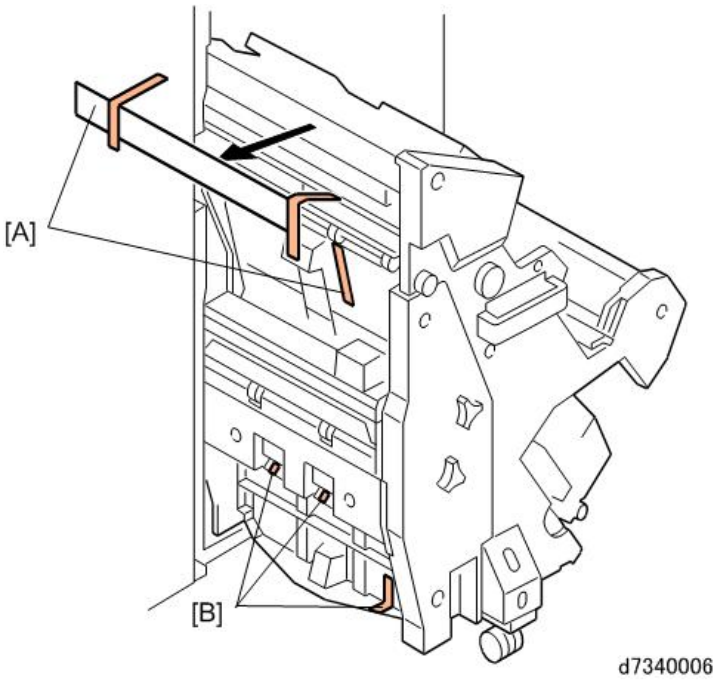


d7340020

14. On the left side of the stacker/stapler unit, remove:

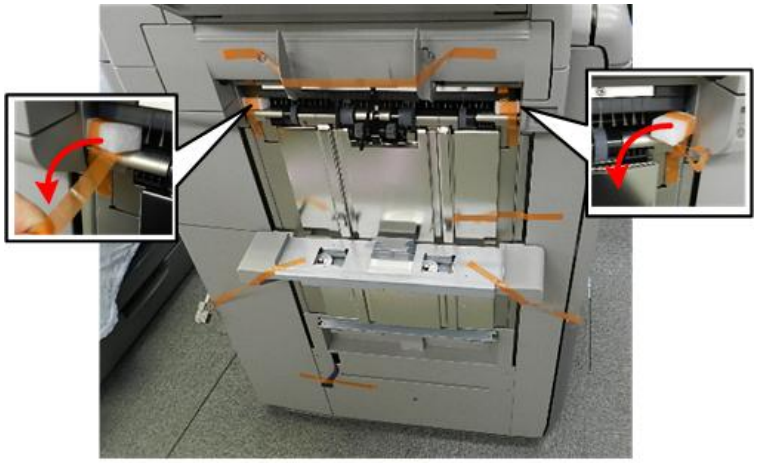
    [A] Tapes, retainer at top

    [B] Tapes at bottom



d7340006

15. On the left side, remove all tape and cushions.



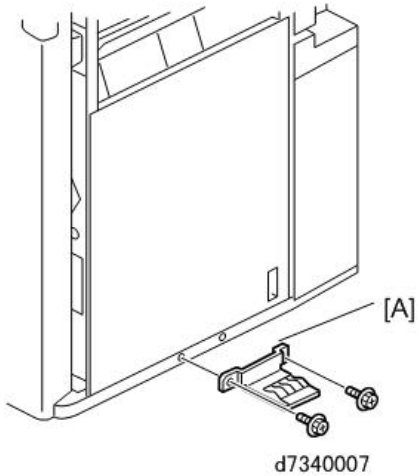
d7340022

16. At the rear, remove tape from the power cord.

d7340023

Ground Plate

1. Attach the ground plate [A] to the bottom right edge of the unit (x2 M3x6).

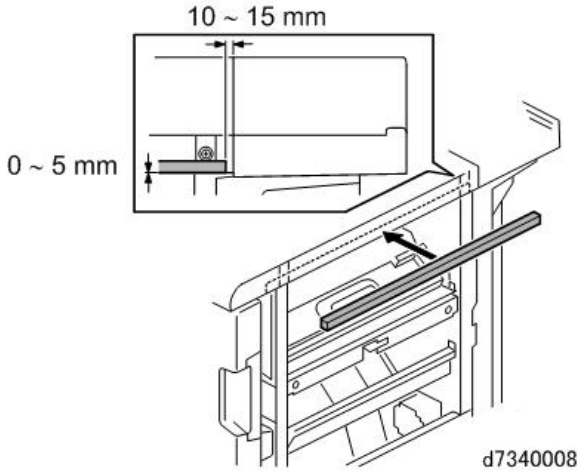


d7340007

Sponge Strips

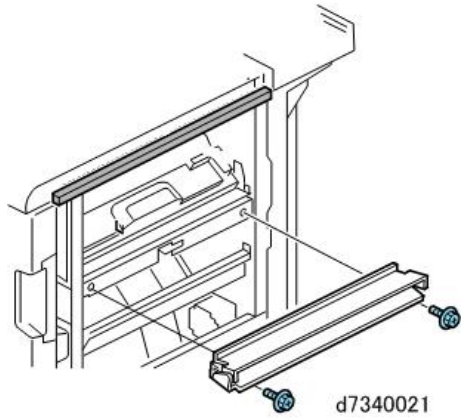
1. Peel the tape from the sponge strip.

2. Attach the strip to the top right edge of the unit.



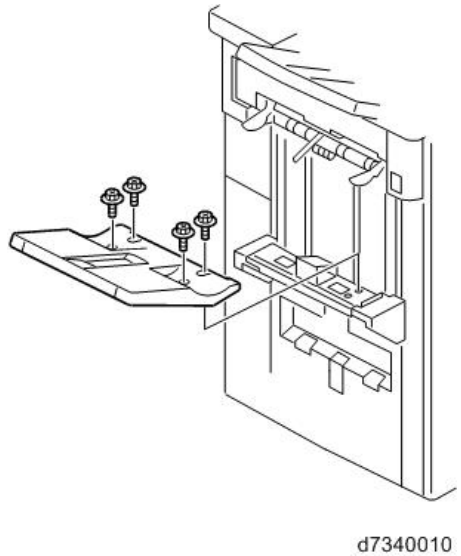
Entrance Guide

1. Attach the entrance guide plate to the finisher (x2).



Shift Tray

1. Attach the shift tray to the left side of the unit (x4 M3x8).

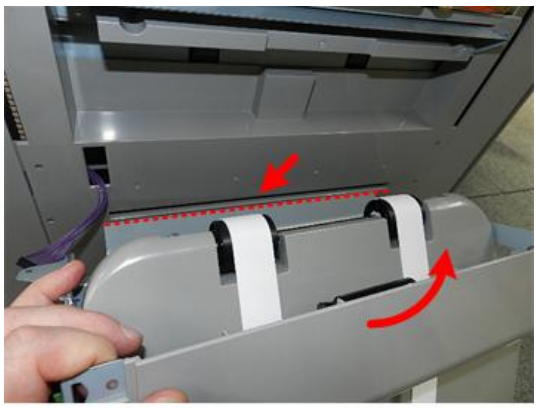


Booklet Tray

1. On the left side, pull out the interface cable.

d7340025

2. Align the edge of the plate on the tray with the slot on the side of the finisher, and then rotate the finisher up against the side of the machine.

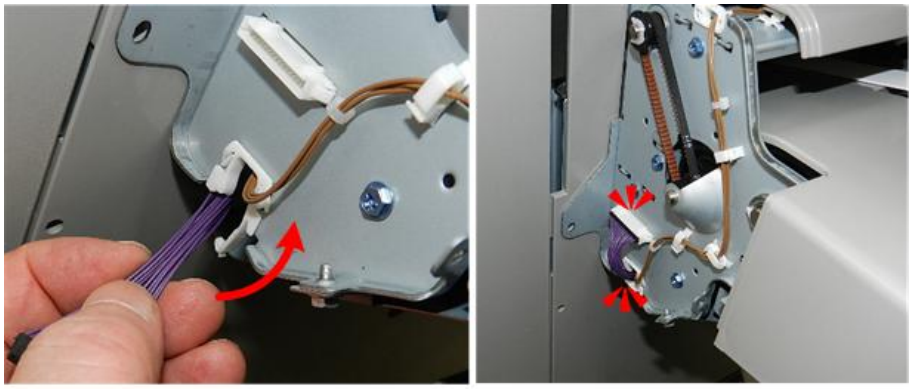


d7340026

3. Make sure that the tabs at the rear [A] and front [B] are inserted in the slots.

d7340027

4. Connect the interface cable (x1, x1).

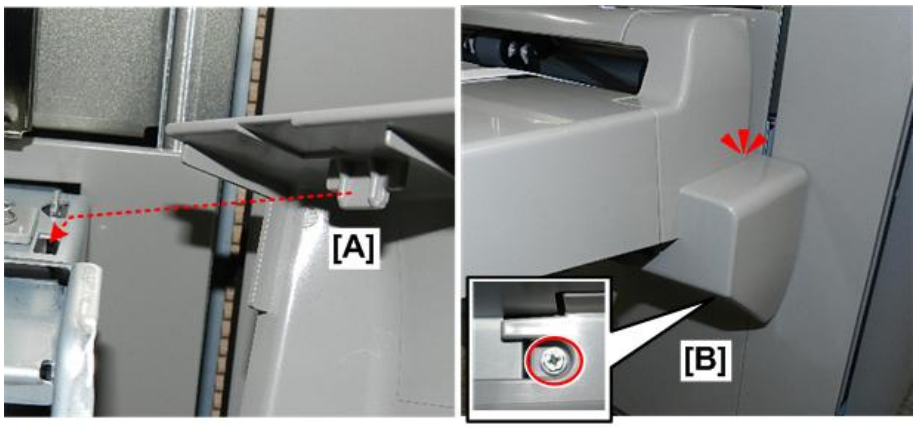


d7340028

5. Fasten the bottom of the tray at the rear [A] and front [B] (x2 M3x8).

d7340029

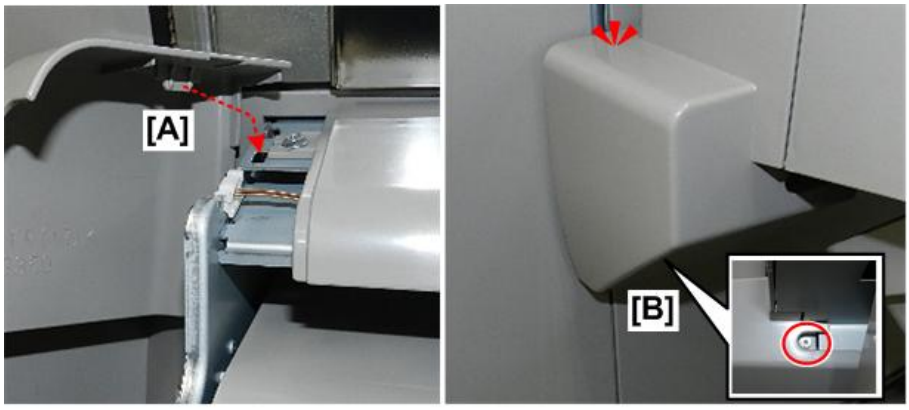
6. Set the tab of the front tray cover [A] into the hole in the tray frame.
7. Fasten the cover at the bottom [B] (x1 M3x8).



d7340030

8. Set the tab of the rear tray cover [A] into the hole in the tray frame.

9. Fasten the cover at the bottom [B] (x1 M3x8).



d7340031

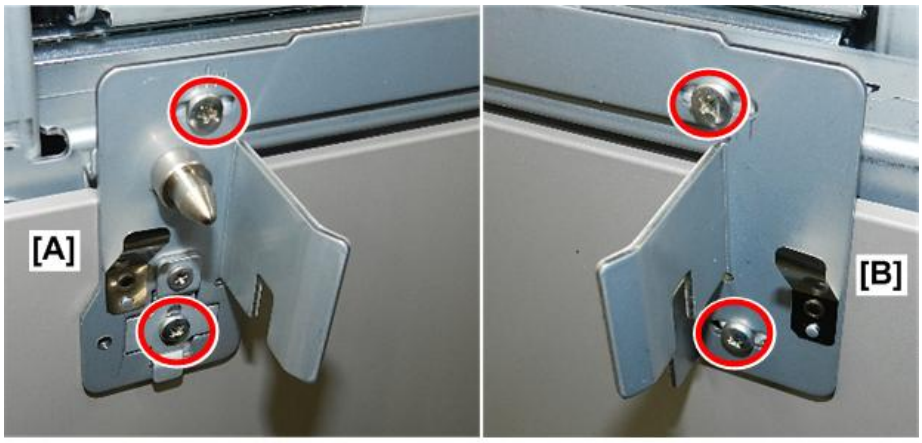
This completes installation of the booklet tray.

Docking

1. Fasten the joint brackets at rear [A] and front [B] to the upstream unit (x4 M4x14).

Important

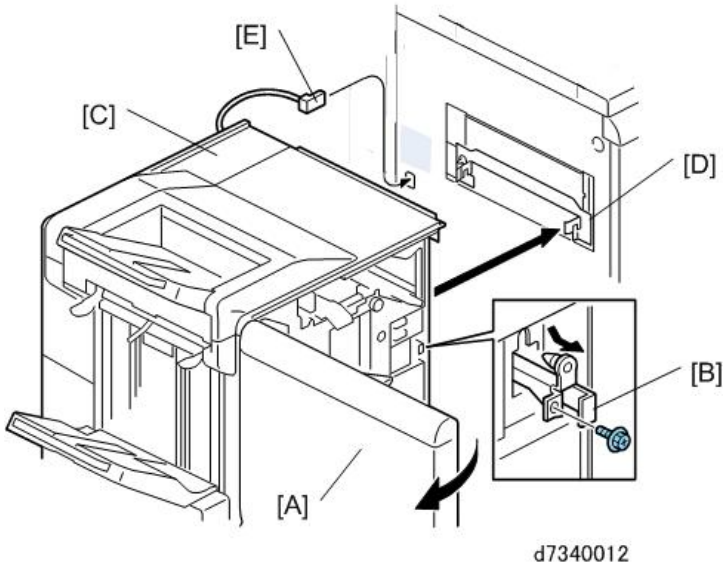
- To prevent interference with the Decurl Unit (if it is installed), remove and use the Decurl Unit screws to attach the upper left and right corners of the bracket (x2).



d7340032

2. Open the front door [A] of the unit.
3. At the front right corner, remove the screw of the lock bar [B] (x1 M3x6). **Keep this screw.**
4. Pull the lock bar toward you until it stops.
5. Slowly push the unit [C] towards the left side of the upstream unit (or main machine) so that the lock bar is

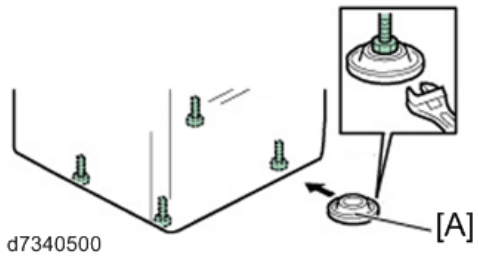
directly and squarely under the arms of the joint bracket [D].



Important

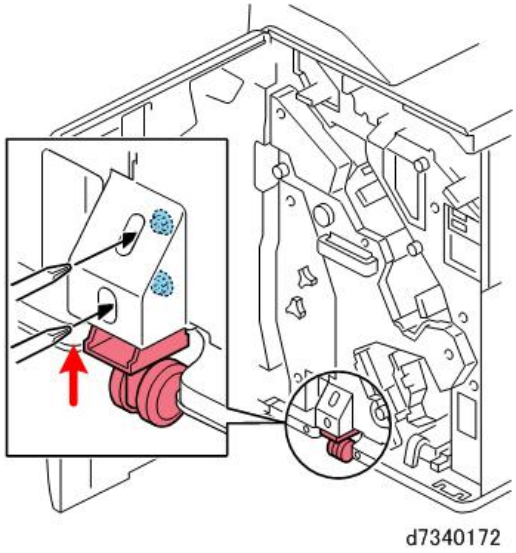
- The caster should be loose and floating free before you adjust the height of the finisher. Push the caster up and fasten it in place after adjusting the height of the finisher.

6. Check the height of the finisher against the side of the machine.
7. If the finisher is not at the same height as the machine, raise or lower the feet [A] with the accessory wrench.
8. Close the front door of the finisher.

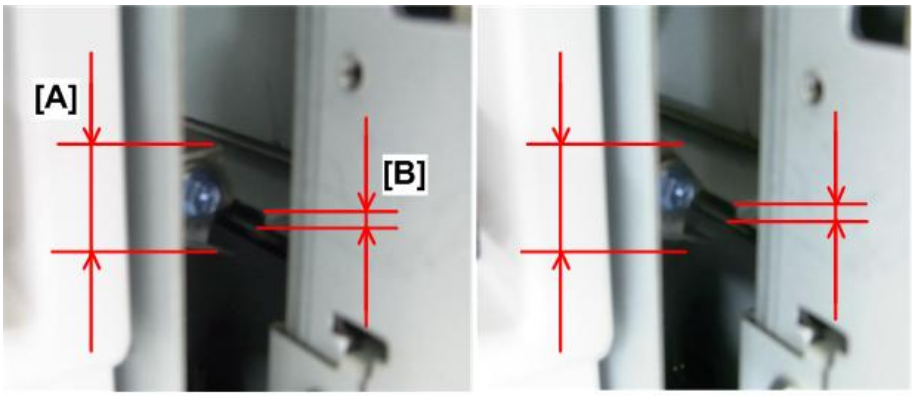


9. Push the caster up until it stops and is not touching the floor.

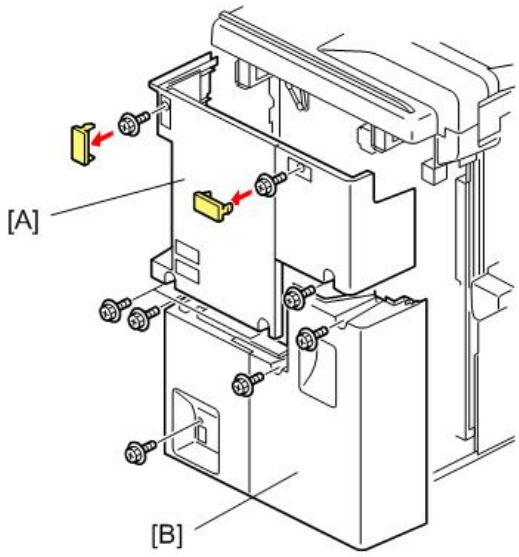
10. Tighten the caster cover screws (x2).



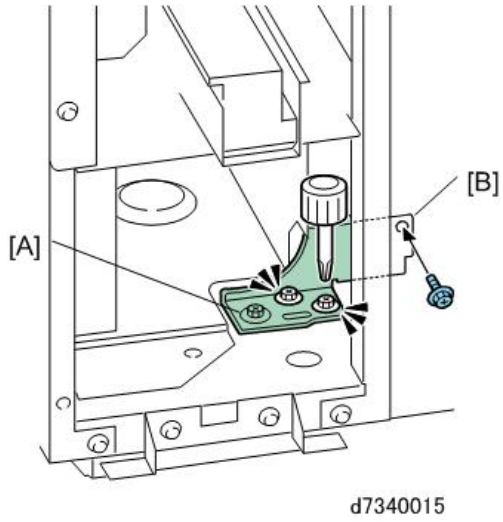
11. Attach the I/F cable [E] (see the diagram for step 5) to the upstream unit.
12. Push the finisher close to the side of the upstream unit.
13. Make sure that the height of the finisher entrance [A] is at the same height as the upstream unit‘s paper exit [B].



14. Push the finisher closer to the side of the upstream unit, and then once again confirm that the height of the finisher entrance still matches the height of the upstream unit exit.
15. If the exit and entrance are not at the same height, adjust the height of the finisher.
16. Push the finisher against the side of the upstream unit.
17. Push the lock bar in completely so that it slides up into the notches in the arms on both ends of the joint bracket.
18. Fasten the lock bar by re-attaching the screw removed in **Step 3**. (x1)
19. Remove:
    [A] Rear upper cover (Caps x2, x5)
    [B] Rear lower cover (x4)



20. Use a short screwdriver to loosen the bracket [A] (x3).
21. Fasten the bracket to the upstream unit at [B] (x1).

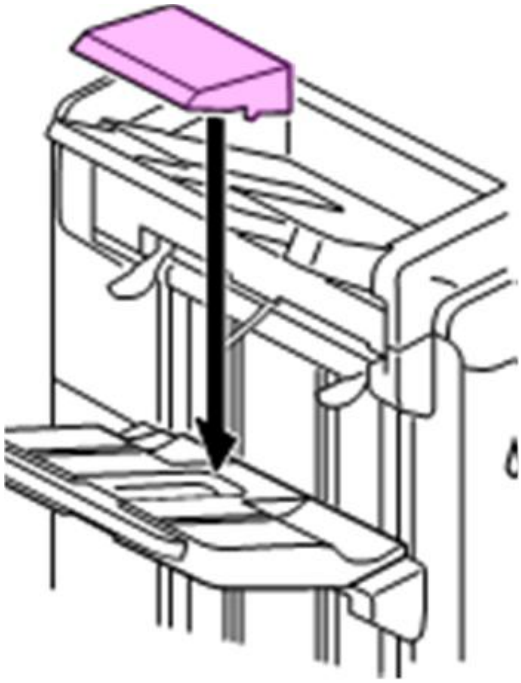


22. Tighten the screws (x3).
23. Re-attach the rear covers.

Auxiliary Tray

1. Instruct the operator about when to use the auxiliary tray.

2. Before feeding Z-folded paper from the Multi Folding Unit, set the Z-fold auxiliary tray on the shift tray.



d7340171

Finishing the Installation

1. Connect the power cord to the unit

Important

- In China, do not use this power cord provided with this unit's accessories. Contact your supervisor and use the power cord specified for use in China.

2. Check the height of the finisher against the height of the machine, and then adjust the height of the finisher if necessary.
3. Load some B4 paper in the 2nd tray of the main machine, and make several copies.
4. Check paper skew and side-to-side registration and correct if necessary. (Skew and Side-to-Side Registration)

Moving the Finisher

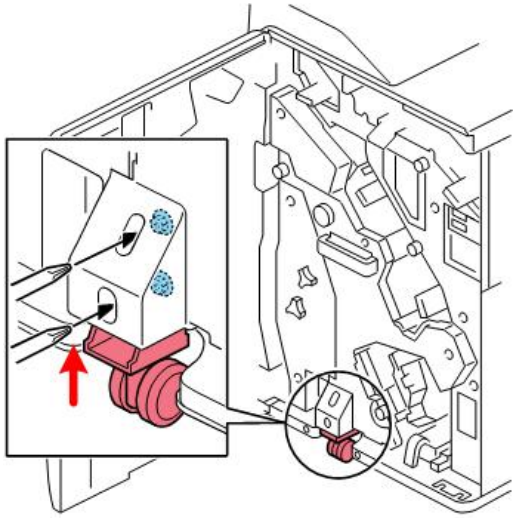
Always observe the following points when moving the finisher.

Important

- To prevent damage to the connection brackets, never attempt to move or change the position of the system with the LCT, the finisher (or any other downstream peripheral) connected.

1. Turn the system off.
   - Press the operation power switch on the left corner of the main machine to turn the machine off.
   - The power-down alert message appears on the operation panel. Wait for the operation panel to turn off.
   - Switch off the main power switch.
2. Unplug the main machine from the power source.
   - Grip the head of the plug firmly, and then pull it out.
   - Never pull on the cord.

3. Disconnect the finisher I/F cord from the upstream unit (or main machine).
4. Make sure that the front door of the finisher is closed.
5. Loosen the screws of the caster cover (x2).



6. Push the caster up until it stops and is not touching the floor.
7. Tighten the caster cover screws.
   - This prevents the caster from snagging on a carpet or door jamb when the finisher is pushed along the floor.
   - After the finisher has been moved to its new location, lower the caster again and tighten the screws.

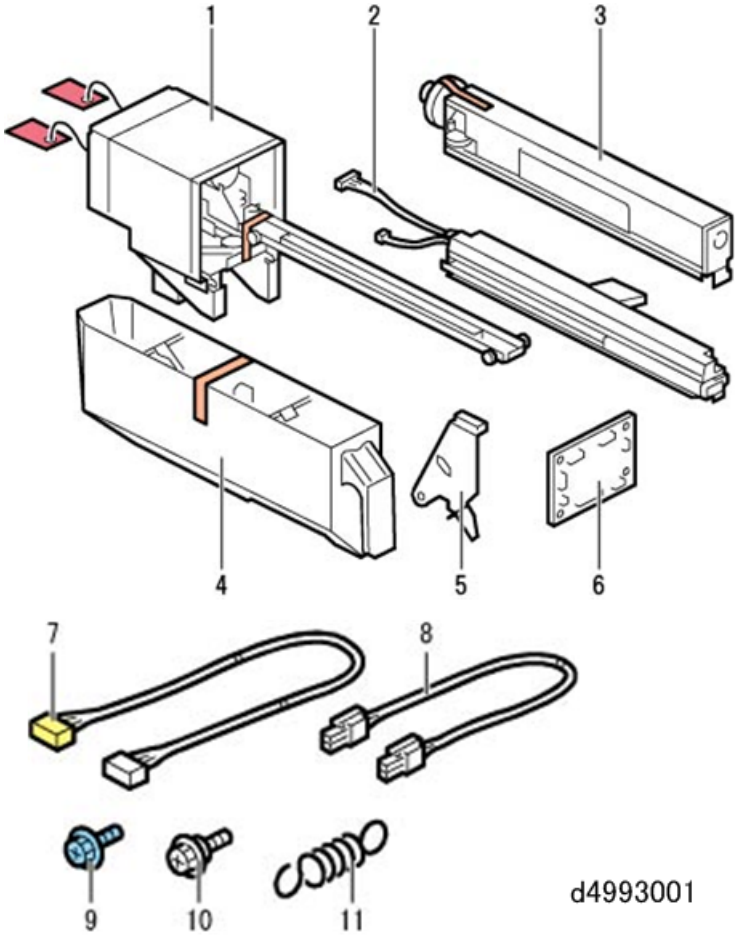
Punch Unit PU5020 NA, EU, SC

This punch unit is an option for the Finisher SR5050 or Booklet Finisher SR5060.

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Punch Drive Unit	1
2.	Punch Unit	1
3.	Punch Registration Unit	1
4.	Punch-out Hopper	1
5.	Sensor Arm and Sensor	1
6.	Punch Control Board	1
7.	Harness: Long	1
8.	Harness: Board Relay	1
9.	Screws M3x6	9
10.	Step Screw	1
11.	Spring	1



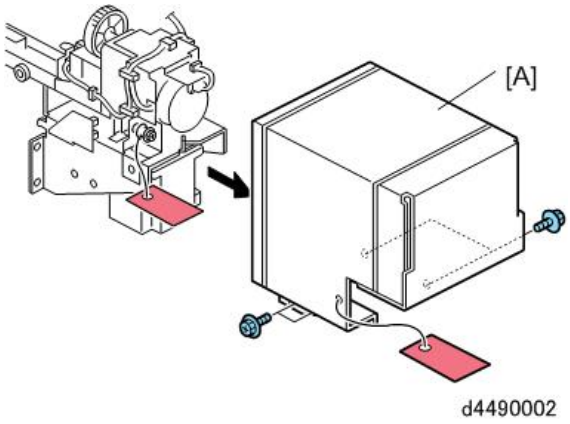
Installation

⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Shipping Materials

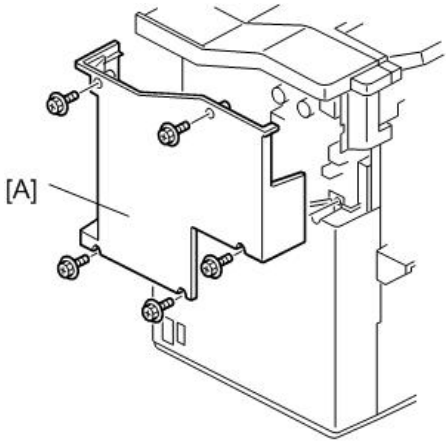
1. Remove the motor protector plate [A] (x4).



d4490002

Rear Cover

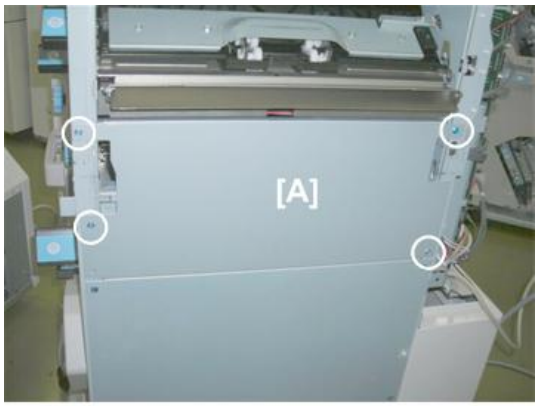
1. Remove the upper rear cover [A] (x4).



d4490003

Right Upper Panel

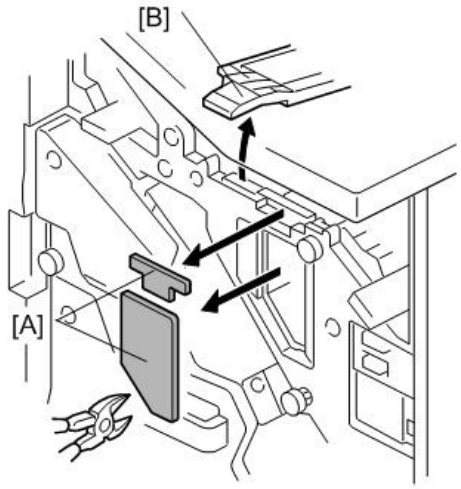
1. Remove the right upper panel [A] (x4).



d4490004

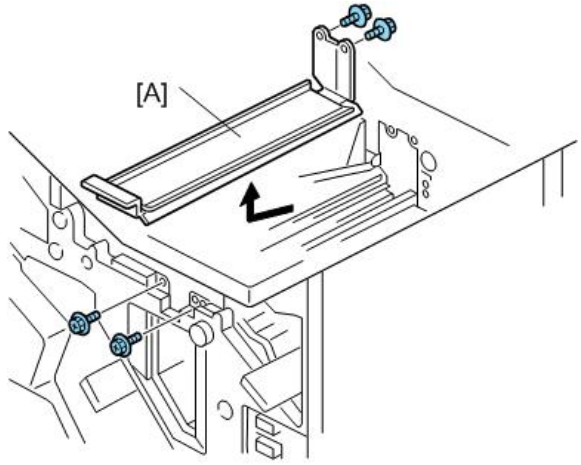
Punch Registration Unit

1. Use a pair of nippers to remove the knockouts [A].
2. Raise and open lever "**RB3**" [B].



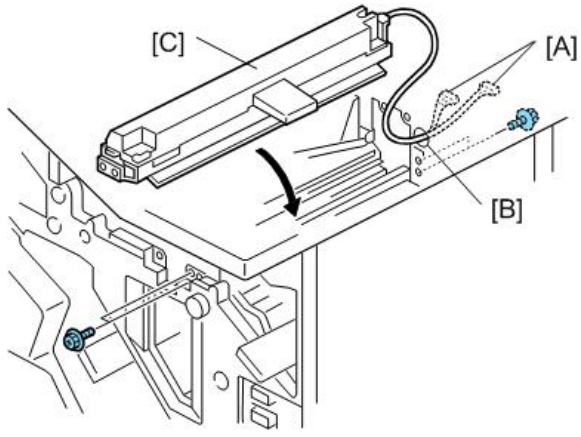
d4490005

3. Remove the plate [A] and discard it (x4).



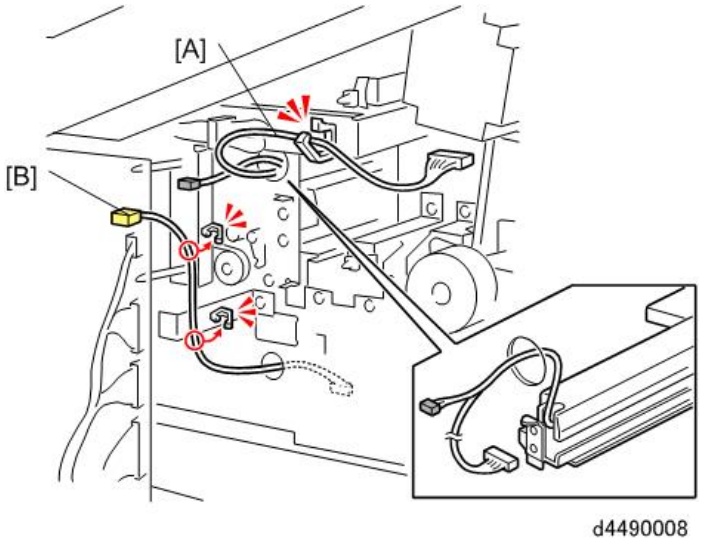
d4490006

4. Insert the harness connectors [A] through the hole [B].
5. Make sure the harness connectors are through the hole completely and visible at the rear of the machine.
6. Set and fasten the punch registration unit [C] (x4, 2 screws each at front and back).



d4490007

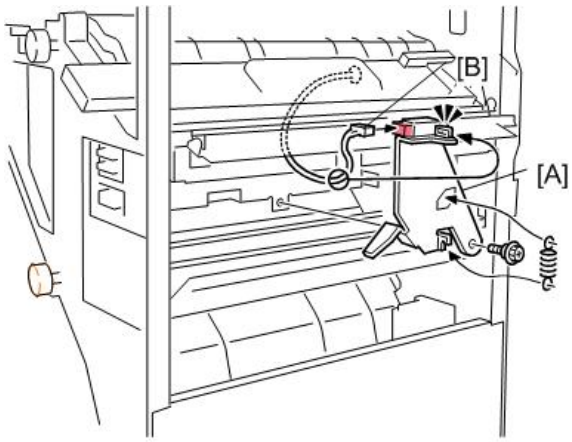
7. Clamp the harness [A] (x4).
8. Clamp the harness [B] (x2).



d4490008

Sensor Arm

1. Attach the sensor arm [A] (x1, x1).
2. Make sure the sensor arm swings freely on the step screw and spring.
3. Attach the harness [B] to the sensor on top of the arm.

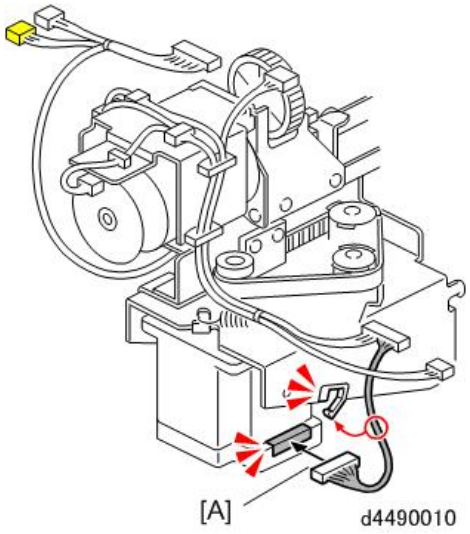


d4490009

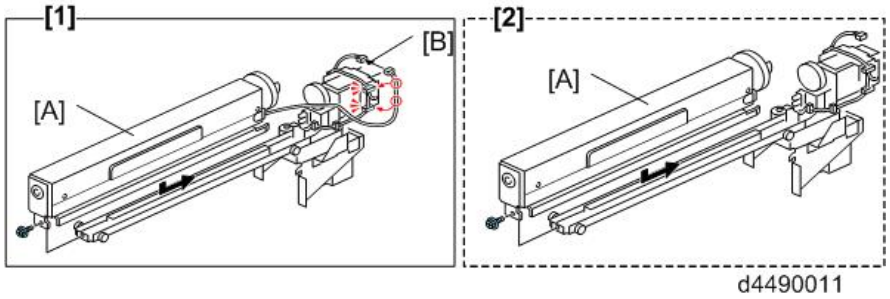
Punch Drive Unit, Punch Unit

2.Installation

1. On the punch unit, connect the harness [A] (x1, x1).



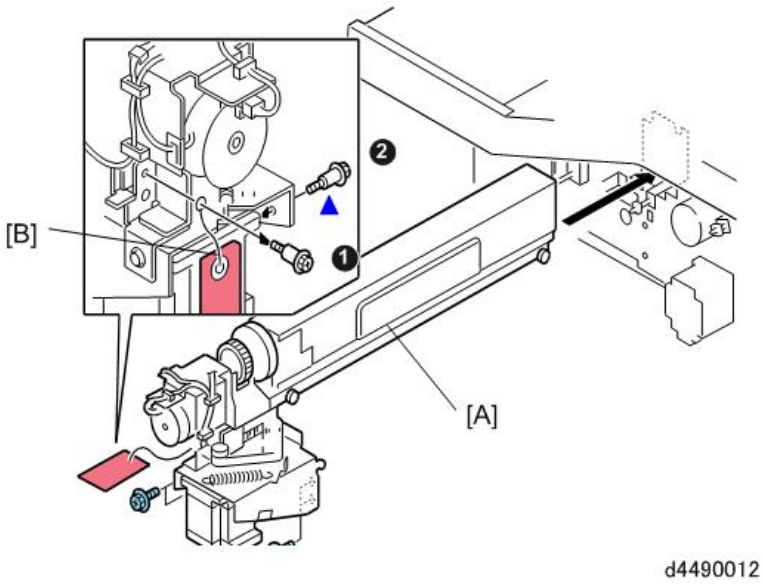
2. Attach the punch mechanism [A] to the rails of the punch unit (x1).
   - If you are installing the punch unit for Europe [1], connect the harness [B] (x1, x2).
   - The punch unit for North America [2] has no punch switching motor, so this harness is not required.



3. At the front, insert the punch unit [A] into the finisher and fasten it (x4).
4. Remove the shoulder screw with the red tag [B], and detach the tag and wire.
5. After removing the screw from hole ①, re-attach it at hole ②.

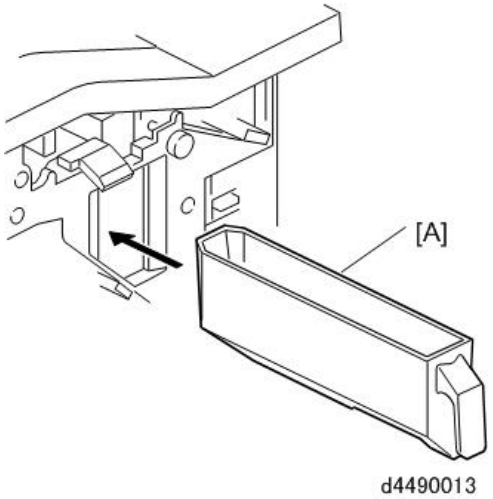
Important

- This screw must remain attached to the punch unit.
- Before removing the punch unit from the finisher, the screw must be removed from hole ② and re-attached at hole ①. This stabilizes the punch unit and prevents it from wobbling from side to side while it is being removed and handled after removal.



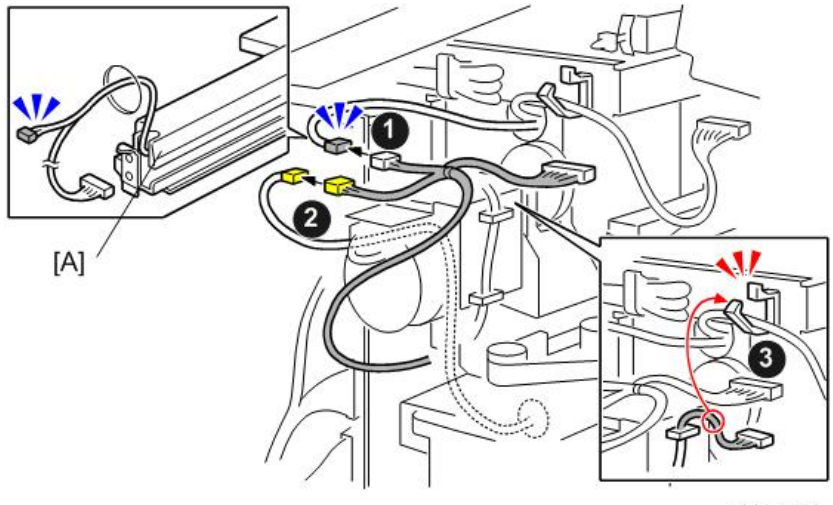
d4490012

6. At the front, slide the punch-out hopper [A] into the finisher.



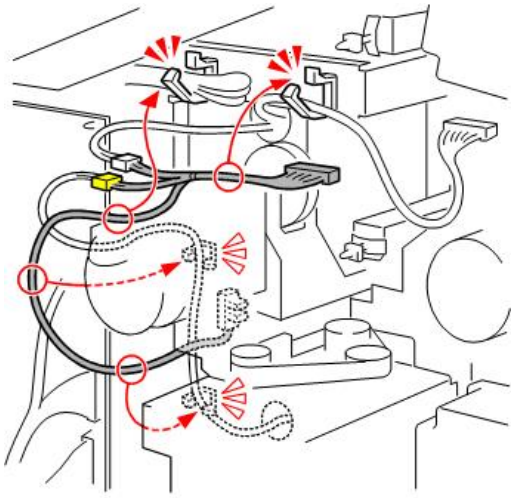
d4490013

7. Route the harnesses from the CIS unit [A] through the hole.
8. Connect the harnesses at ① and ② (x2).
9. If you are installing the punch unit for Scandinavia, fasten the extra connector at ③ (x1).



d4490014

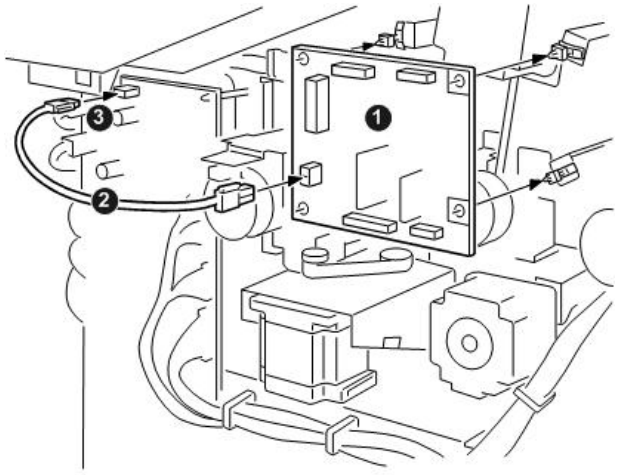
10. Finish clamping the harnesses as shown above.



d4490015

Punch Control Board

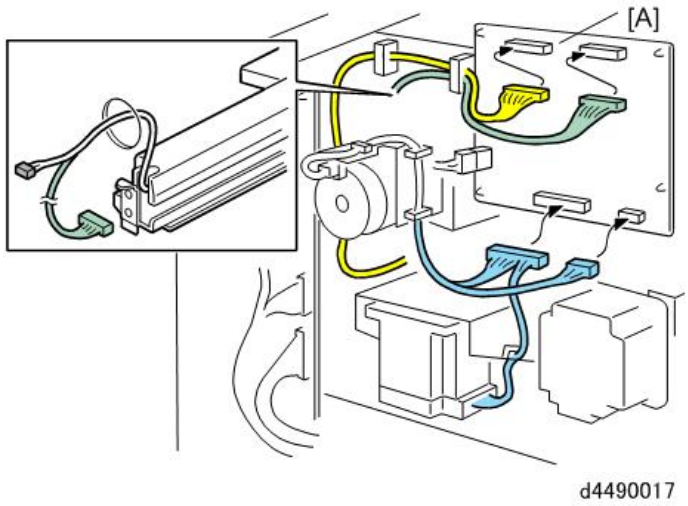
1. Install the punch control board ① (x4).
2. Connect the punch relay harness ② to the punch control board and the punch main control board ③.



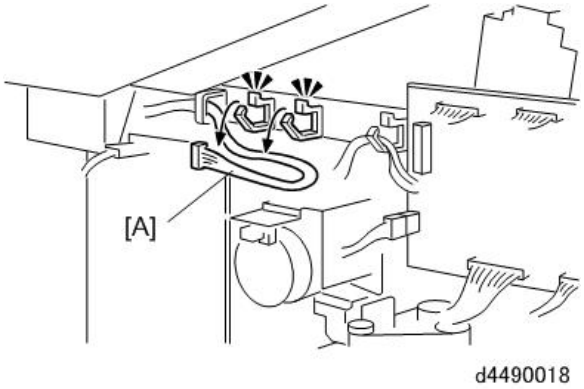
d4490016

Final Connection

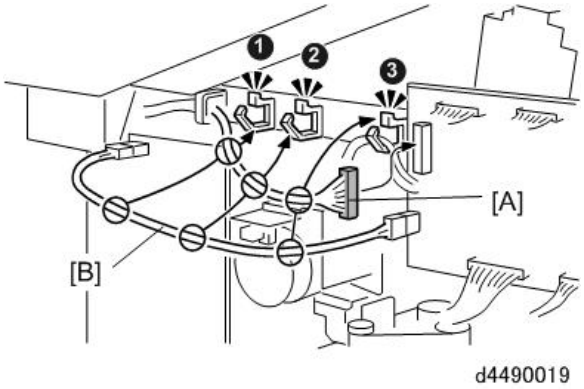
1. Connect the connectors to the punch unit PCB [A] (x2).

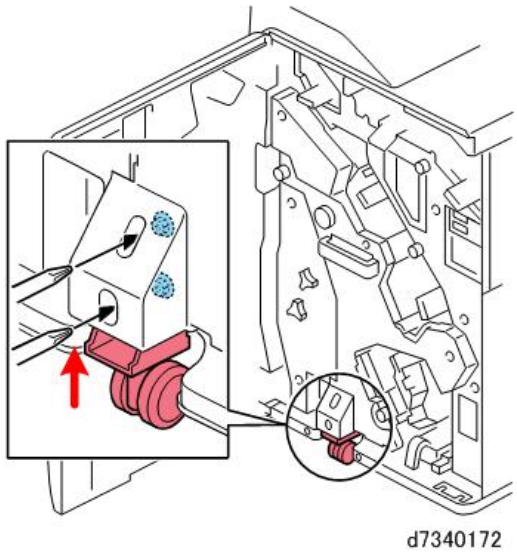


2. Release the harness [A] from the frame (x2).



3. Connect the harness [A] to the punch control board (x1).
4. Gather the harness [A] and the board relay harness [B] and clamp them (x3).





5. Push the caster up until it stops and is not touching the floor.
6. Tighten the caster cover screws.
    - This prevents the caster from snagging on a carpet or door jamb when the finisher is pushed along the floor.
    - After the finisher has been moved to its new location, lower the caster again and tighten the screws.

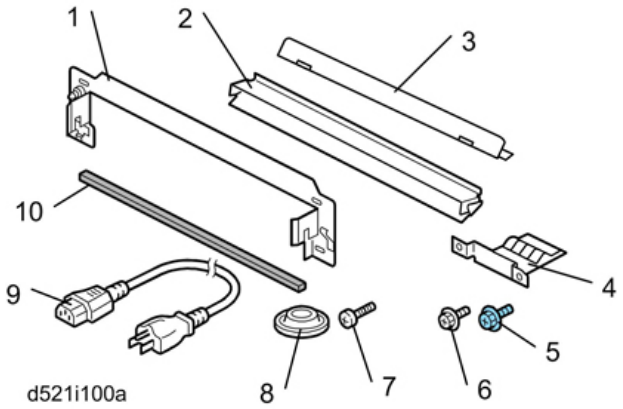
Multi-Folding Unit FD5020

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Joint Bracket	1
2.	Entrance Guide Plate	1
3.	Mylar (for the downstream unit)	1
4.	Ground Plate	1
5.	Screws M3x6	2
6.	Screws M3x6	2
7.	Screws M4x14	4
8.	Leveling Shoes	5
9.	Power Cord*1	1
10.	Sponge Strip	1

*1: In China, do not use the power cord provided with this unit. Contact your supervisor and use the power cord specified for use in China.



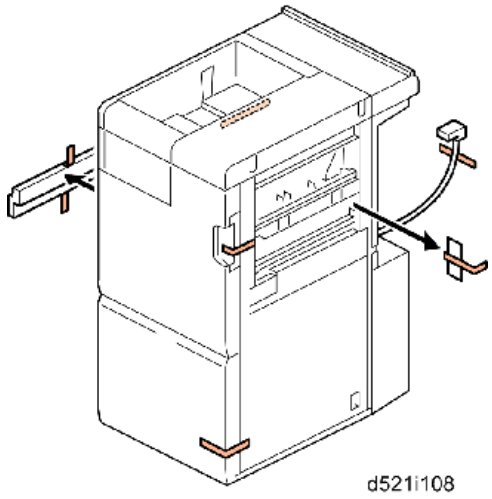
Installation

⚠CAUTION

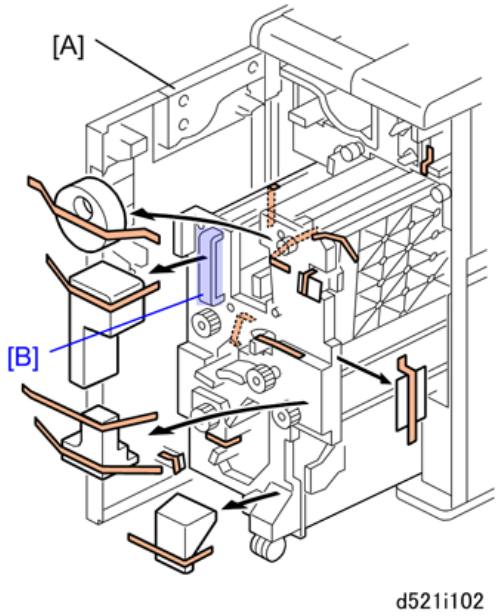
- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedures.

Tapes

1. Remove all tape and packing material from the front, left, rear, and right sides.



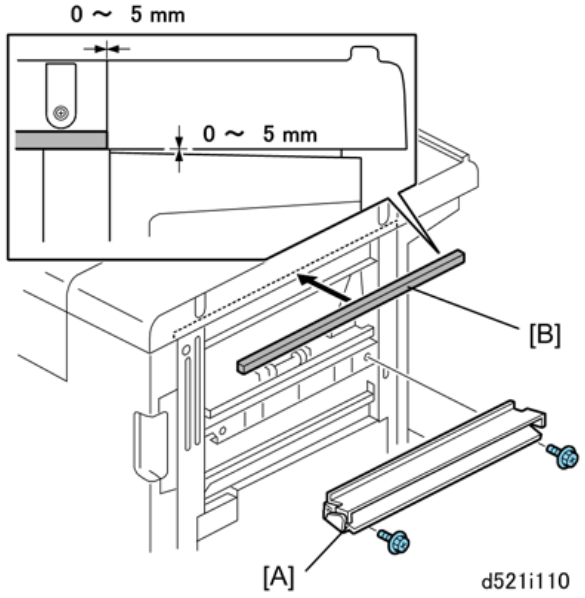
2. Open the front door [A].
3. Grip the handle [B] and slowly pull the folding unit out of the machine.
4. Remove all tape and packing material from inside.



Entrance Guide Plate, Sponge Strips

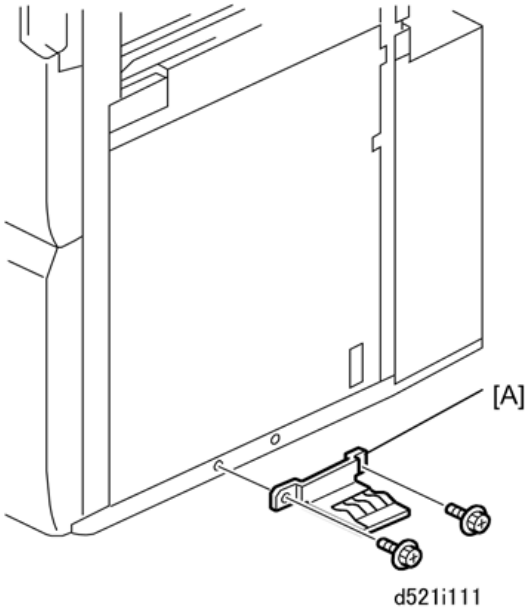
1. Attach the entrance guide plate [A] (x2 M3x6).

2. Peel the tape from the sponge strip [B] and attach the strip to the top right edge of the unit.



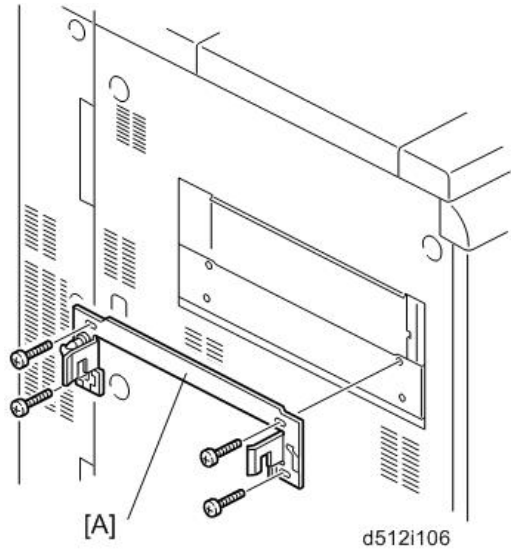
Ground Plate

1. Attach the ground plate [A] to the lower right edge of the unit (x2 M3x6).



Docking

1. Fasten the joint bracket [A] to the left side of the upstream unit (x4 M4x14).



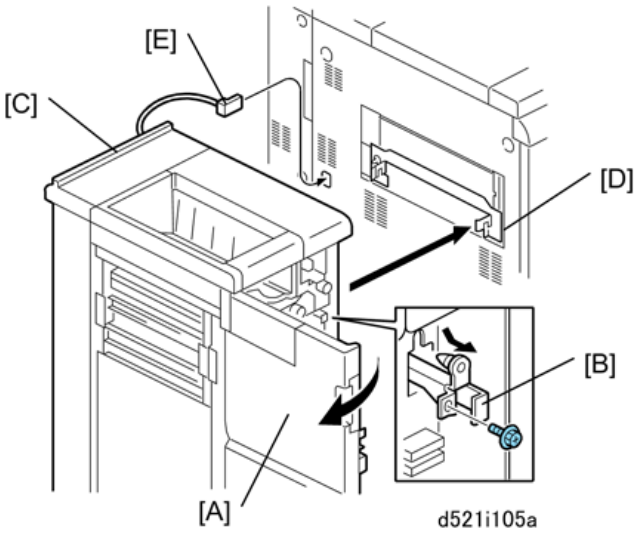
2. Open the front door [A].
3. At the front right corner, remove the screw of the lock bar [B] (x1 M3x6). **Keep this screw.**
4. Pull out the lock bar.
5. Slowly push the unit [C] against the left side of the upstream unit (or main machine) so that the lock bar is directly and squarely under the arms of the joint bracket.
6. Push in the lock bar so that it slides up into the notches in the arms on both ends of the joint bracket [D].
7. Fasten the lock bar by re-attaching the screw removed in **Step 3** (x1).
8. Connect the I/F cable [E] to the upstream unit (or main machine).

Note

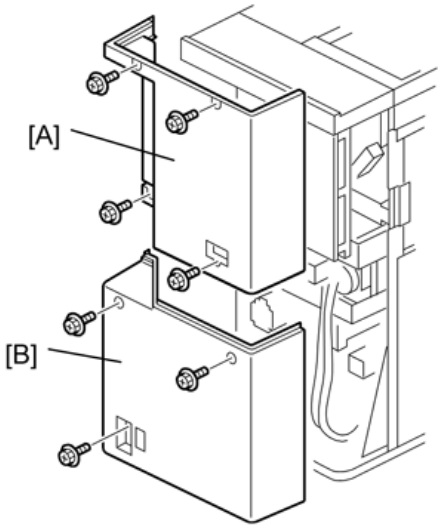
- If you are docking to the main machine, you must first remove the plastic cap at the I/F cable connection point.

Important

- Do the remaining steps only if the Cover Interposer Tray will be installed.

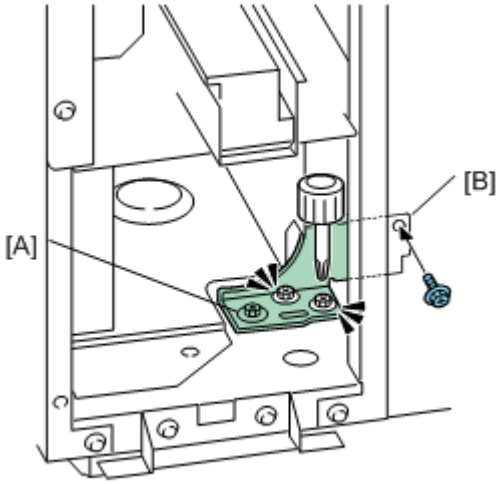


9. Remove:
   [A] Rear upper cover (x4)
   [B] Rear lower cover (x3)



d521i113

10. Use a short screwdriver to loosen the bracket [A] (x2).
11. Fasten the bracket to the upstream unit at [B] (x1).



d457i110

12. Tighten the screws (x3).
13. Re-attach the rear covers.

Removing Parts for the Cover Interposer Tray

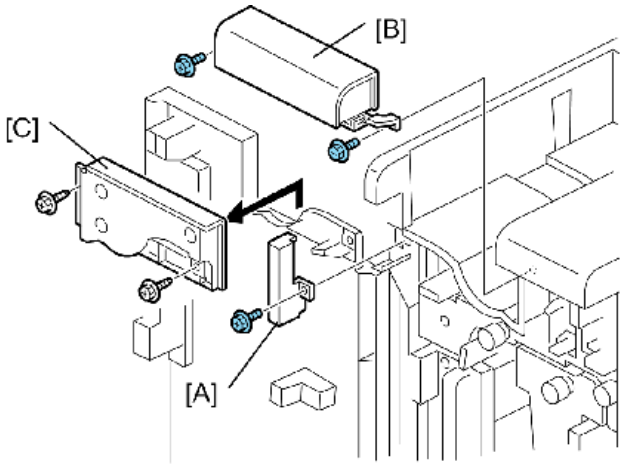
Three parts must be removed before the tray unit of the cover interposer tray can be mounted on top of the Multi Folding Unit.

1. Open the front door.

Important

- The following parts require removal only if the upstream unit is the Cover Interposer Tray.
- These parts must be removed so that the tray unit of the Cover Interposer Tray will fit on top of the Multi Folding Unit.

2. Remove:
   [A] Bracket (x1)
   [B] Cross-piece (x2)
   [C] Metal plate from the door (x2)
3. After removing [B] and [C], reattach [A].



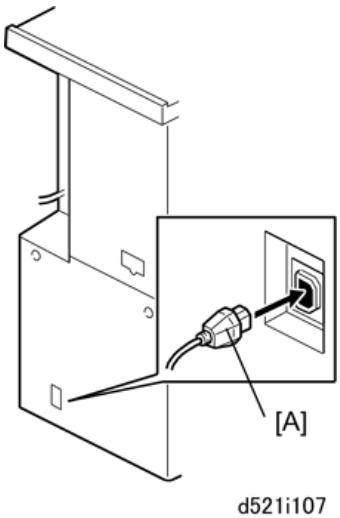
d521i109

Power Cord

1. Insert the power cord socket [A] into the power connection point.

Important

- In China, do not use this power cord provided with this unit. Contact your supervisor and use the power cord specified for use in China.

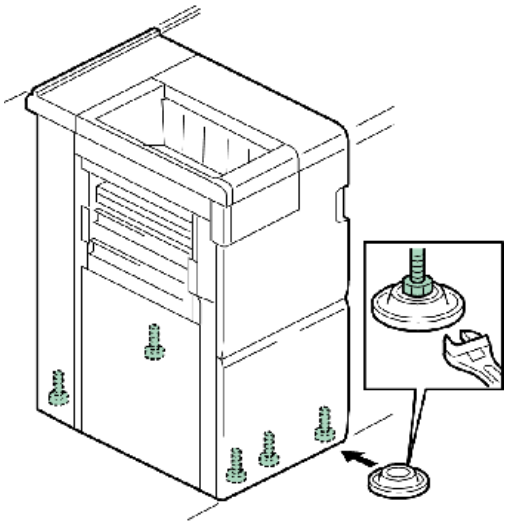


d521i107

2. Connect the power supply cord plug to a power outlet.

Finishing the Installation

1. Set the leveling shoes and adjust the height of the unit.

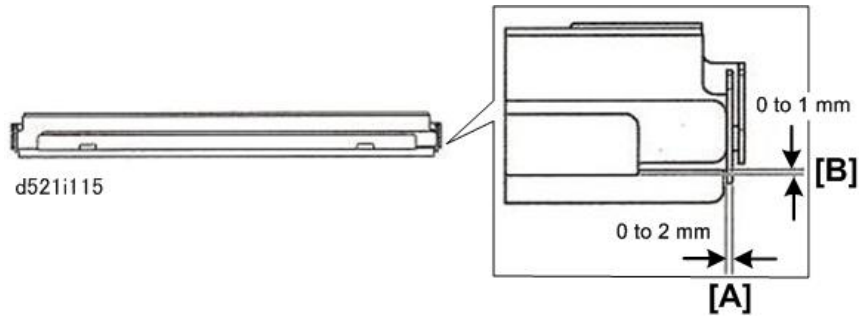


d521i208

2. Load some B4 paper in the 2nd tray of the main machine, and make several copies.
3. Check paper skew and side-to-side registration and correct if necessary.
4. Peel the tape from the accessory mylar strip.

d521i114

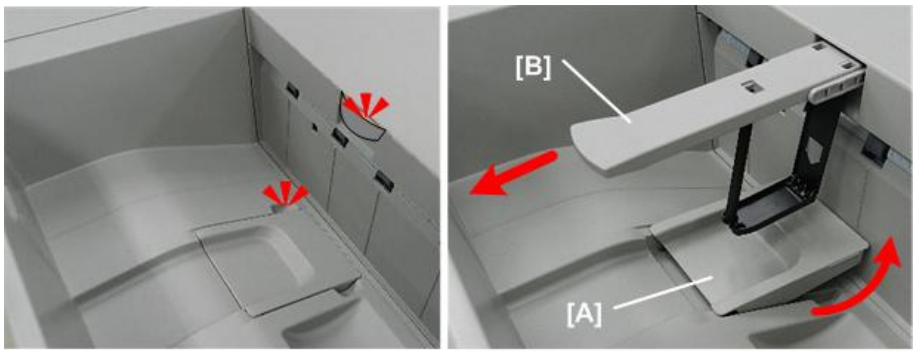
5. Attach the mylar aligned along the edge of the entrance guide plate of the downstream unit.
   - The gap between the mylar and the edge should be within 2 mm at [A].
   - The gap between the mylar and the edge should be within 1 mm at [B].



d521i115

Auxiliary Tray, Fold Depressor

1. Raise the auxiliary tray [A] or pull out the flexible page depressor [B] when required.
   - The auxiliary tray [A] keeps Z-folded paper (FM1) flat in the tray so that the trailing edges do not trigger an early tray full alert in the top tray.
   - The flexible page depressor [B] prevents folded paper (especially FM3 Letter Fold-out sheets) from opening out and triggering an early tray full alert in the top tray.



d521i116

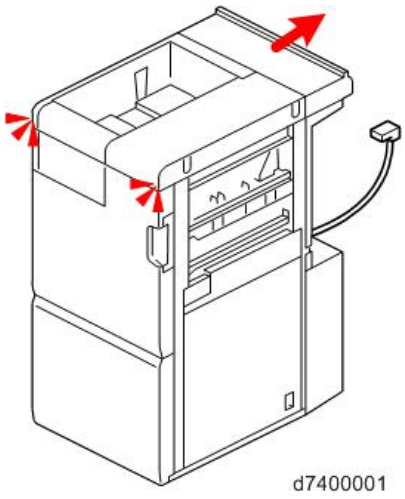
Moving the Multi-Folding Unit

Always observe the following points when moving the Multi-Folding unit.

Important

- To prevent damage to the connection brackets, never attempt to move or change the position of the system with the LCT, the Multi-Folding Unit, (or any other downstream peripheral) connected.

1. Turn the system off.
   - Press the operation power switch on the left corner of the main machine to turn the machine off.
   - The power-down alert message appears on the operation panel. Wait for the operation panel to go off.
   - Switch off the main power switch.
2. Unplug the main machine from the power source.
   - Grip the head of the plug firmly, and then pull it out.
   - Never pull on the cord.
3. Disconnect the unit I/F cord from the upstream unit (or main machine) and downstream unit.
4. Make sure that the front door of the unit is closed.
5. Disconnect the unit power plug.
   - Grip the head of the plug firmly, and then pull it out.
   - Never pull on the cord.
6. When you move the unit:
   - Place your hands on the front left and right corners of the unit.
   - Push the unit in the direction of the arrow.
   - Pushing the unit front-to-rear prevents twisting the delicate frame of the unit.


d7400001

High Capacity Stacker SK5030

High Capacity Stacker

Accessories

Important

The High Capacity Stacker requires installation of the Decurl Unit DU5050.

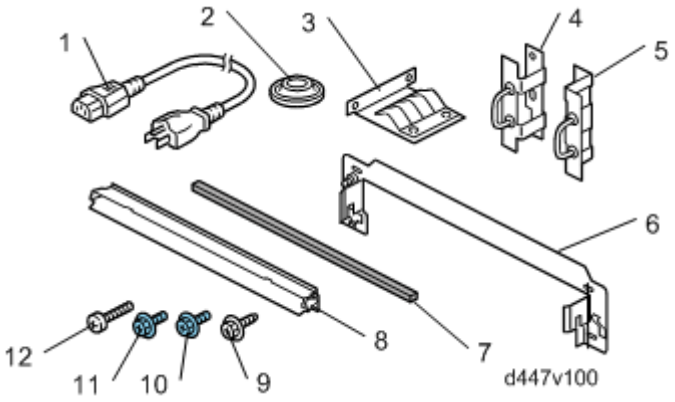
Up to two High Capacity Stackers can be installed in the same line.

If more than one stacker is installed in the line, the software versions for both units must be the same. If the versions are different, then they must be updated to the most recent version available.

Check the quantity and condition of the accessories in the box against the following lists and illustrations.

No.	Description	Q'ty
1	Power Cord*1	1
2	Leveling Shoes	4
3	Ground Plate	1
4	Lock Hasp – Left	1
5	Lock Hasp – Right	1
6	Joint Bracket	1
7	Sponge Strip	1
8	Entrance Guide Plate	1
9	Screw M4x8	2
10	Screw M3x6	4
11	Screw M4x6	2
12	Screw M4x14	4
-	Option Reference Sheet	1

*1 In China, do not use this power cord provided with this option. Contact your supervisor and use the power cord specified for use in China.



Installation

⚠CAUTION

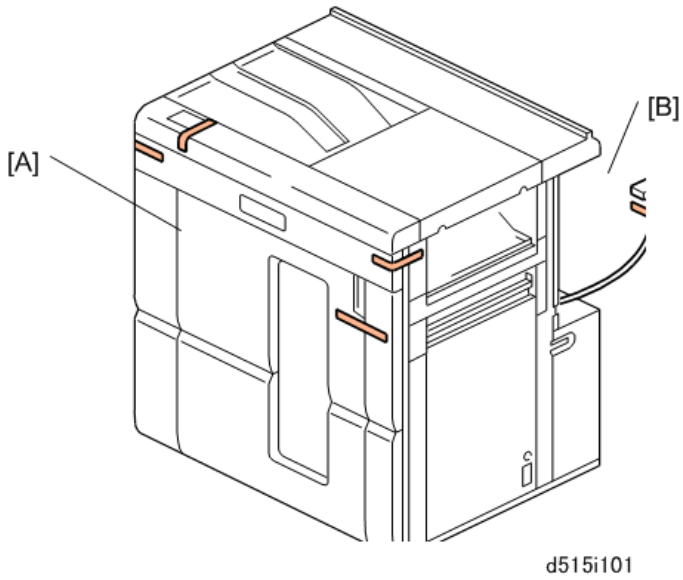
- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure.

Important

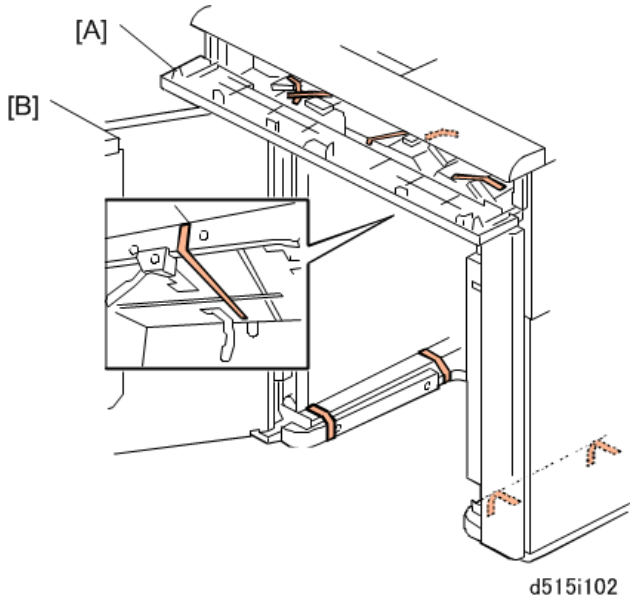
- In order to use a second High Capacity Stacker unit with this system, you will need to upload another software program into the machine firmware before connecting the second unit. For more details, contact your supervisor.

Shipping Tapes

1. Remove all visible tape from the front [A] and back [B].



2. Open the front panel [A] and remove all visible tapes.
3. Open the front door [B] and remove all visible tapes.

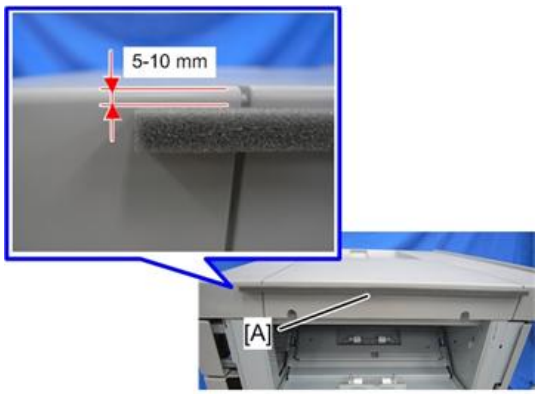


Entrance Guide Plate, Sponge Strips, Ground Plate

1. Remove the tape from the sponge strip [A] and attach the strip to the top right edge of the unit.

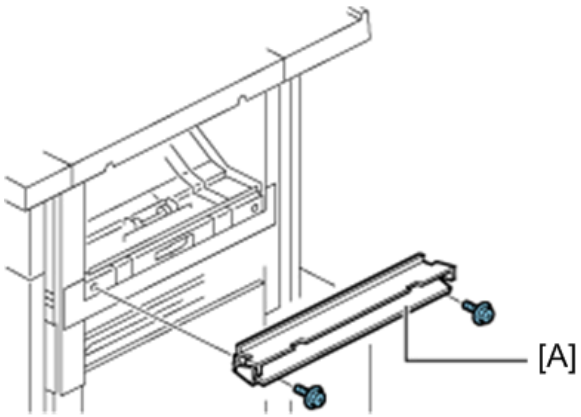
Important

- The sponge strip closes the gap between the High Capacity Stacker and the upstream unit to prevent paper or other objects from falling between the units.



d194z0171

2. Attach the entrance guide plate [A] to the right side of the unit (x2: M3x6).

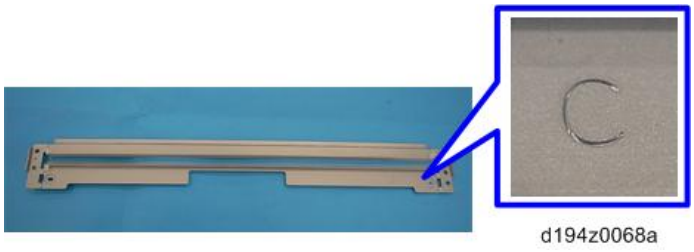


d776e0136

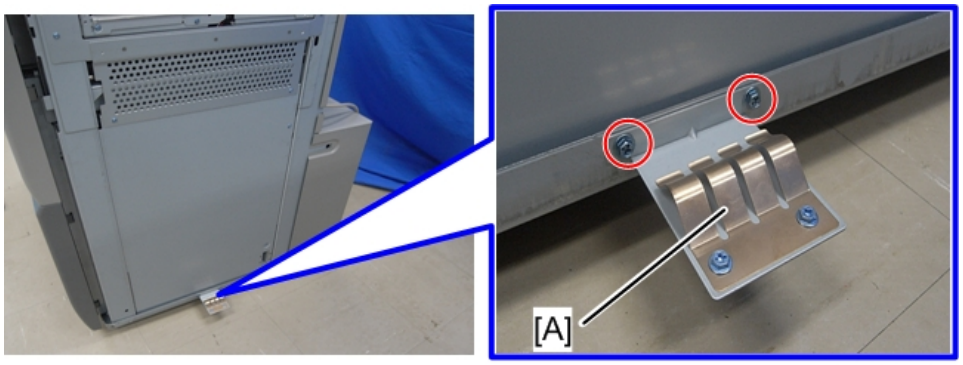
Note

When docking the high capacity stacker to the main machine directly:

- If the decurl unit is not installed in the main machine, attach the entrance guide plate provided with the high capacity stacker.
- If the decurl unit is installed in the main machine, attach the guide plate marked “C” that is provided with the decurl unit (shown below). Do not attach the entrance guide plate provided with the high capacity stacker.


d194z0068a

3. Attach the ground plate [A] to the bottom right edge of the unit (x2: M4x6).



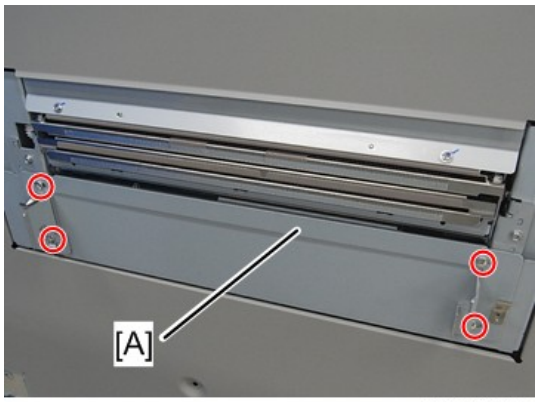
d776z0003

Docking: Upstream

1. Fasten the joint bracket [A] to the upstream unit (x4: M4x14).

Important

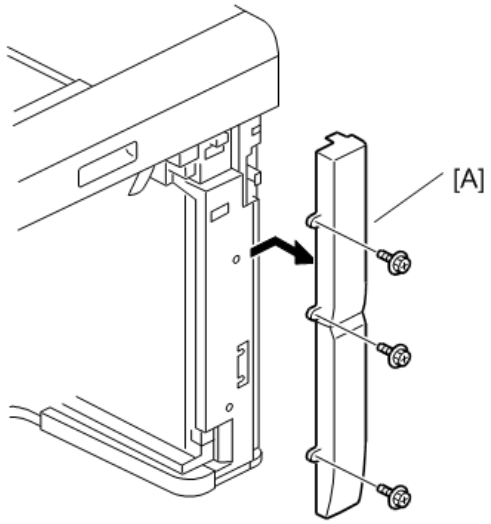
- When you dock the high capacity stacker to the main machine, to prevent interference with the Decurl Unit (if it is installed), remove the Decurl unit screws and then use these screws to attach the upper left and right corners of the bracket (x2).



d776z0002a

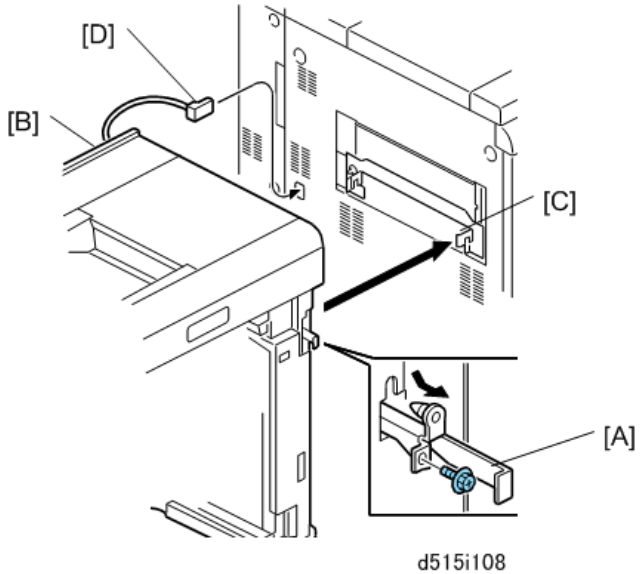
2. Open the front door.

3. Front right cover [A] (x3).



d515i107

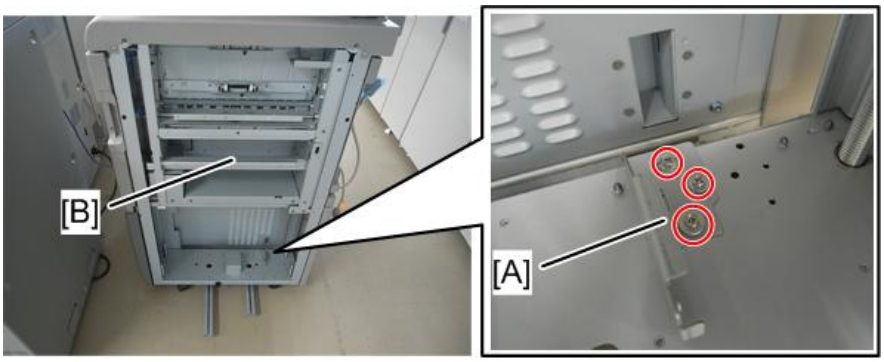
4. At the front right corner, remove the screw of the lock bar [A] (x1). **Keep this screw.**
5. Pull the lock bar toward you until it stops.
6. Slowly push the unit [B] against the left side of the upstream unit (or main machine) so that the lock bar is directly and squarely under the arms of the joint bracket [C].
7. Push the lock bar in completely so that it slides up into the notches in the arms on both ends of the joint bracket.
8. Fasten the lock bar by re-attaching the screw removed in **Step 4**. (x1).
9. Attach the I/F cable [D] to the upstream unit (or main machine).



d515i108

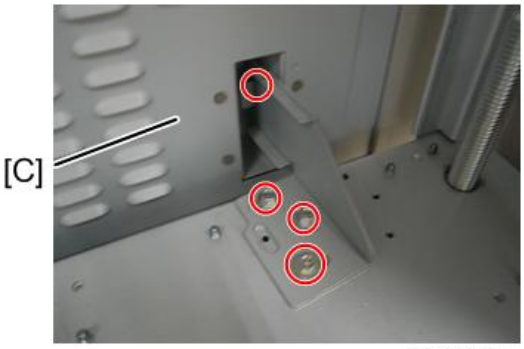
10. Re-attach the front right cover.
11. When docking the high capacity stacker to the cover interposer tray CI5030:

- Re-attach the base bracket [A] of the cover interposer tray [B] in the opposite direction.



d194z0073

- Then connect it to the high capacity stacker [C].

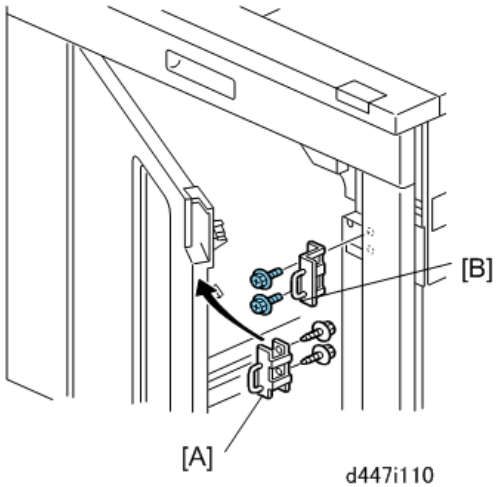


d194z0074

- Remove the rear lower cover of the high capacity stacker to tighten the base bracket screw.

Lock Hasps

1. Fasten the left lock hasp [A] (x2: M4x8) to the door.
2. Fasten the right lock hasp [B] to the door frame (x2: M3x6).

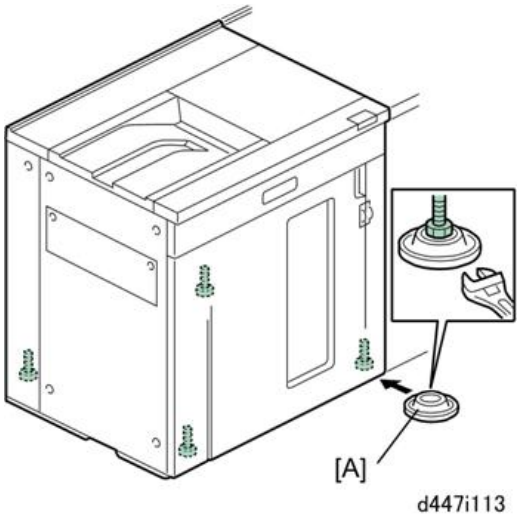


d447i110

Height Adjustment

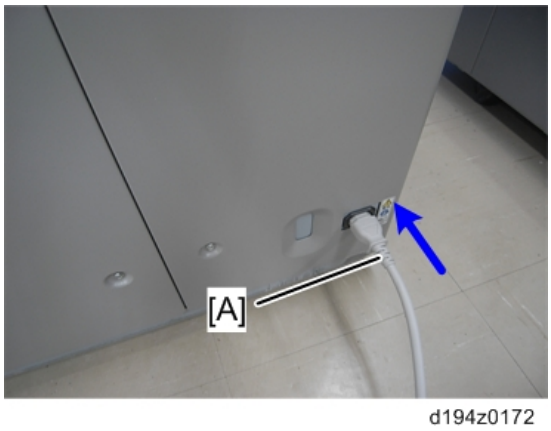
1. Set the four leveling shoes [A].
2. Place a level on the top of the unit, and then adjust the height with leveling shoes so that the unit is level left-

to-right and front-to-back.



Finishing the Installation

1. Connect the power cord [A] to the right rear lower side of the unit.



Important

- In China, do not use this power cord provided with this option. Contact your supervisor and use the power cord specified for use in China.

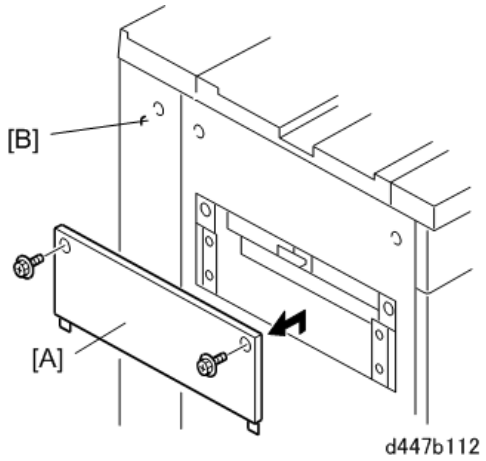
2. Set the leveling shoes and adjust the height of the unit. (Height and Level Adjustment)
3. Load A3/DLT paper in the 2nd tray of the main machine, and make several copies.
4. Check paper skew and side-to-side registration and correct if necessary. (Skew and Side-to-Side Registration)

Docking: Downstream

Important

- Do this procedure only if another peripheral device will be installed downstream.

1. Remove the left exit cover [A] from the left side of the unit (x2).

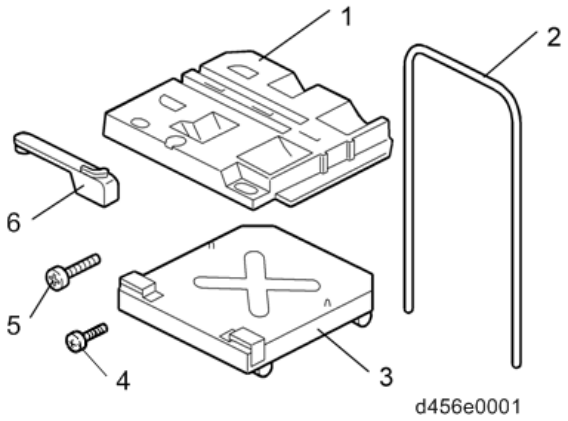


Roll-Away Cart Type 5010

Accessories

Check the quantity and condition of the accessories in the box against the following lists and illustrations.

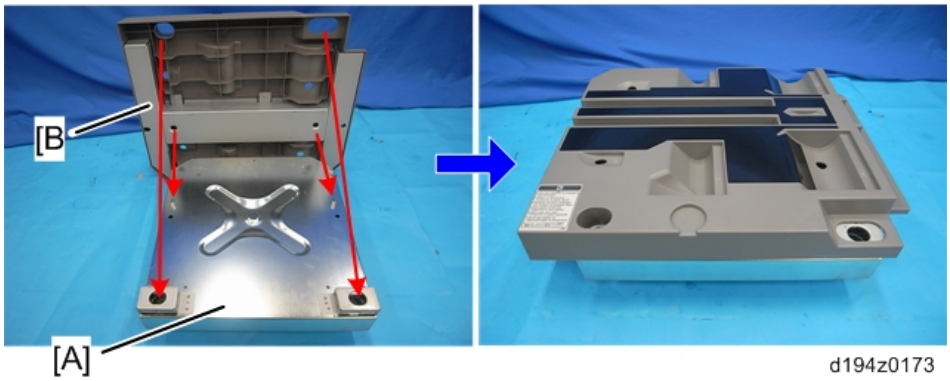
No.	Description	Q'ty
1	Paper Tray	1
2	Tray Cart Handle	1
3	Tray Cart Base	1
4	Screw M4x14	2
5	Screws M10x25	2
6	Paper Press Lever	1



Installation

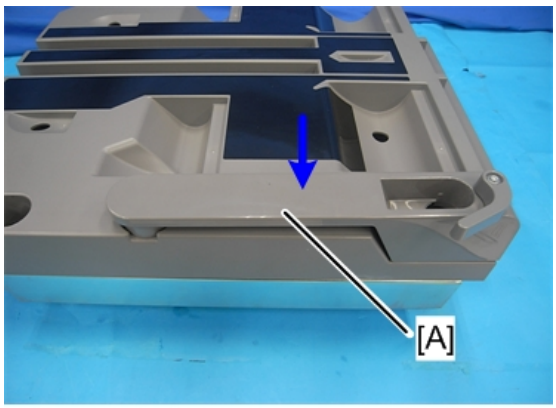
1. Align the studs on the tray cart base [A] with the holes in the brackets of the paper tray [B].

2. Set the holes over the studs.



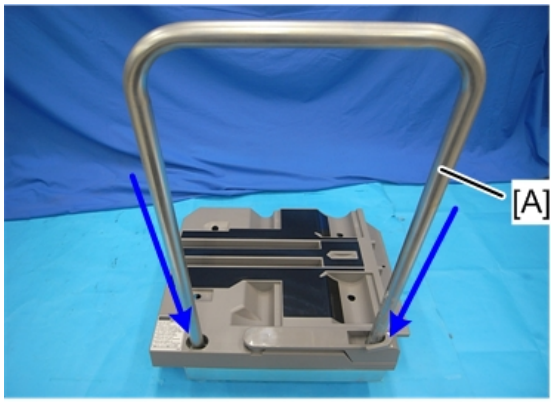
d194z0173

3. Set the paper press lever [A] into the recessed cut-out in the paper tray.



d194z0174

4. Insert the ends of the tray cart handle [A] into the handle holes. One end of the handle passes through the paper press lever on the paper tray.

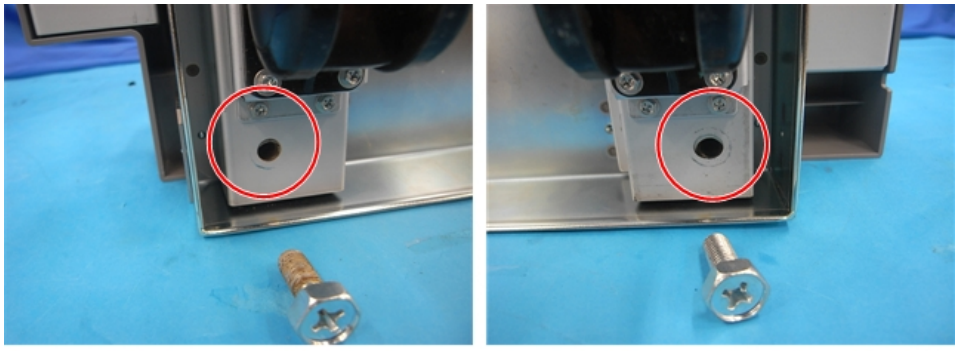


d194z0175

5. Lay the assembly down with the handles on the floor.

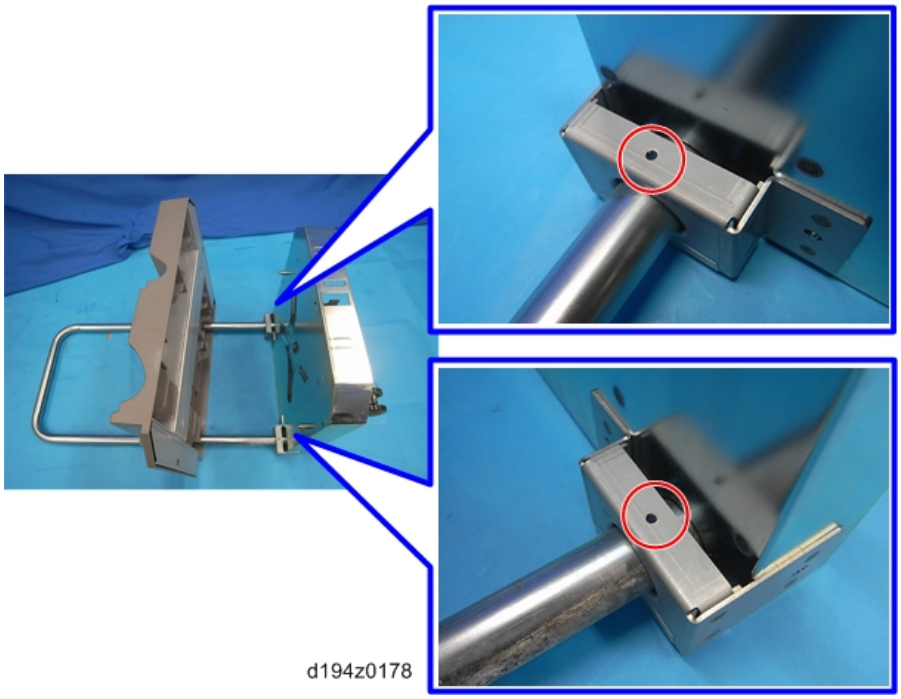
d194z0176

6. Fasten the end of each handle (x 1 each, M10x25).



d194z0177

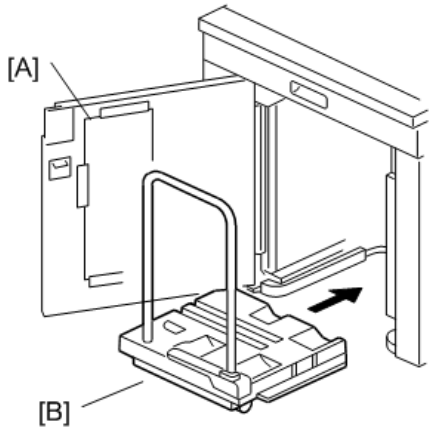
7. Raise the paper tray and then tighten the screws on the handle bases (x 1 each, M4x14).



d194z0178

8. Set the cart upright on its casters.
9. Open the front door [A].

10. Push the tray cart [B] into the unit and close the door.



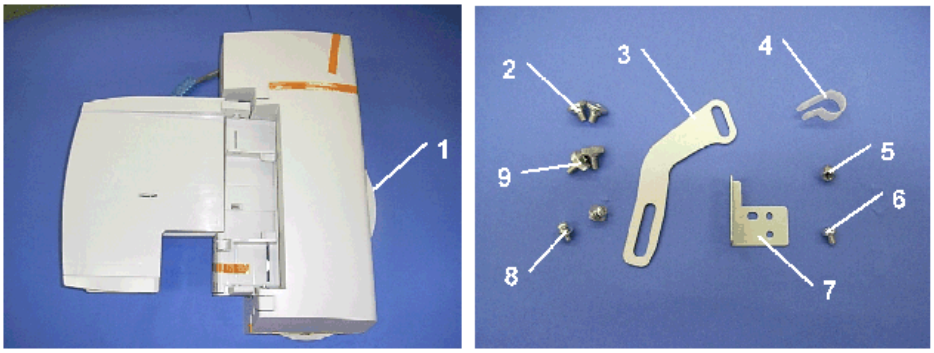
d447b111

Cover Interposer Tray for Perfect Binder Type S1

Inserter Accessories

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1.	Inserter Unit	1
2.	Shoulder Screws (M5)	2
3.	Limiter Brace	1
4.	Clamp	1
5.	Cap Nut	1
6.	Screw (M4x7)	1
7.	Brace	1
8.	Screws (M4x8)	2
9.	Hinge Lock Screws (M4)	2

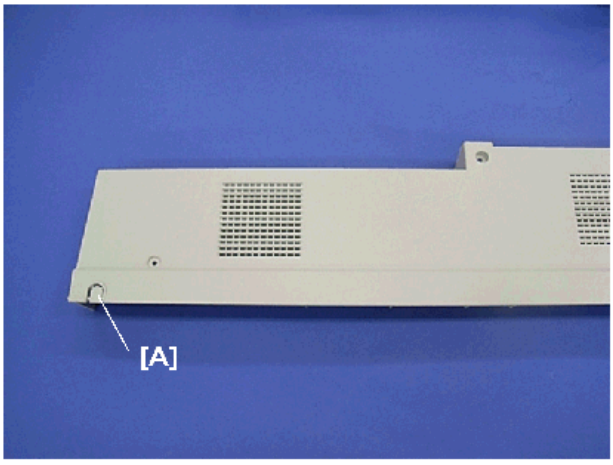


d391i300

Inserter Installation

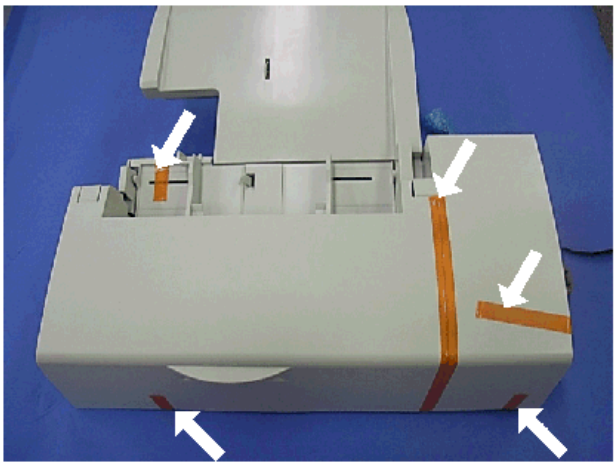
Mounting the Inserter

1. Use a pair of nippers to remove the knockout [A] covering the interface cable hole.



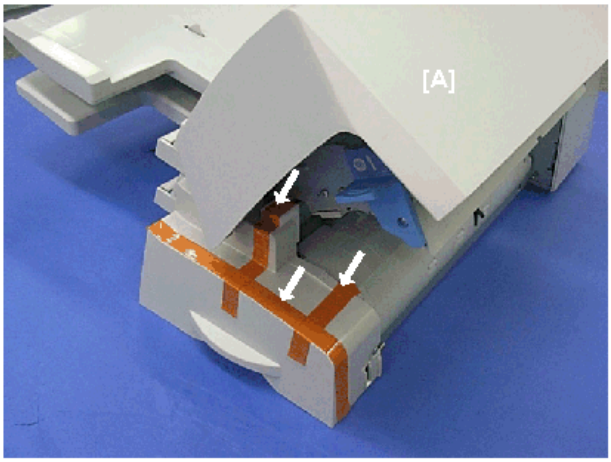
d391i347

2. Smooth the edges of the hole with a knife or file to prevent damage to the interface cable.
3. Remove all visible strips of tape and cushions from the top and sides.



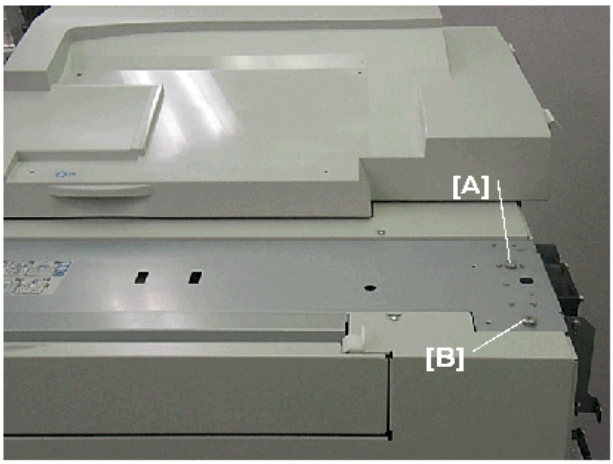
d391i348

4. Open the top cover [A], as well as strips of tape and cushion.



d391i349

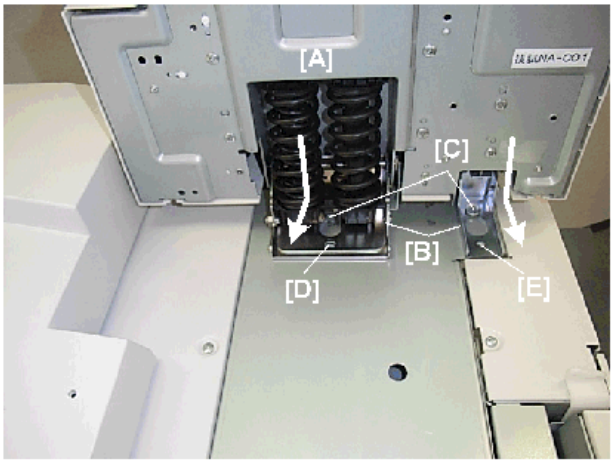
5. Attach the shoulder screws [A] and [B] (x2: M4).



d391i350

6. Hold the inserter [A] at the back of the bookbinder.
7. Set the keyholes of the hinge plates [B] over the heads of the shoulder screws [C].

8. Slide the inserter forward so that the hinge plates slide under the heads of the shoulder screws.
9. Secure the hinges with the hinge screws [D] and [E] (x2: M4).



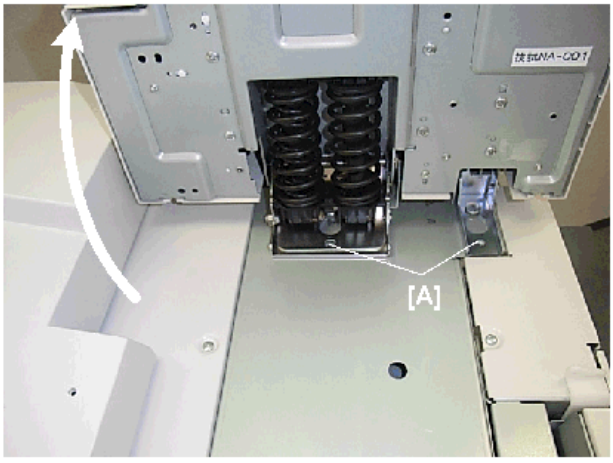
d391i351

10. Slowly lower the inserter onto the top of the bookbinder.
11. Confirm that the positioning pins insert smoothly and completely into their holes.
    If the positioning pin fits snugly in the hole, no adjustment is necessary.
    -or-
    If the pin does not insert completely into the hole, do the adjustment procedure in the next section.

Adjusting the Position of the Hinge Plate

This procedure is not required if the positioning pin slides freely in and out of the hole when the inserter top cover is lowered and raised.

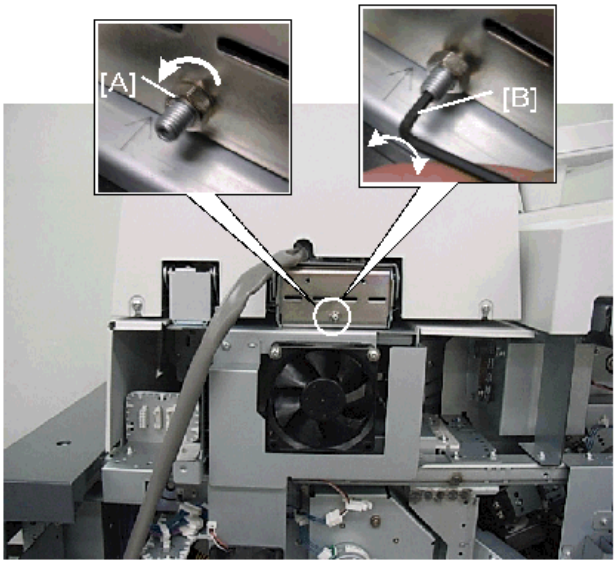
1. Raise the inserter.
2. Loosen (do not remove) the hinge screws [A] (x2: M4).



d391i353

3. Use a small wrench to loosen the adjustment screw [A] (Do not remove!).
4. Insert a hex wrench (Allen key) [B] into the tip of the adjustment screw.
   - Rotating the screw clockwise moves the inserter to the right.

- Rotating the screw counter-clockwise moves the inserter to the left.

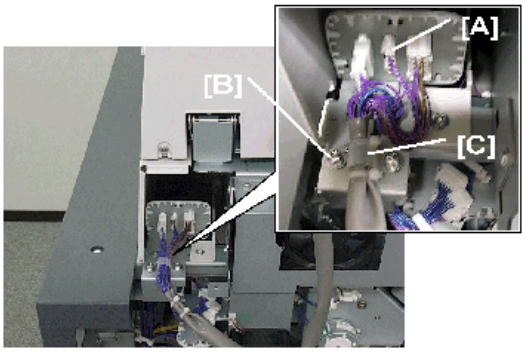


d391i354

5. Tighten the hinge screws (x2: M4).
6. Lower the inserter again to see if the positioning pin and hole fit snugly.
7. Repeat this procedure until the pin and hole engage and disengage completely and smoothly.

Connecting the Inserter

1. Connect the inserter to the relay panel [A] (x3).
2. Fasten the ground wire [B] (x1: M4 x8).
3. Wrap the clamp [C] around the harnesses and the ground wire.

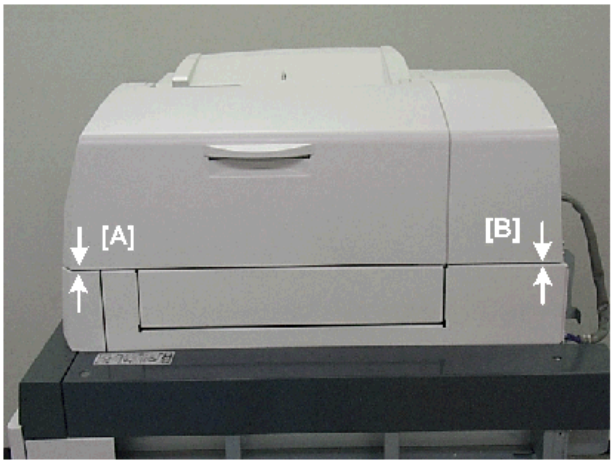


d391i355

4. Fasten the clamp (x1: M4 x8).

Inserter Gap Measurement

1. Measure the gap between the inserter and the bookbinder at [A] and [B].



2. Calculate the difference between the two measurements.

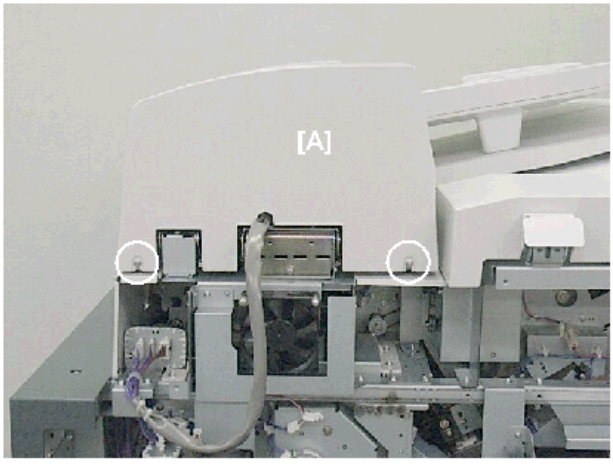
   If the difference between the gaps is less than 1 mm, no adjustment is necessary. Skip the next section.

   -or-

   If the difference is more than 1 mm, you must go to the next section and adjust the height.

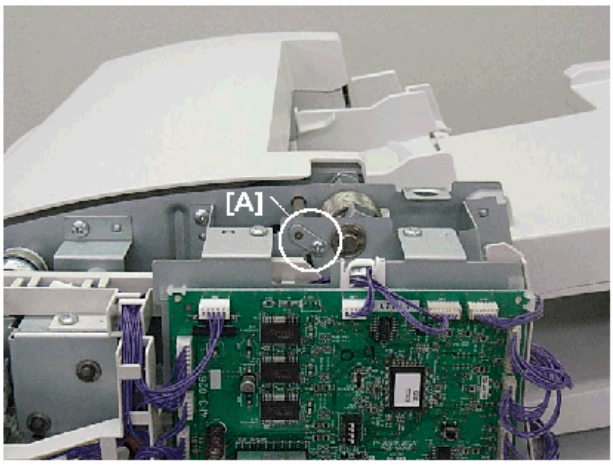
Inserter Gap Adjustment

1. Remove the inserter rear cover [A] (x2).



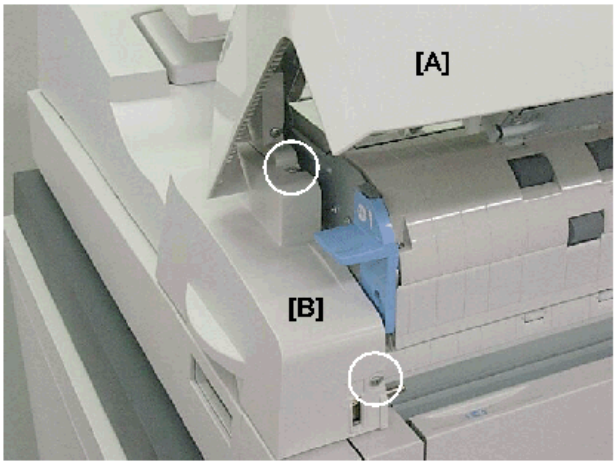
d391i357

2. Remove the top cover angle adjustment shaft [A] (x1).



d391i358

3. Open the top cover [A].
4. Remove the front cover [B] (x2).



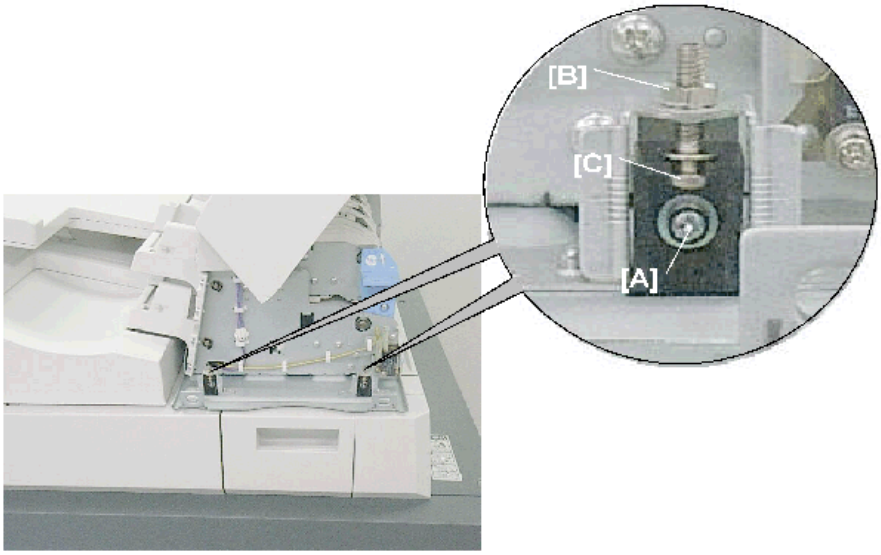
d391i359

5. On the right side of the adjustment mechanism, loosen:

   [A] Screw

   [B] Hex nut

   - With a hex wrench, turn the adjustment screw [C] to adjust the gap by raising or lower the inserter.
   - Turning clockwise raises the inserter.
   - Turning counter-clockwise lowers the inserter



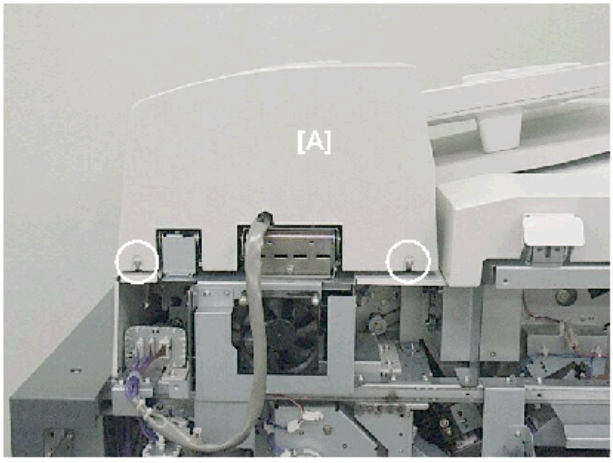
d391i360

6. On the left side of the adjustment mechanism, adjust the height of the inserter on the left. (The procedure is the same as Step 5.)
7. Reattach:
   - Inserter front cover (x2)
   - Top cover angle adjustment shaft (x1)

Inserter Limiter Brace

The limiter brace limits the movement of the inserter unit when it is opened.

1. If the rear cover [A] is attached, remove it (x2)

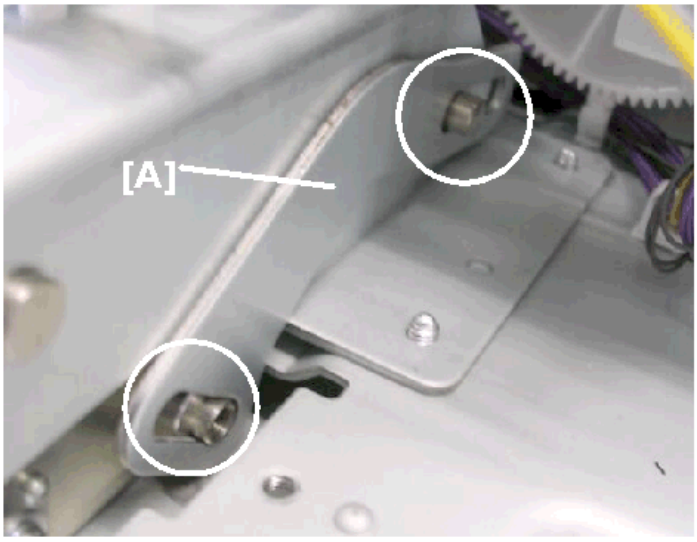


d391i357

2. From the inserter accessories, retrieve the items shown below.

d391i524

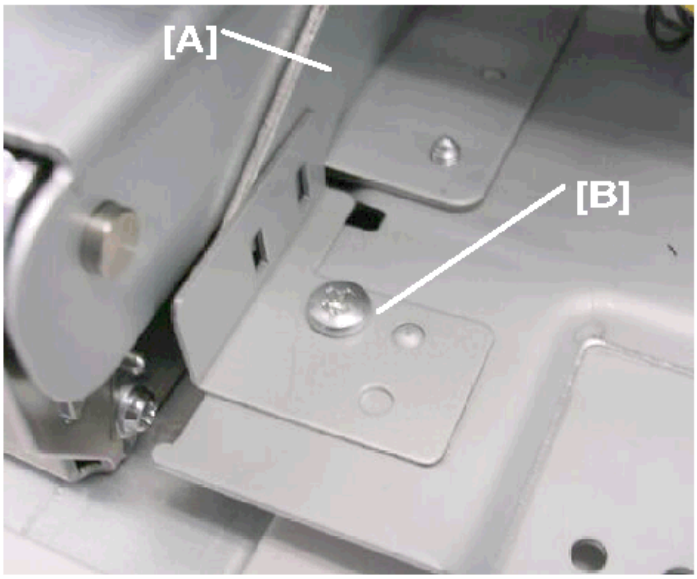
3. Set the limiter brace [A] on the two posts (front and back).



d391i525

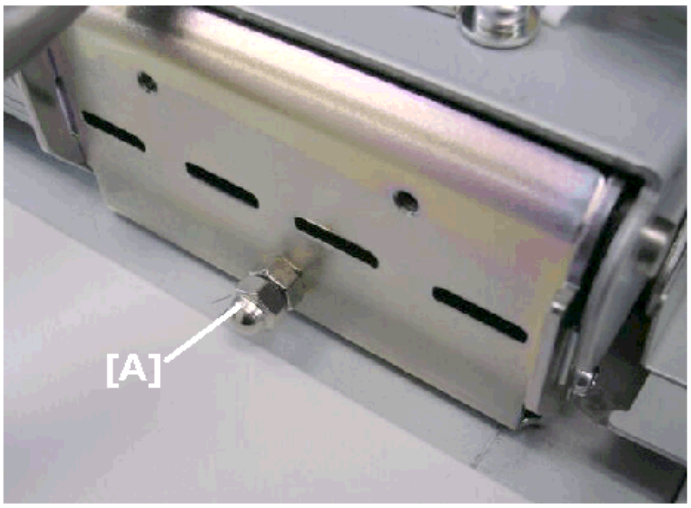
4. While holding the limiter brace [A] upright so that it does not slip off its posts, attach the brace [B] (x1).

(Make sure that this screw is tight.)



d391i526

5. Attach the cap nut [A] to the exposed threads of the screw.



d391i527

6. Reattach the rear cover of the inserter (x2)

Perfect Binder GB5010

Bookbinder Accessories

There are no accessories provided in the bookbinder box. The required accessories are provided with the relay unit and inserter unit.

Bookbinder Installation

Before You Begin

The bookbinder contains many large moving parts. Braces, cushions, and orange tape are attached inside and outside the bookbinder to immobilize and protect the working parts during handling and shipping.
Large red warning tags are attached with ribbons to braces, cushions, and screws that must be removed at installation. However, these items must not be discarded. Some braces must be reinstalled if the machine needs to be moved to a new location. Due to the large number of braces that must be retained (there are over 20), they should be marked for future reference as they are removed.
Here are some simple rules to follow during removal of the braces, cushions, and screws:

- Use a marker with indelible ink to mark each item or its tag as instructed when it is removed from the bookbinder. This will make it easier for the service technician to identify the brace for reinstallation. This will also help you to confirm that everything has been removed from inside the machine.
- After removing a brace, set the screws in the correct holes and tape them in place. This will make it easier to find the correct screws for reinstallation.
- The red warning tags must remain attached by the ribbons to the braces, cushions, and screws. If they are reattached before moving the machine, they will serve as reminders of the items that must be removed after the machine has been moved to the new location.
- Remove the orange tape carefully and save as much of it as possible.

Note

- The actual color of the new Perfect Binder is much darker that the older Perfect Binder that appears in the photographs of this section. The installation instructions are the same.

Unloading the Bookbinder

⚠CAUTION

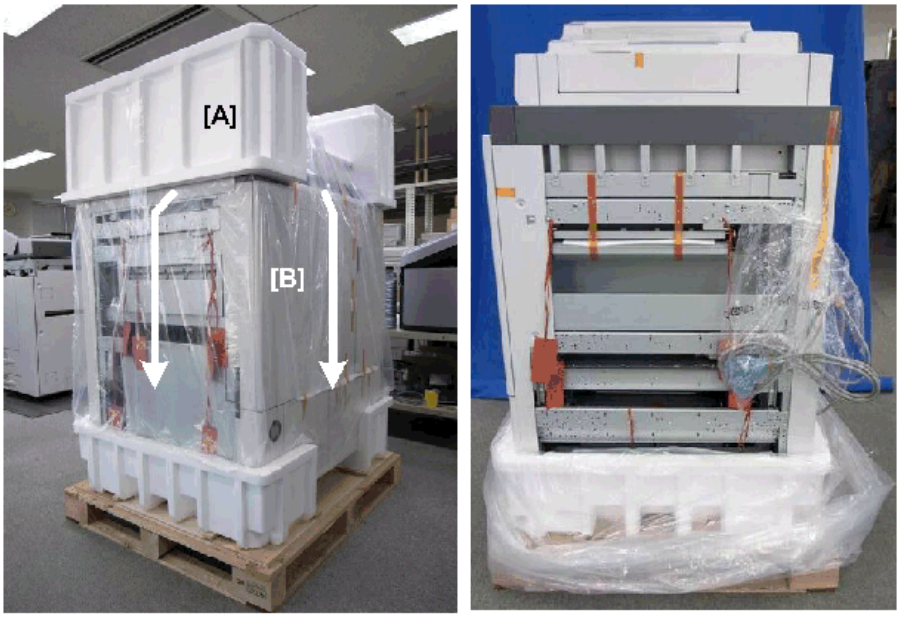
- The bookbinder weighs 316 kg (695 lb.). At least four service technicians are required to unload the bookbinder from its pallet.
- You will need a manual forklift to position the pallet for unloading.

1. Remove the packing straps and cardboard cover.
2. Use a manual forklift [A] to position the pallet so there is at least 2 meters (6.5 ft.) of free space to the right

side of the bookbinder [B].

d391i403

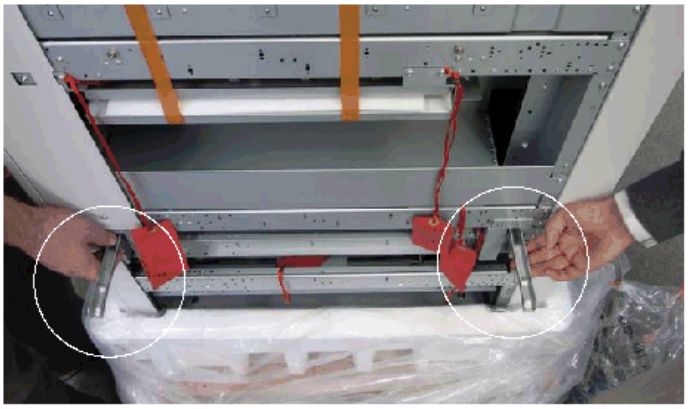
3. Remove the packing from the top of the machine [A].
4. Pull down the protective plastic cover [B] on all four sides.



d391i404

Important

- Collapsible metal handles are provided on the right and left side of the bookbinder.
- To avoid physical injury, always use these handles to lift either the right or the left side of the bookbinder.
- Never attempt to raise the left or right side of the bookbinder alone. Two people, one on each handle, should lift one side together.



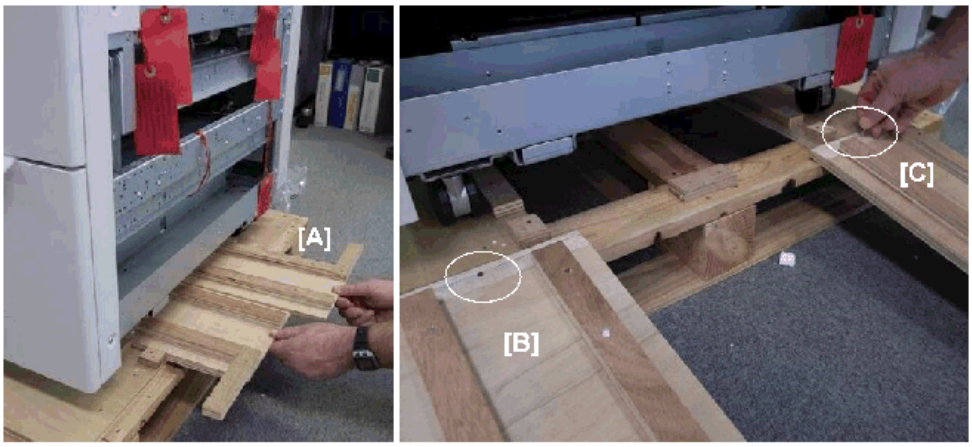
d391i409

5. Position one person at the left to prevent the bookbinder from tipping over.
6. On the right [A], have two people use the handles to lift the machine, while another person removes the Styrofoam block and then pulls the plastic cover under the machine to the left as far as possible.
7. Position one person at the right to prevent the bookbinder from tipping over.
8. On the left [B], have two people use the handles to lift while another removes the Styrofoam block and the plastic cover together.

d391i405

9. Pull out the two ramps [A].
10. Two nails are taped to one of the ramps. Align the holes in the top of each ramp with the holes in the pallet,

then insert the nails into the holes to fasten the left ramp [B] and right ramp [C] to the edge of the pallet.



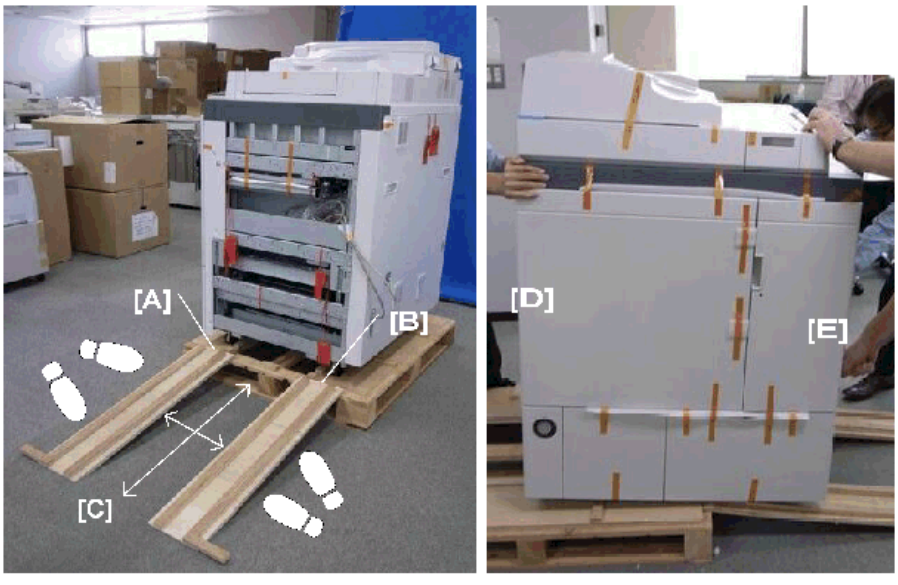
d391i406

11. Confirm that:
    - Both ramps are firmly attached to the edge of the pallet with nails [A] and [B].
    - Both ramps extend straight out from the side of the pallet.
    - Area [C] between the ramps is free of obstacles.

⚠WARNING

- As the bookbinder is being pulled off the pallet, never step across either of the ramps and place your foot in the area between the ramps [C].

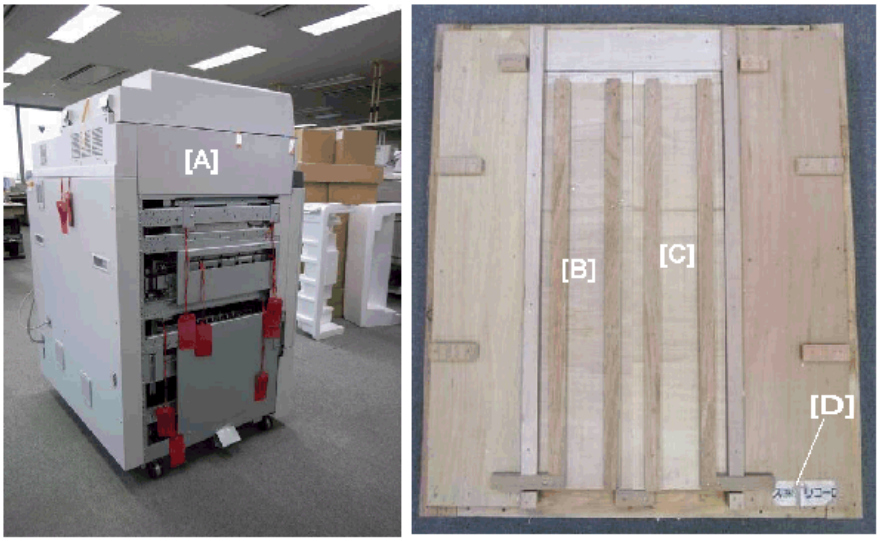
12. With one person [D] behind the bookbinder gently pushing, and two people in front pulling the bookbinder by the handles [E], slowly move the bookbinder down the ramps.



d391i407

13. Once the bookbinder [A] is off the pallet, it can be pushed or rotated on its casters.
14. Remove the nail from each ramp and reattach the ramps [B] and [C] to the pallet.

15. Tape the nails [D] to the pallet.



d391i408

Bookbinder Exterior Tape, Braces

Important

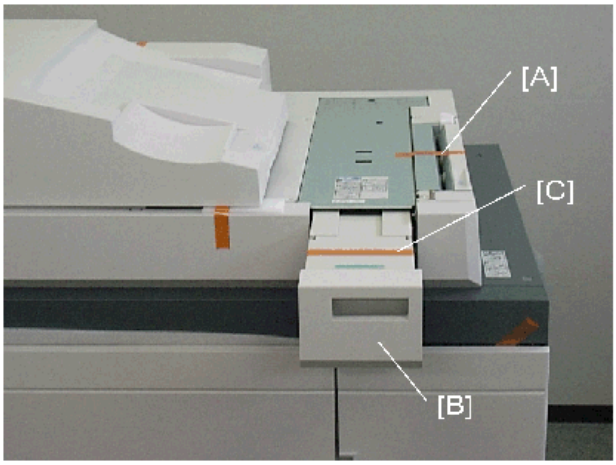
- Braces, cushions, and screws removed from the machine for installation should be retained for reinstallation in the event that the bookbinder must be shipped to a new location.

1. Remove all strips of tape and packing from the front and top.

d391i301

2. Remove the tape [A].

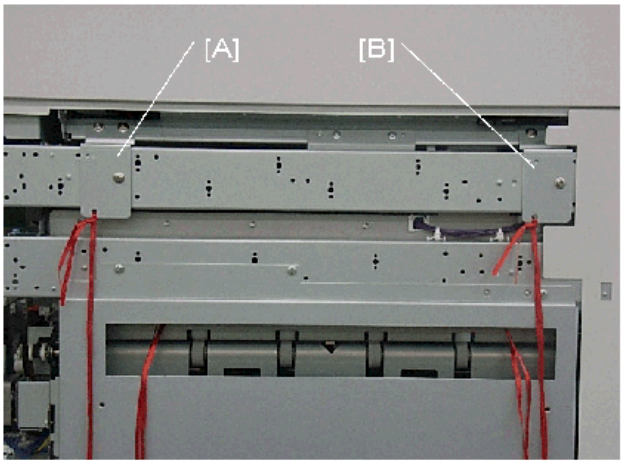
3. Pull out the glue supply drawer [B] and remove the long tape [C].



d391i302

Left Side

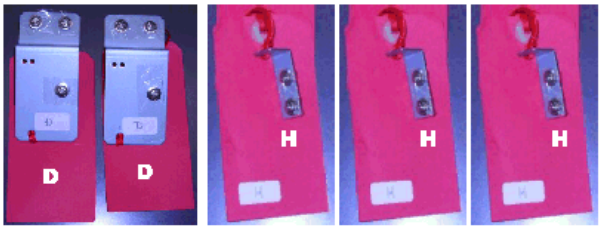
1. Remove the upper braces [A] and [B] (x3 each)



d391i303

Left Side

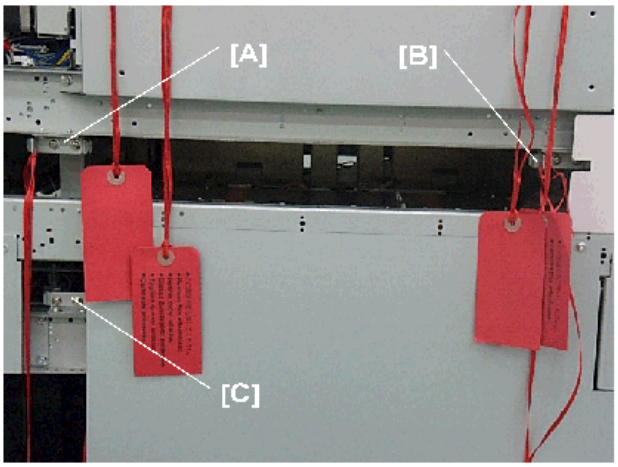
1. Remove the lower braces [A], [B], [C] (x2 each)



d391i006d

2. Mark the two (large) upper braces "**D**".

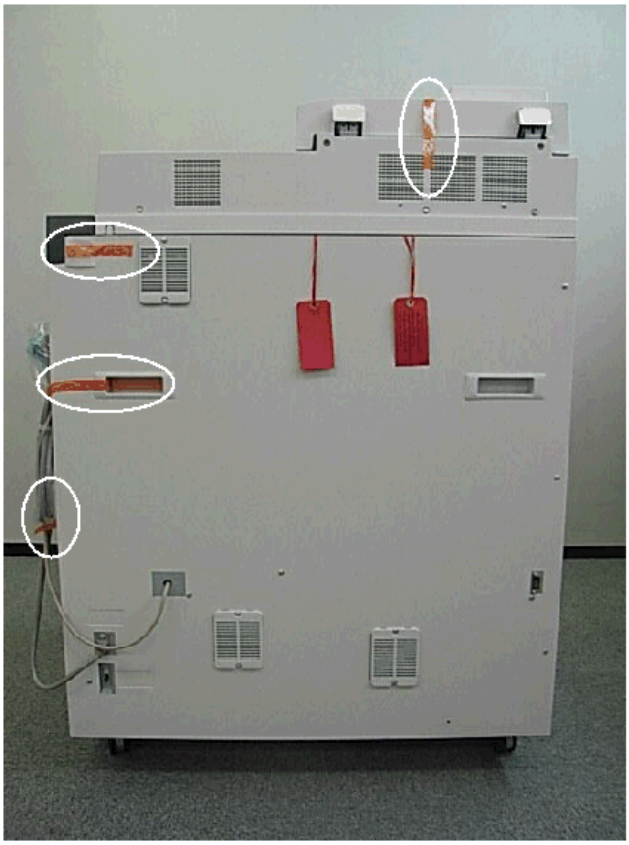
3. Mark the three (small) lower braces "**H**".



d391i304

Rear

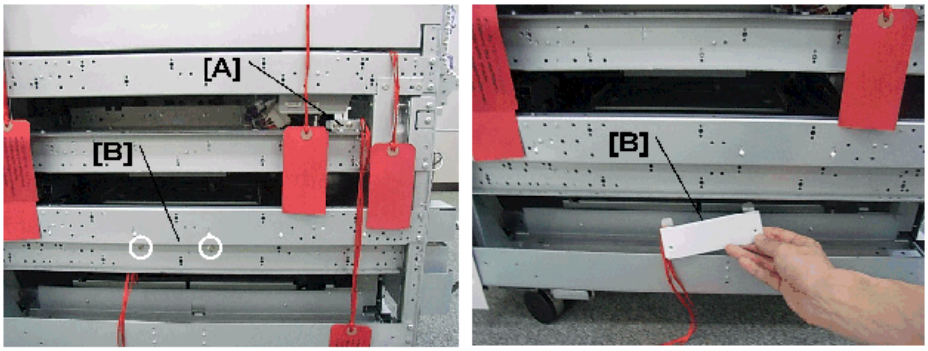
1. At the rear, remove all tape (as shown) from the back, top, power cord and interface cable.



d391i305

Right Side: Near Bottom

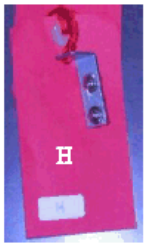
1. Remove brace x1 [A], brace [B] x1 and tags (x2 each)



d391i306

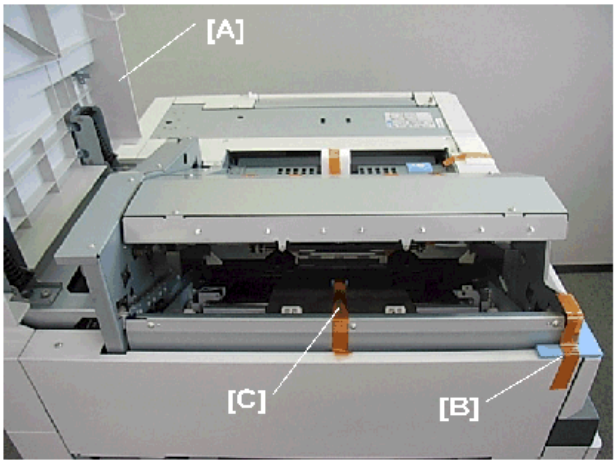
2. Mark the removed large brace "**I**" and mark the removed small brace "**H**".

d391i007d



Left Side

1. Open the top cover [A].
2. Remove the tape and cushions [B] and [C]. Slide the cushion at [C] down to remove it.



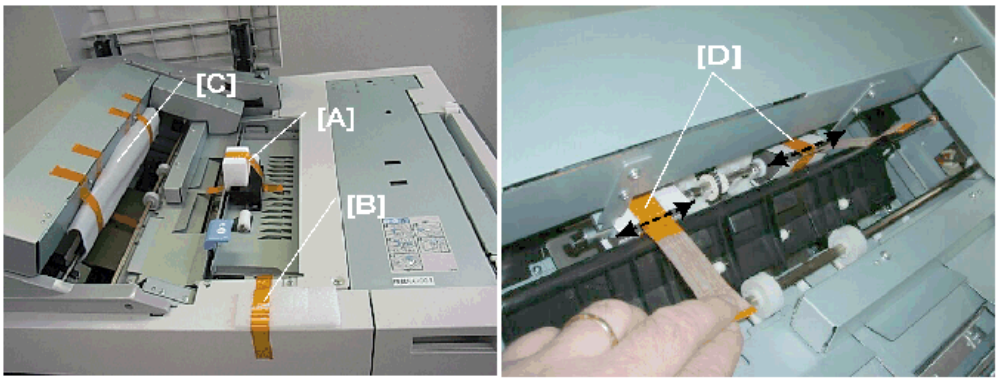
d391i307

Front: Top

1. Remove the tape and cushions [A], [B].
2. Disconnect the tape at [C] then lower lever **Mk4**.
3. Carefully cut the strips of tape at [D] then remove the strips of tape and the cushions.

Important

- Pulling on the strips of tape without cutting them could damage the roller shaft.



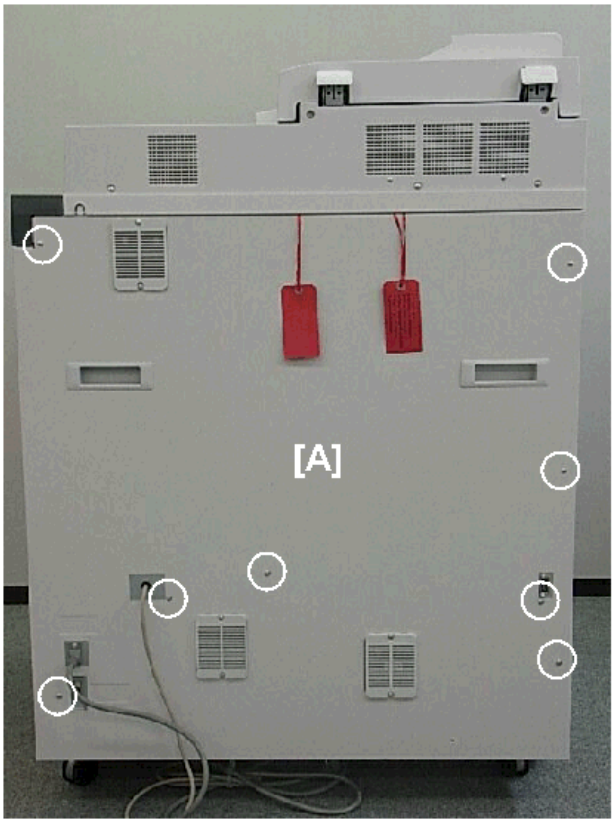
d391i308

4. Lower the top cover.

Bookbinder Interior Tape, Braces

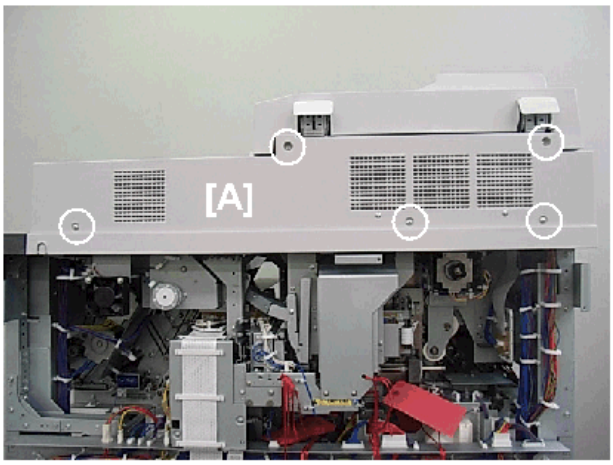
Rear

1. Remove the rear cover [A] (x8)



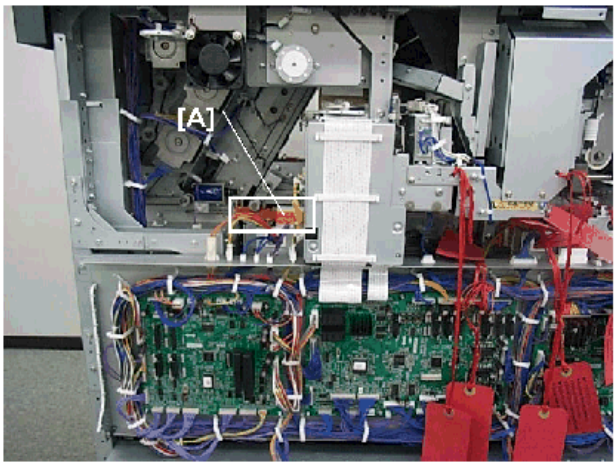
d391i309

2. Remove the rear upper cover [A] (x5).



d391i310

3. Remove the tape and cushion [A].



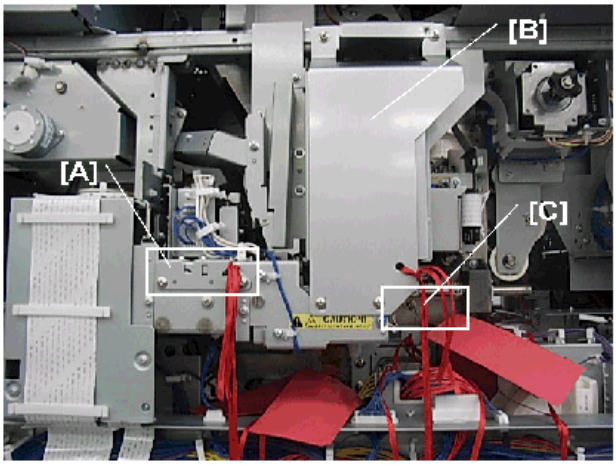
d391i311

4. Remove:

[A] Brace, tag (x2)

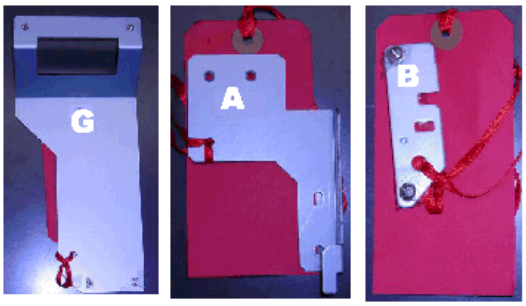
[B] Brace, tag (x4)

[C] Brace, tag (x4). (These four screws are tagged with wire.)



d391i312

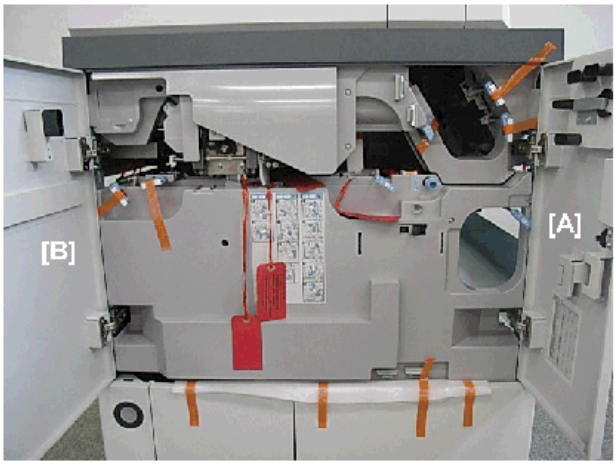
5. Mark the removed braces "**G**", "**A**", "**B**" as shown.



d391i008d

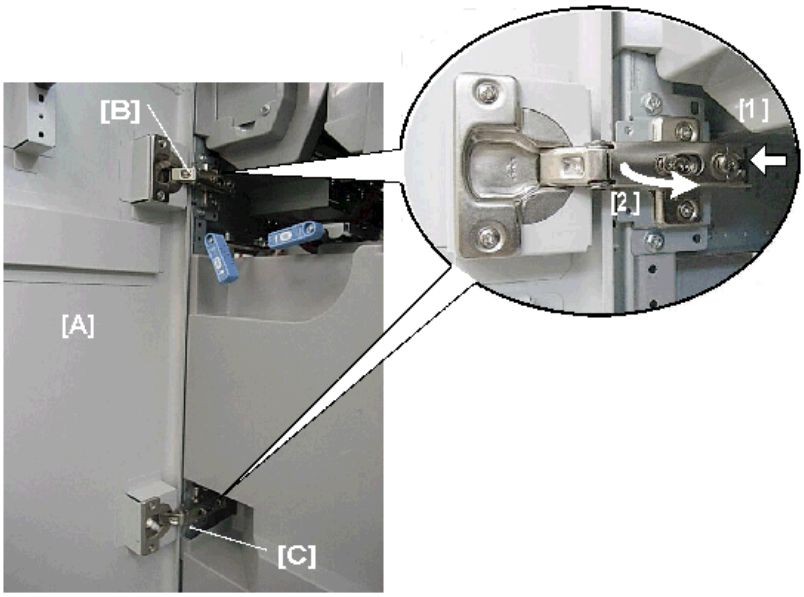
Front

1. Open the right front door [A] then the left front door [B].



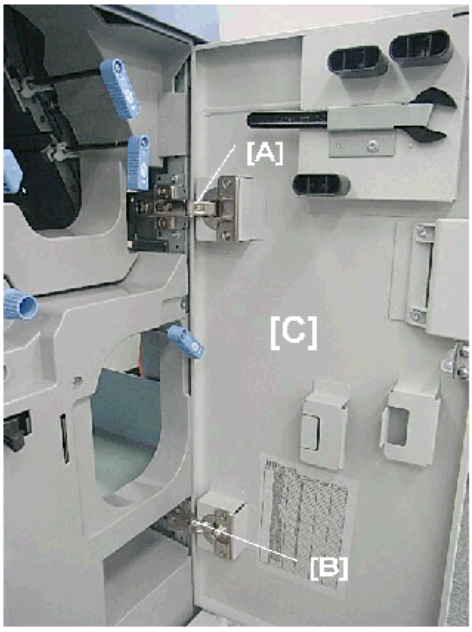
d391i313

1. On the left door [A], remove the top hinge [B] and the bottom hinge [C].
   - While holding the left front door with one hand, behind the top hinge [B], push the black lever [1] in the direction of the arrow to release the top hinge.
   - Swing the top hinge [2] out slightly.
   - While still supporting the left door with one hand, repeat the procedure to remove the bottom hinge [C].
   - Remove the left door [A].



d391i314

2. Repeat Step 2 to remove the top hinge [A] and the bottom hinge [B], then remove the right front door [C]. (You may have to lower lever **Mk11** so that you can remove the right door.)



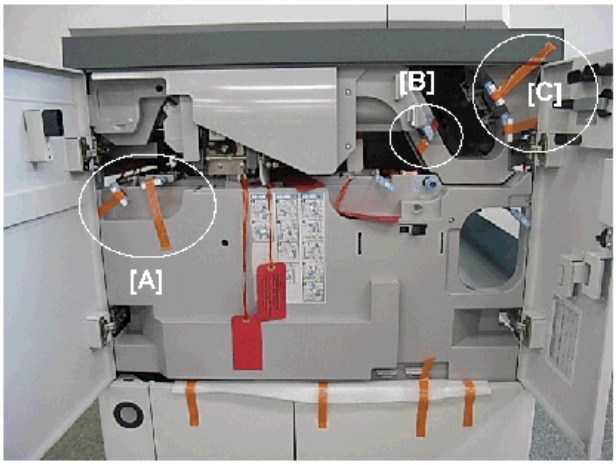
d391i315

3. Remove the strips of tape and cushions from the jam release levers (x5):

   [A] **Mk7**, **Mk8**

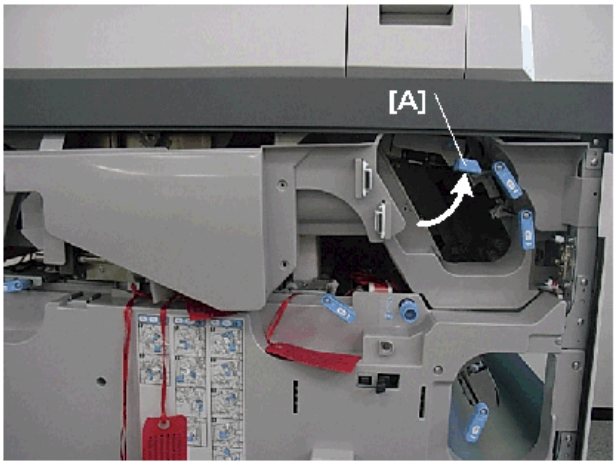
   [B] **Mk12**

   [C] **Mk13**, **Mk14**



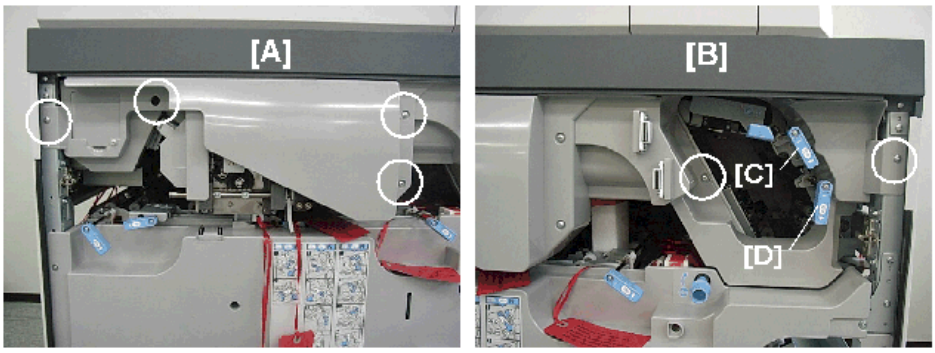
d391i316

4. Raise lever **Mk12** [A].



d391i317

5. Remove the screws of the upper inner cover on the left side [A] and the right side [B] (x6).
6. Release the jam release levers [C] and [D], then hold them in the released position as you remove the upper inner cover.

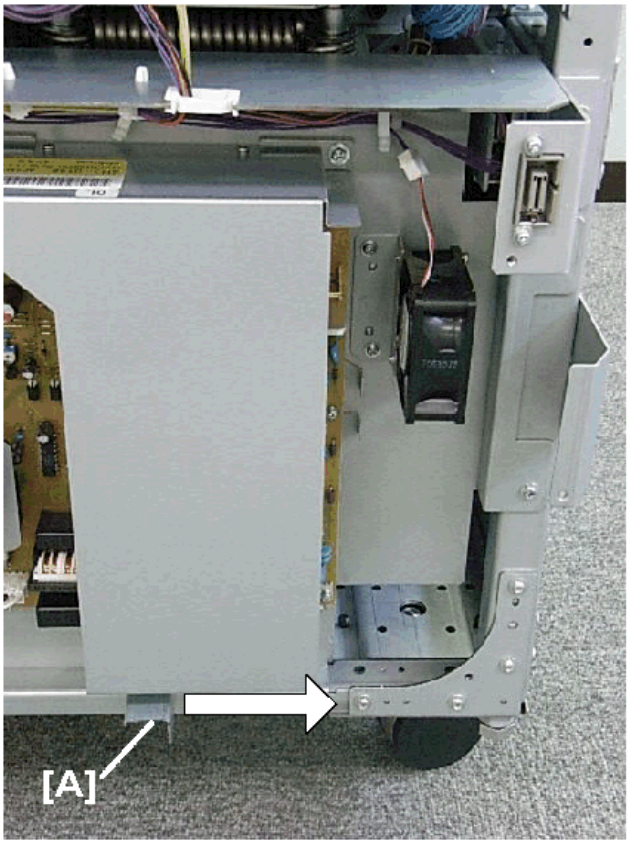


d391i318

Rear

1. At the left rear corner, push the book stack release lever [A] completely to the right to release the book

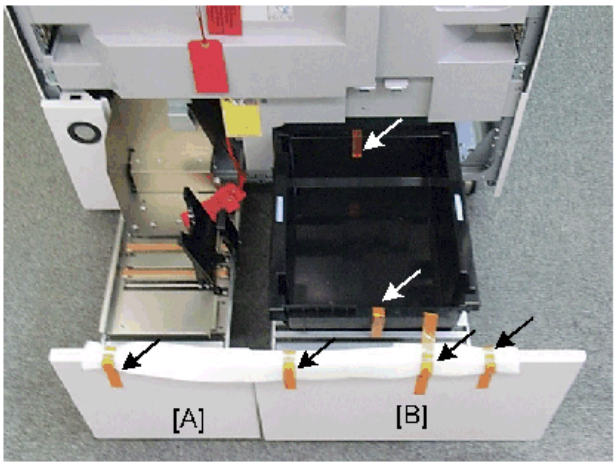
stacking tray.



d391i319

Front

1. Pull out the book stacking tray [A] and trimmings box [B] together.
1. Remove the strips of tape and the cushions.



d391i320

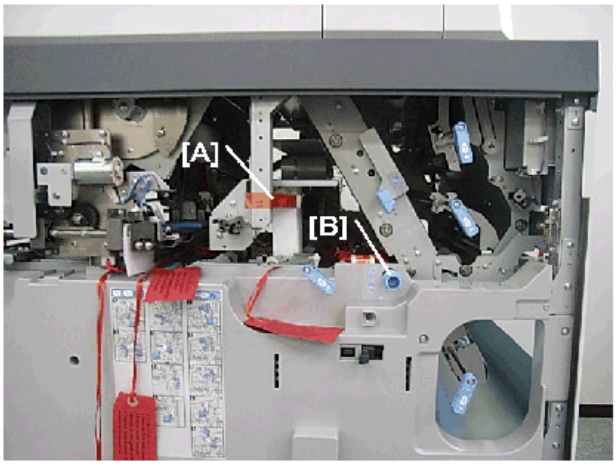
2. Remove:

   [A] Tape, cushion

   [B] Jam clear knob **Mk10**.

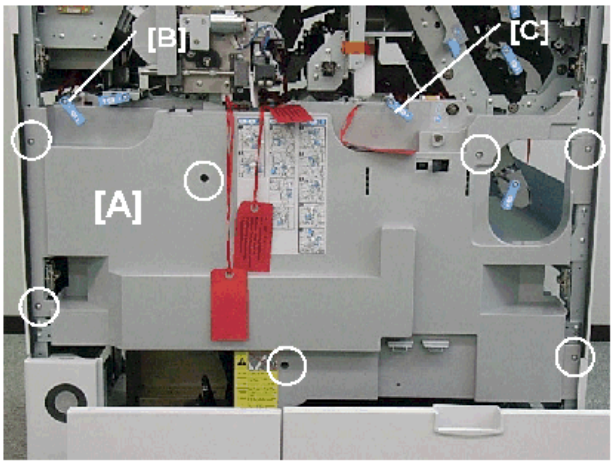
Important

- Mk10 must be reattached at the end of installation.



d391i321

3. Remove the screws of the lower inner cover [A] (x7).
4. Raise the jam clear levers [B] and [C] as you remove the cover [A].
5. Return the jam clear levers [B] and [C] to their original positions.



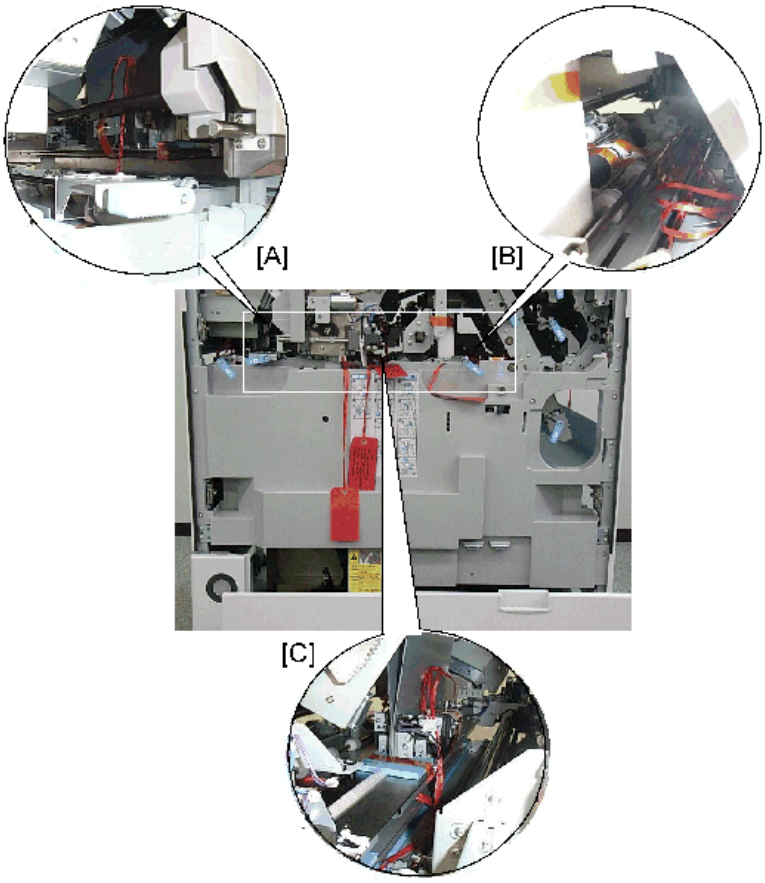
d391i322

Main Grip, Cover Transport Tape, Braces, etc.

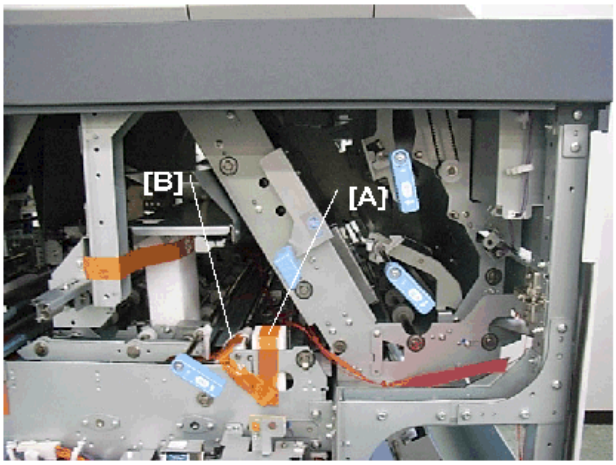
Front

1. Remove the strips of tape and cushions from the horizontal transport unit at the left [A], right [B], and center

[C].

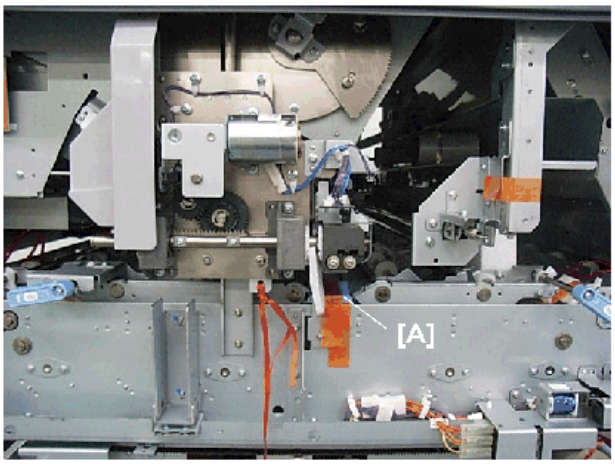


2. Remove the tape [A] with tag.
3. Slide the registration unit to the rear, then remove the tape and cushion [B].



d391i324

4. Remove the cushion [A].



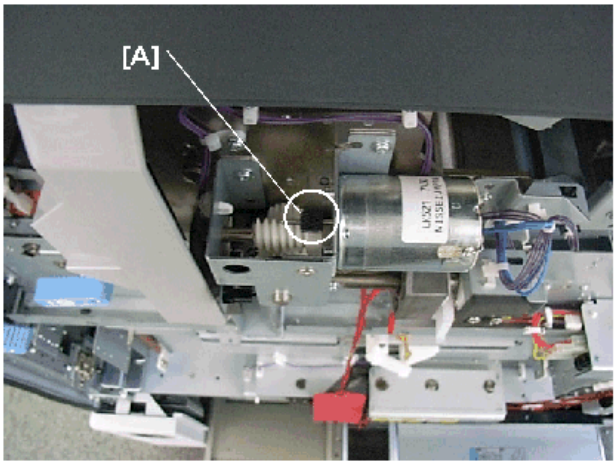
d391i325

Front

1. First, at the front, rotate the grip motor pulley [A] counter-clockwise about 3 mm to release the pressure on the cushion.

Important

- Rotate the pulley only enough to release the cushion.



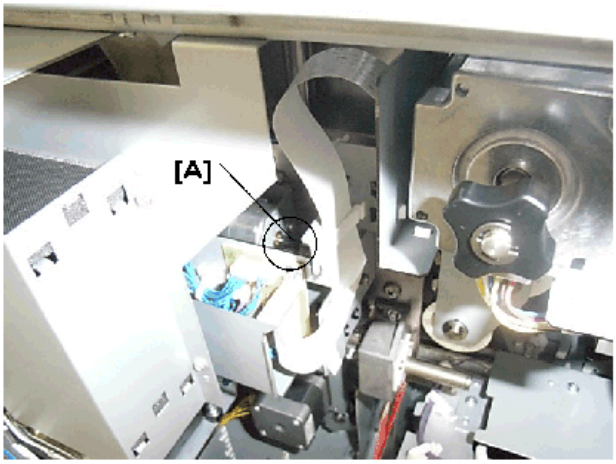
d391i326

Rear

1. Second, at the rear, manually rotate the grip motor pulley [A] counter-clockwise about 3 mm to release the pressure on the cushion.

Important

- Rotate the pulley until the gap is about 18 mm (no wider).
- To prevent changing the correct value (15 mm), do not make this gap wider than 18 mm.



d391i327

2. Remove the cushion at the front.

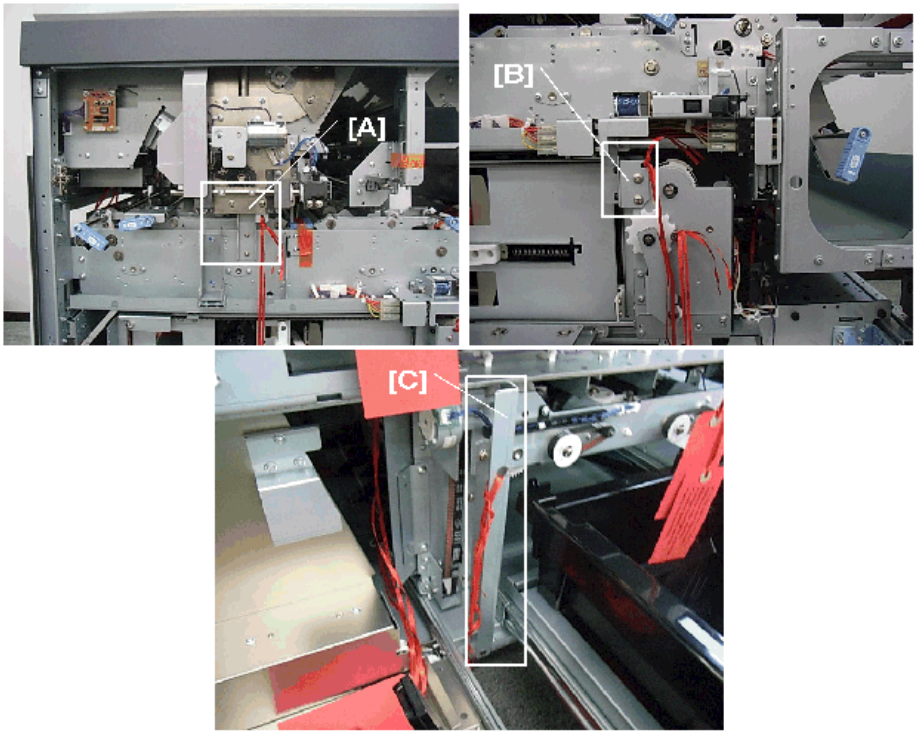
Front

1. Remove:

[A] Brace, tag (x4)

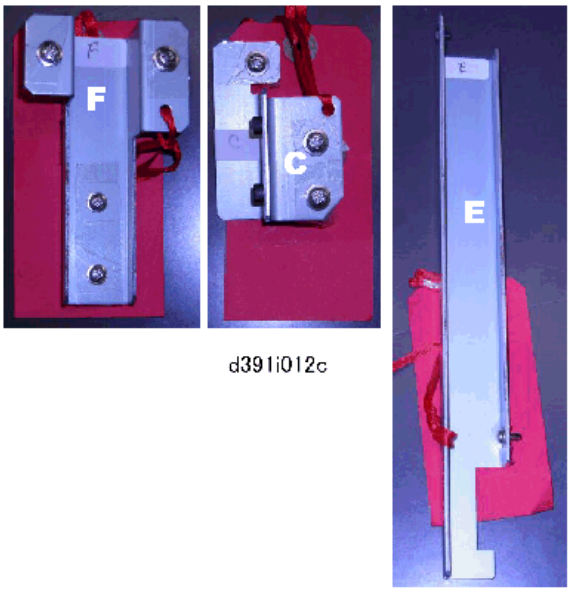
[B] Brace, tag (x3)

[C] Brace, tag (x2)



d391i328

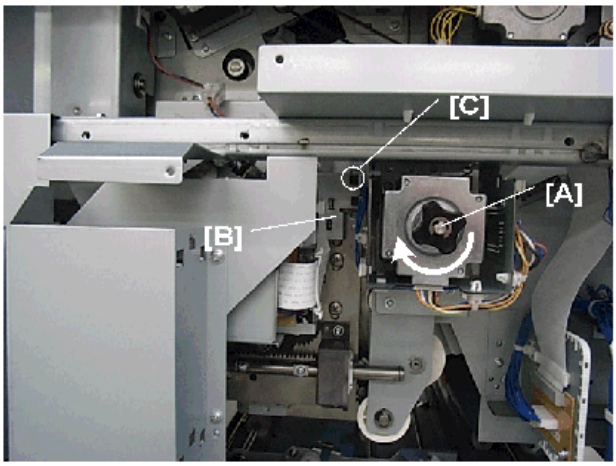
2. Mark the braces "**F**, "**C**", "**E**" as shown.



d391i012c

Rear

1. Rotate the knob [A] in the direction of the arrow to raise the grip unit until the actuator [B] reaches the sensor [C].

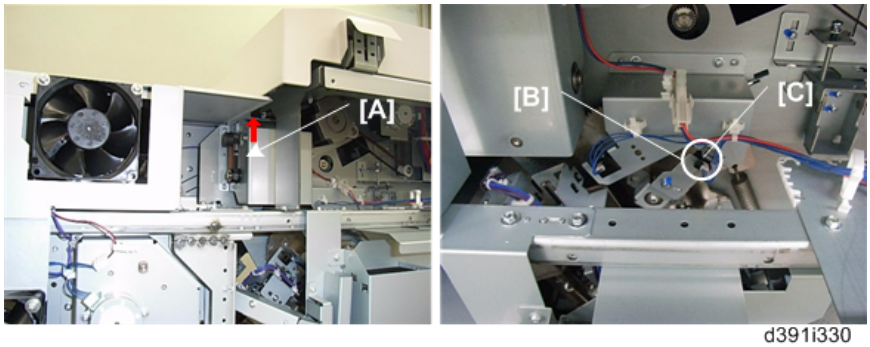


d391i329

Rear

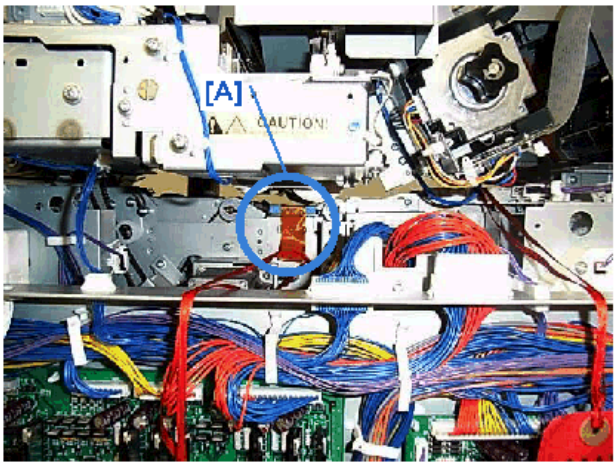
1. Push up the right side of the timing belt [A] to rotate the gear counter-clockwise until the actuator [B] reaches

the sensor [C].



d391i330

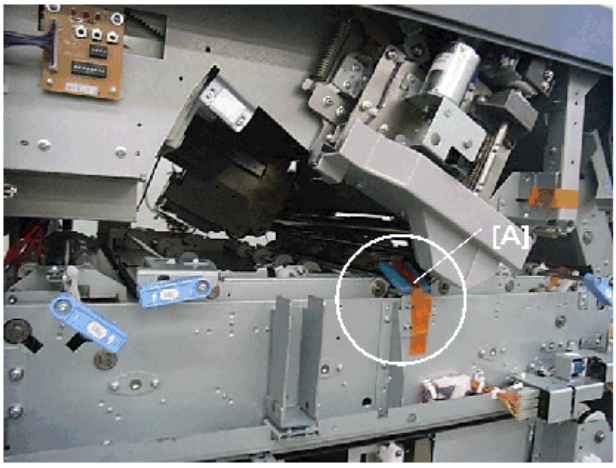
2. At the rear, remove the tape and cushions [A].



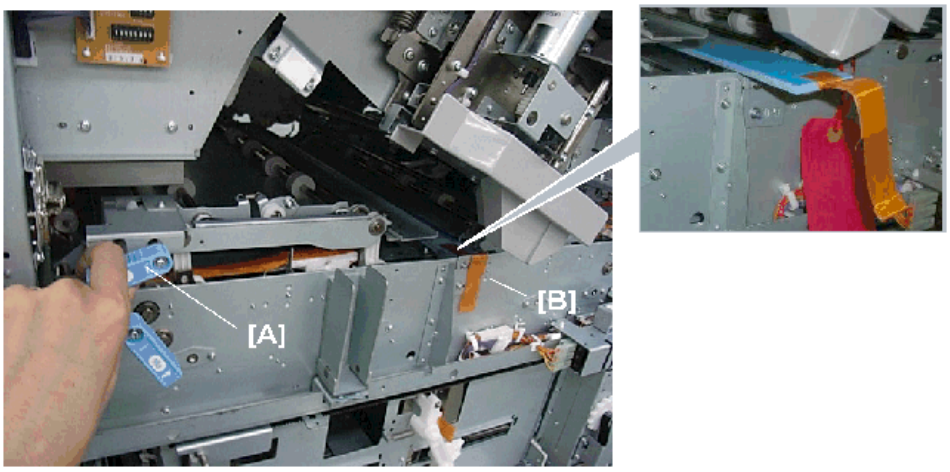
d391i331

Front

1. At the front, remove the tape and cushion [A].

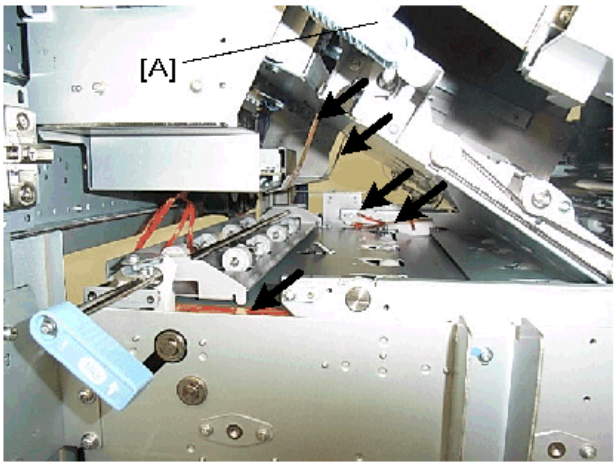


2. Lift and push **Mk7** [A] to the left and remove the tape and cushion [B].



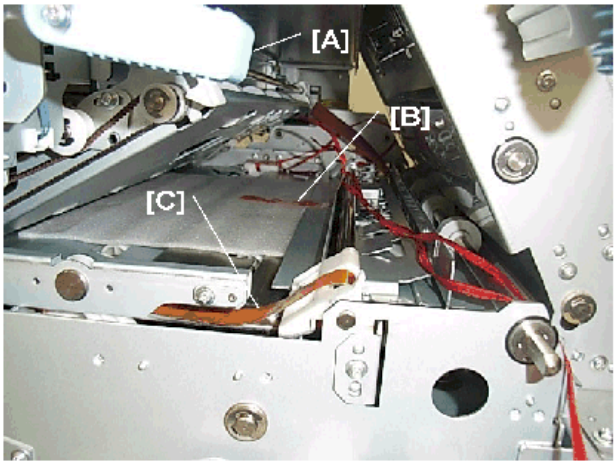
d381i333

3. Raise lever **Mk7** [A].



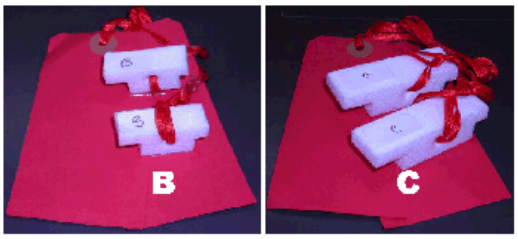
d391i334

4. Remove all strips of tape and cushions.
5. Return **Mk7** to its original position.
6. Raise **Mk9** [A].
7. Remove the long strips of tape [B] and [C].



d391i335

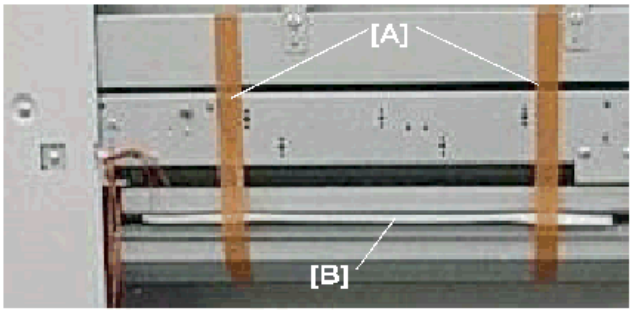
8. Label the small cushions "**B**" and the large cushions "**C**".



d391i014c

Right Side

1. Remove the two strips of tape [A].
2. At the front, lower lever **Mk8**.
3. Remove the cushion [B].



d391i336

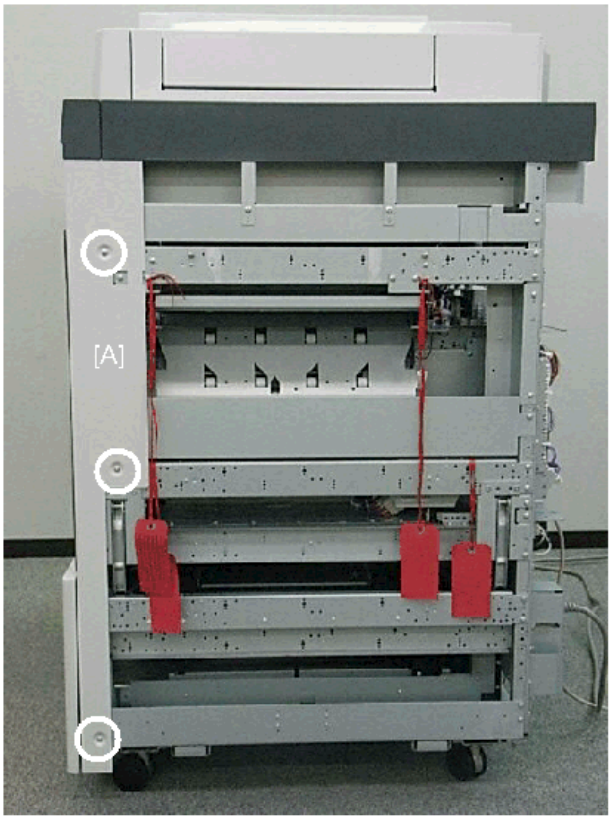
4. Return lever **Mk8** to its original position.

Trimming Unit Tape

Right Side

2.Installation

1. Remove the front right corner cover (x3).

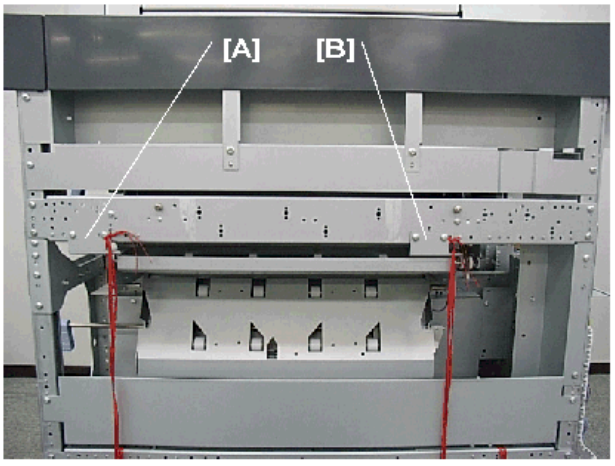


d391i337

2. Remove:

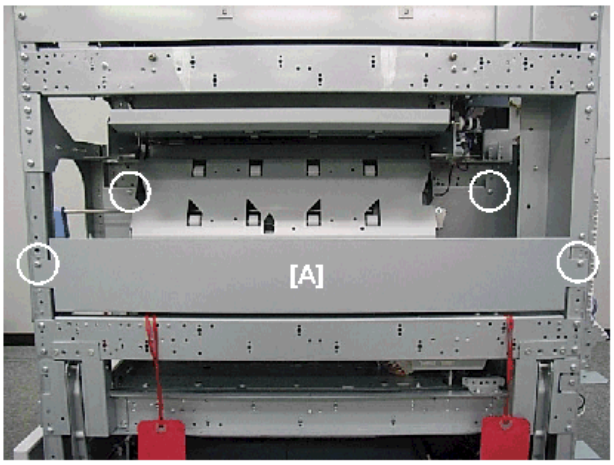
[A] Brace, tag (x3)

[B] Brace, tag (x3)



d391i338

3. Remove the delivery bracket [A] (x4).



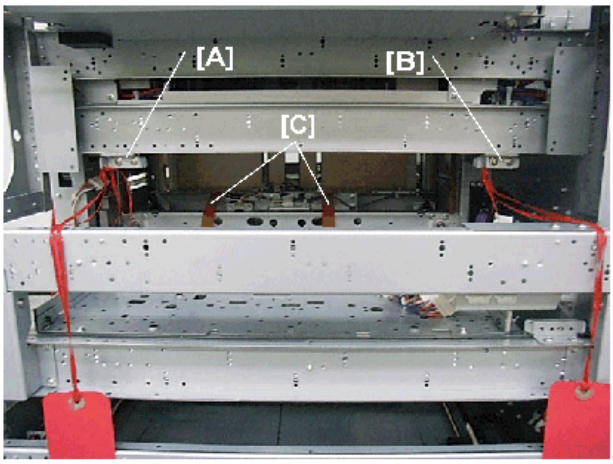
d391i339

4. Remove:

[A] Brace, tag (x2)

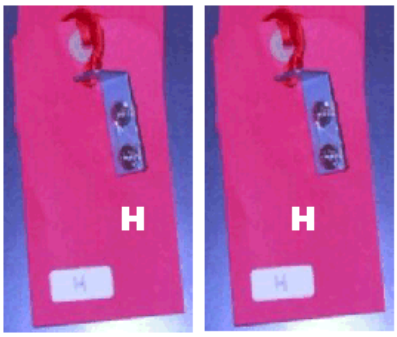
[B] Brace, tag (x2)

[C] Long tapes (x2)



d391i340

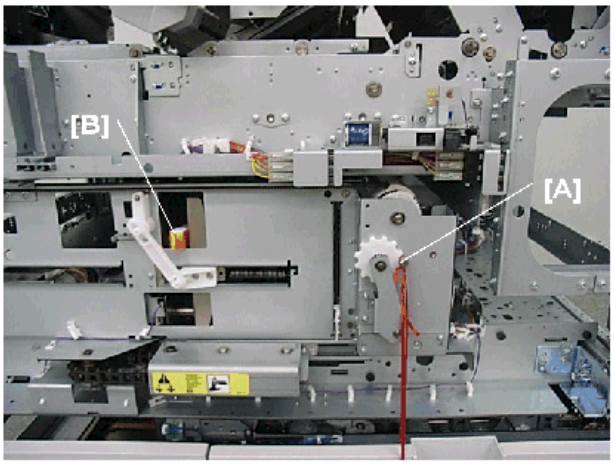
5. Label both braces "**H**".



d391i015d

Front

1. Remove the stepped screw with tag [A] (x1).



d391i341

2. Mark the stepped screw "**1**".

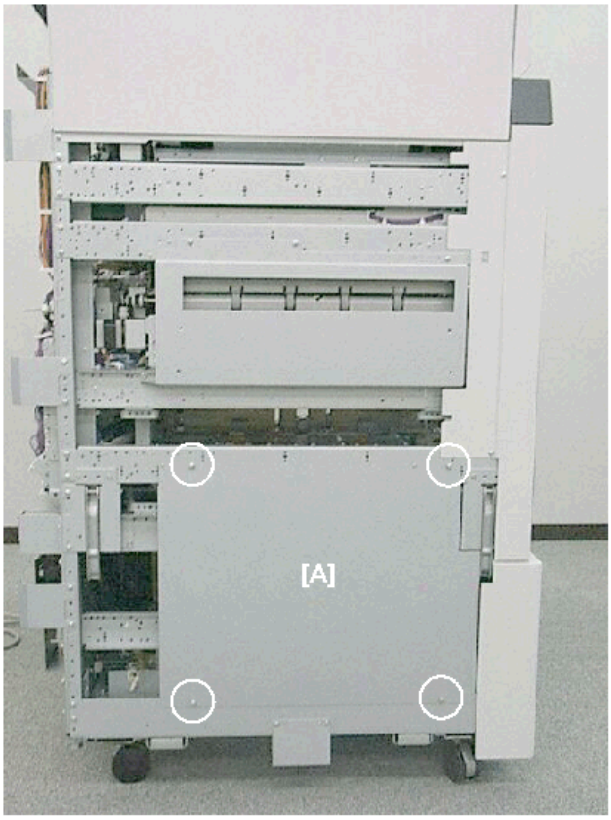
Important

- Cushion [B] (shown in the previous illustration) is firmly clamped in place and must be released before it can be removed.

d391i015e

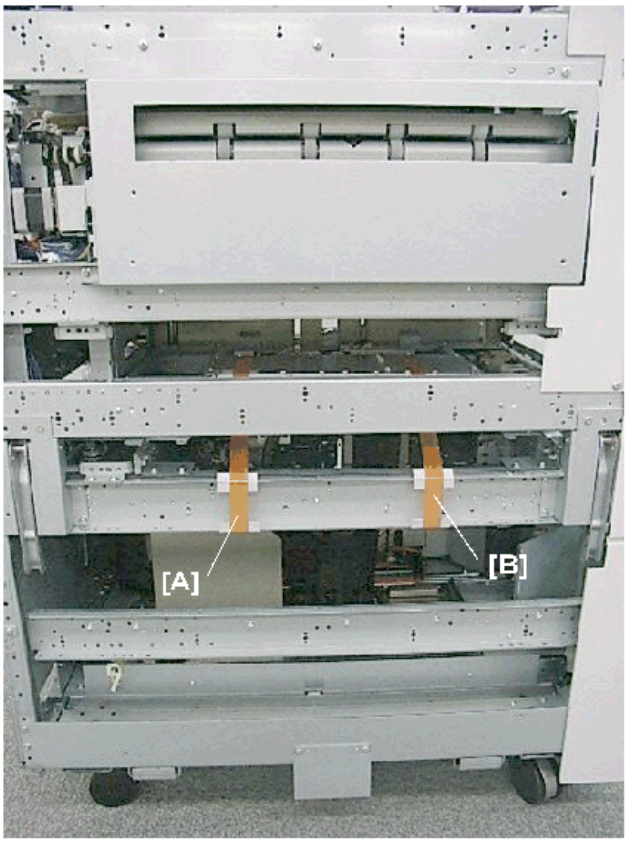
Left Side

1. Remove the left flat panel [A] (x4).



d391i342

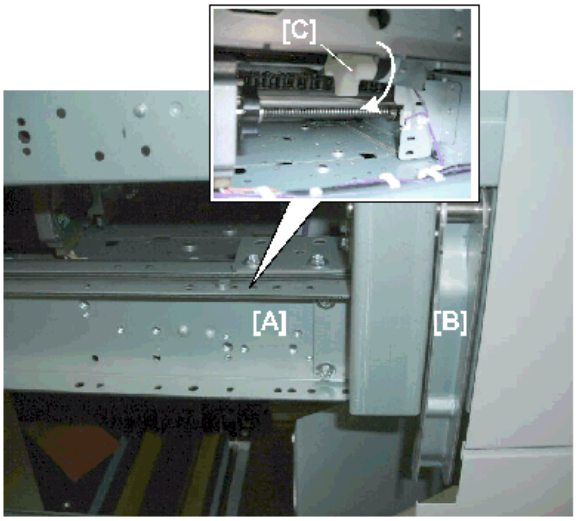
2. Remove the tape and cushions [A] and [B].



d391i343

Front Left Corner

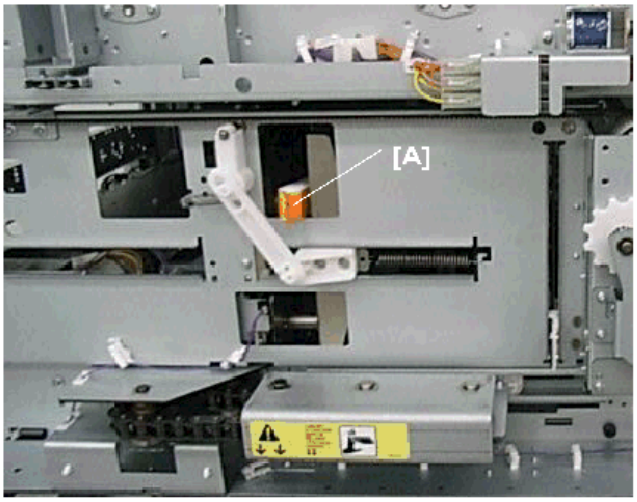
1. Behind the brace [A] near the carrying handle [B], rotate the white knob [C] to release the clamped cushion. (One full rotation should be enough to release the cushion.)



d391i344

Front

1. Remove the cushion [A].



d391i345

Book Stacking Tray Tape

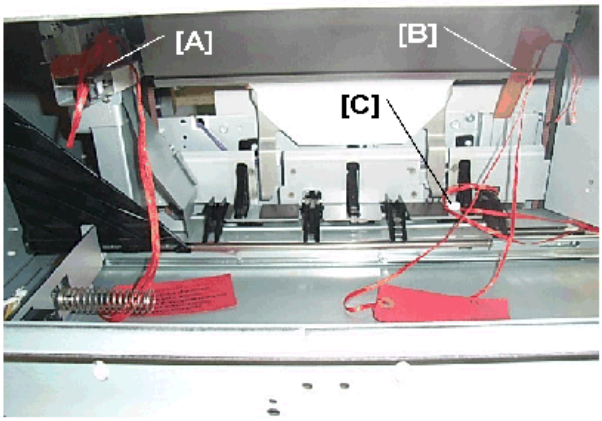
Left Side: Book Stacking Delivery Tray Pulled Out

1. Pull out the book stacking delivery tray trimmings box drawer.
2. Remove:

   [A] Tape, tag

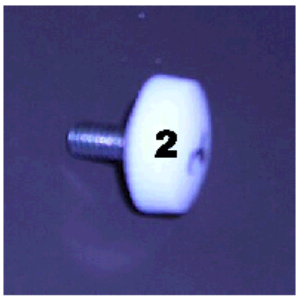
   [B] Tape tag

   [C] Knurled head screw (x1). Remove with fingers.



d391i346

3. Label the screw "**2**".

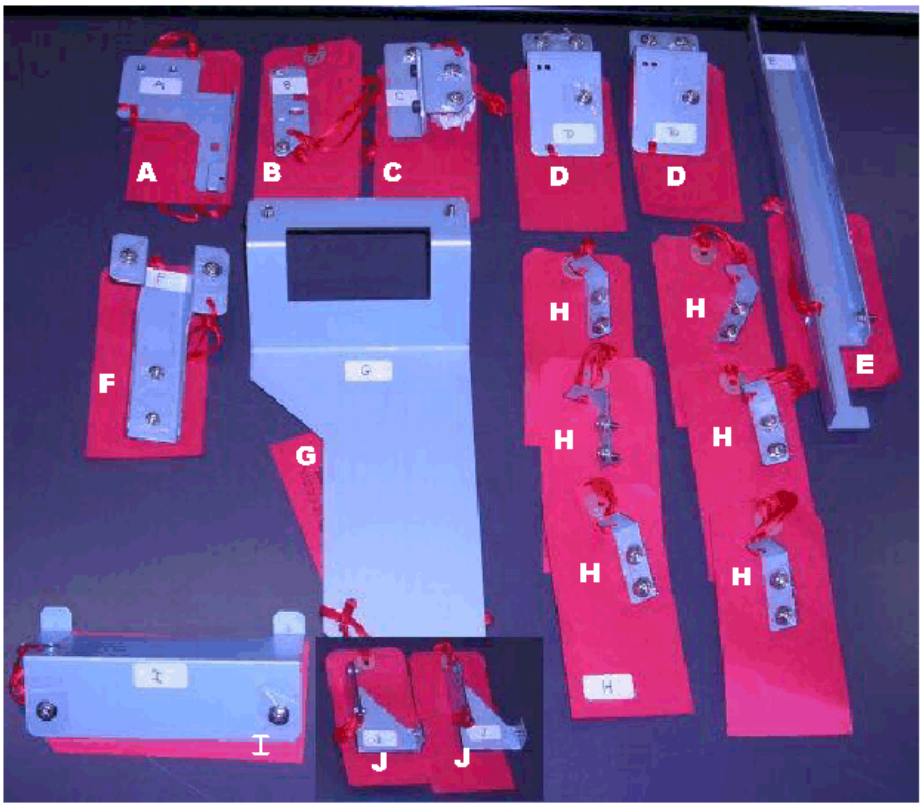


d391i016d

Confirming Removal, and Storing Braces, Cushions, Screws

1. Visually inspect the machine and confirm that all braces, screws, and cushions with red tags have been removed and marked for storage.

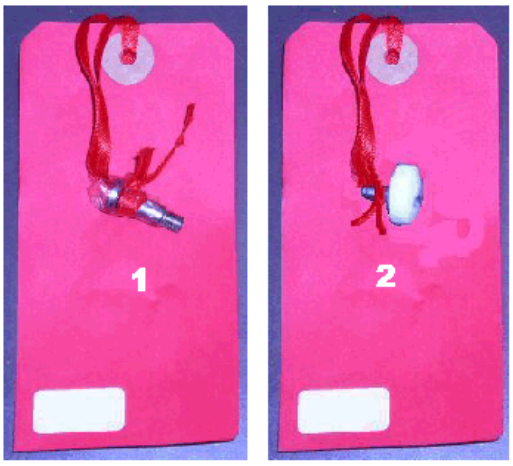
   Braces



d391i016f

Mark	Item	Quantity
A	Brace A	1
B	Brace B	1
C	Brace C	1
D	Brace D	2
E	Brace E	1
F	Brace F	1
G	Brace G	1
H	Brace H	6
I	Brace I	1
J	Brace J	2

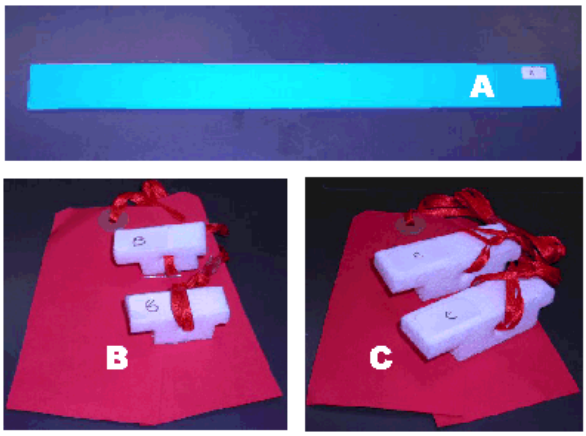
Screws



d391i016g

Mark	Item	Quantity
1	Step Screw	1
2	Plastic-head Screw	1

Cushions



d391i016f

Mark	Item	Quantity
A	Cushion A (Long)	1
B	Cushions B (Short)	2
C	Cushions C (Long)	2

2. All of these items should be retained. Some of these items must be reattached if the bookbinder is moved to a new location. For more details, please refer to "Preparing the Bookbinder for Moving".

Check List

Confirm that the following parts have been reinstalled:

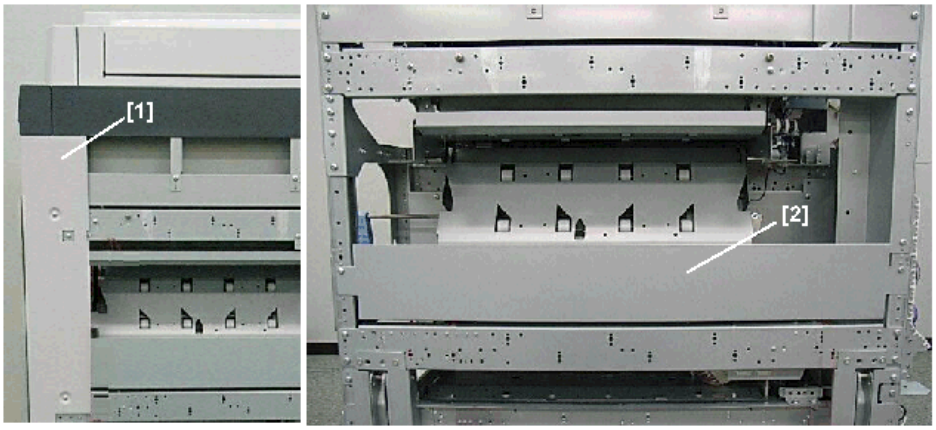
[1] Left flat panel

2.Installation

d391i820

[1] Right corner cover

[2] Delivery bracket

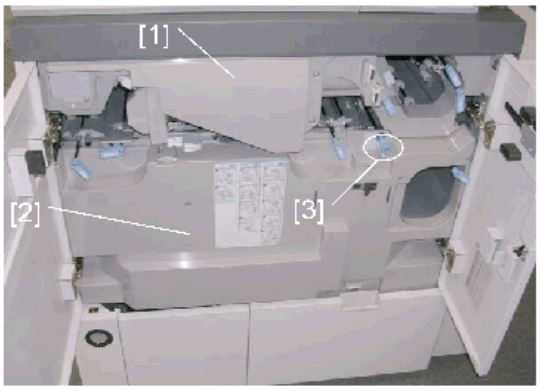


d391i821

[1] Front inner cover (upper)

[2] Front inner cover (lower)

[3] Knob Mk10



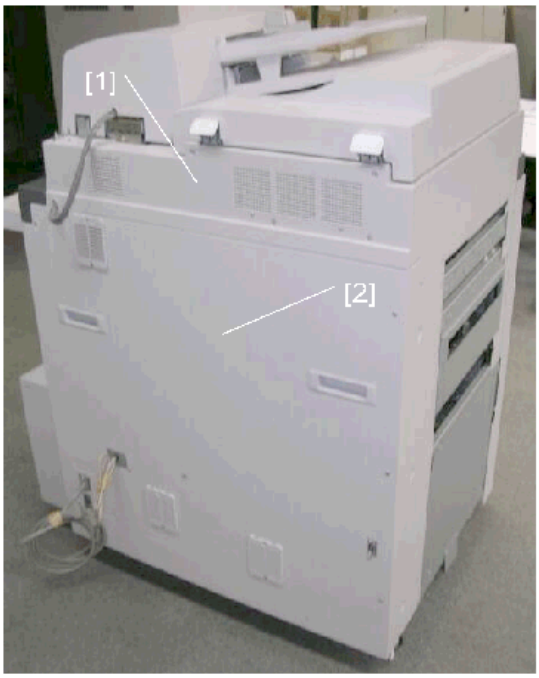
d391i822

[1] Rear cover (upper)

[2] Rear cover (lower)

Important

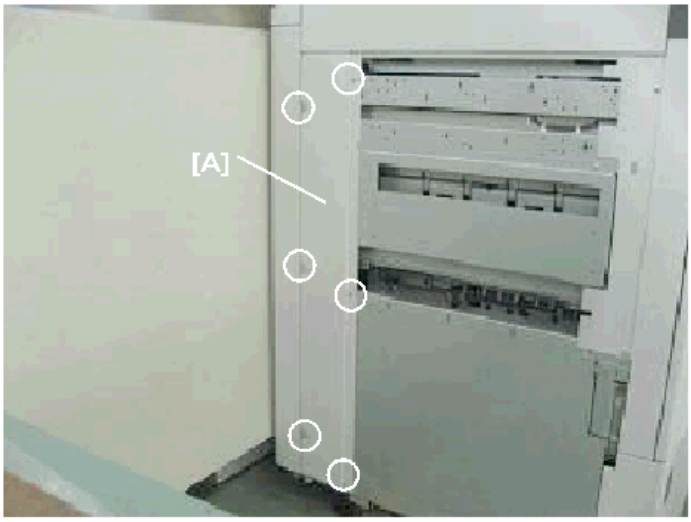
- To protect the boards from damage due to accidental short circuiting as a result of contact with a metal tool, the rear lower cover should never remain off longer than necessary.



d391i823

Docking the Bookbinder

1. At the left rear corner of the host machine, confirm that cover [A] has been reattached (x6).

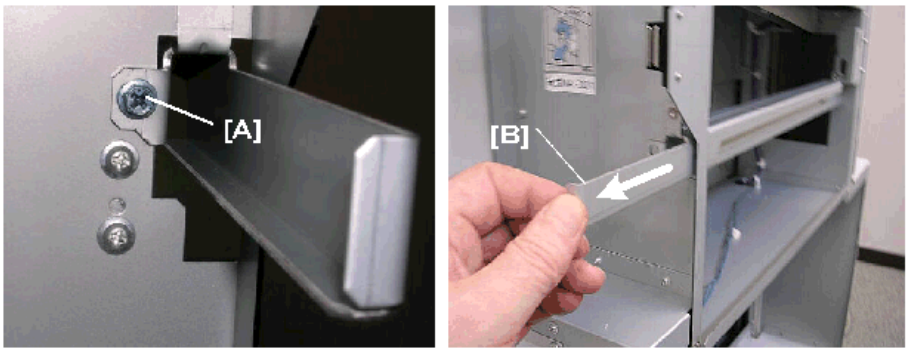


d391i510

2. On the right side of the host machine, attach:
   [A] Left joint bracket ("L") (x2)
   [B] Right joint bracket ("R") (x2)

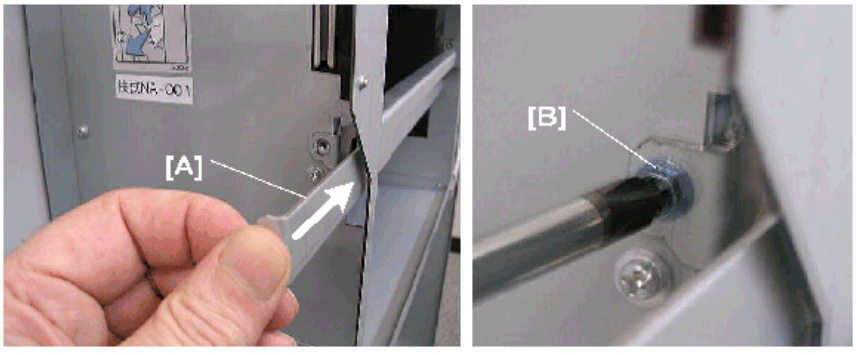
d391i513

3. Open the front door of the relay unit.
4. Remove the screw [A].
5. Pull the lock bar [B] out to lower it.



d391i518

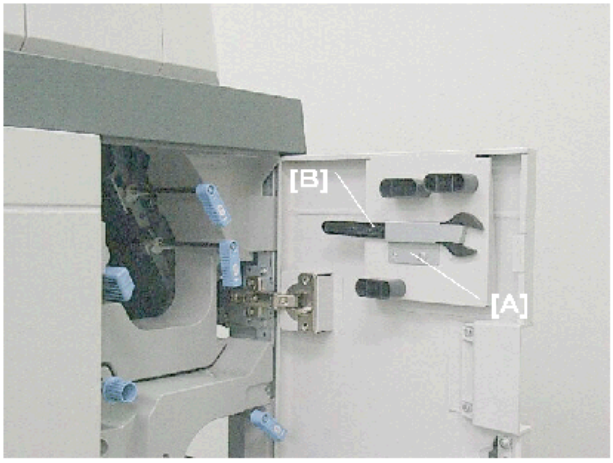
6. Slowly push the bookbinder against the side of the host machine.
7. Push in the lock bar [A] to raise it and lock it in the cutouts of the joint brackets attached to the host machine.
8. Reattach the screw [B] to fasten the lock bar in the raised position.



d391i519

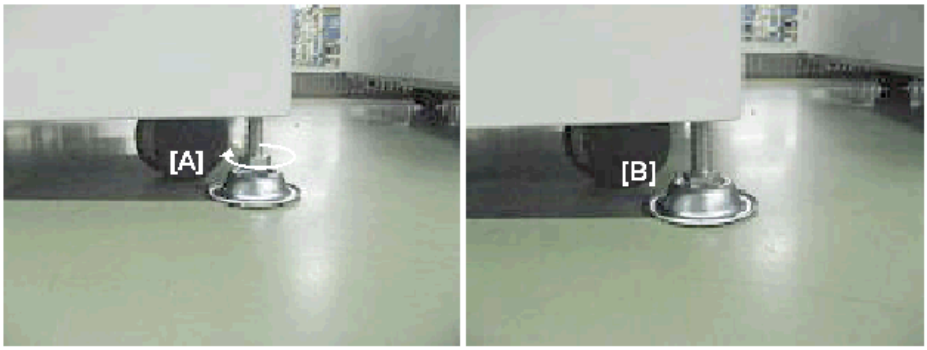
9. Remove the brace [A] from the right front door of the bookbinder. (x1)

10. Remove the wrench [B].



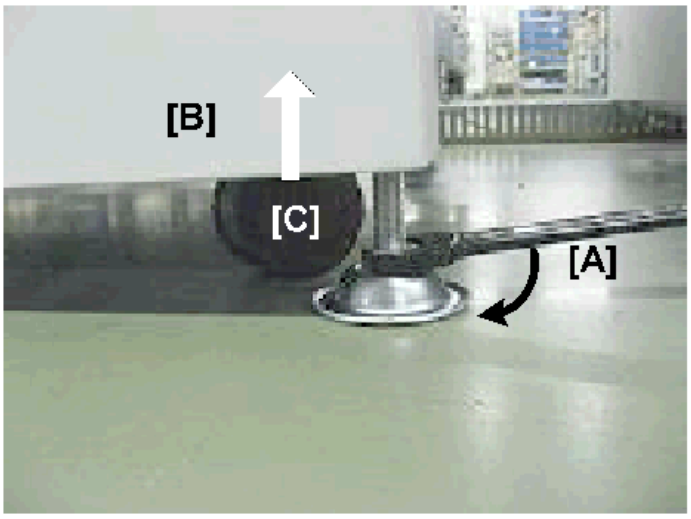
d391i361

11. Place the shoes [A] and [B] under the stoppers at each corner of the bookbinder.
12. Use your fingers (or the wrench) to turn the nut in the direction of the arrow until the nut stops on top of the shoe.



d391i511

13. At each corner, use the wrench [A] to turn the nut in the direction of the arrow to raise the bookbinder [B] until the caster [C] raises off the floor.



d391i512

14. Place a level on the top at the front and right edges of the machine to confirm that the bookbinder is level.

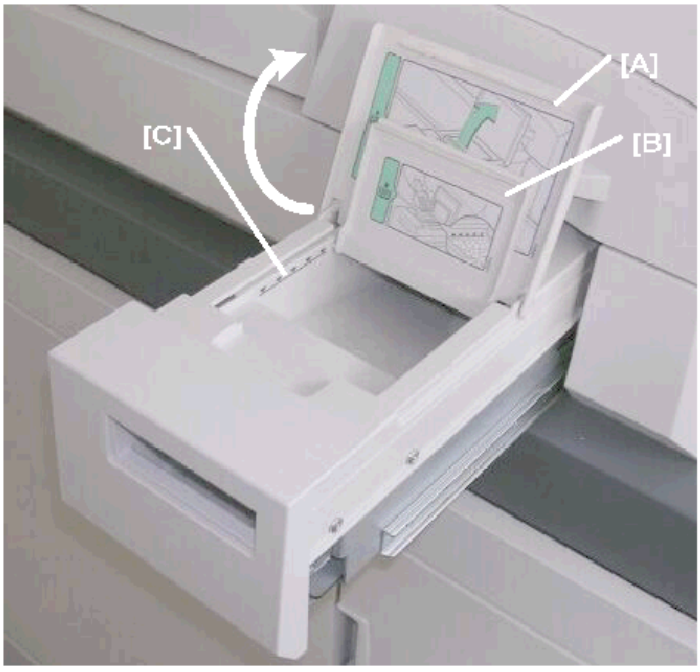
15. Adjust the corner stoppers until the machine is level.
16. Connect the bookbinder interface cable to the host machine.

Filling Bookbinder Glue Supply Unit

1. Pull out the glue supply drawer until it stops.

d391i514

2. Raise the two covers [A] and [B].
3. Note the load limit marks [C] inside the drawer on both sides.

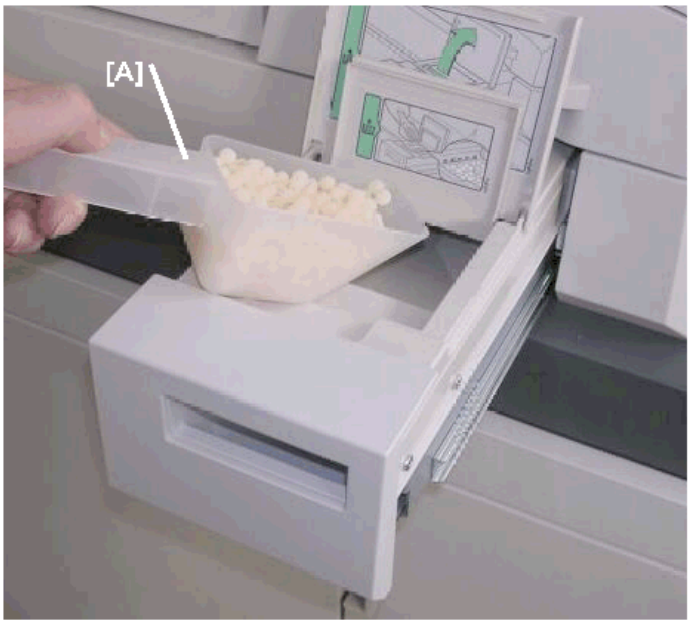


d391i515

4. Use the scoop [A] to fill the bin with glue pellets as far as the load limit marks on both sides of the drawer.

Important

- Two scoops (about 380 g each) should be sufficient.



d391i156

5. Close both covers.
6. Push in the glue supply drawer.

Handling and Storing the Glue Pellet Supply

Exercise precaution when choosing a location for storing the glue pellets.

- Store the pellets where they will not be exposed to direct sunlight.
- The storage location should be within this temperature range: -20°C to 40°C.
- Never expose pellets to direct flame.
- Keep the pellets out of the reach of small children. If pellets are accidentally ingested, contact a physician immediately.
- Never dispose of pellets by incinerating them. Obey local laws and regulations that restrict disposal of such items.

When using the glue pellets:

- Use only glue pellets recommended for use with this bookbinder.
- Before the start of a job, press the glue warm-up button on the right front corner of the bookbinder to start heating the glue.
- Never fill the glue pellet supply drawer higher than the load limit marks shown on both sides of the drawer.

Testing the Breaker Switch

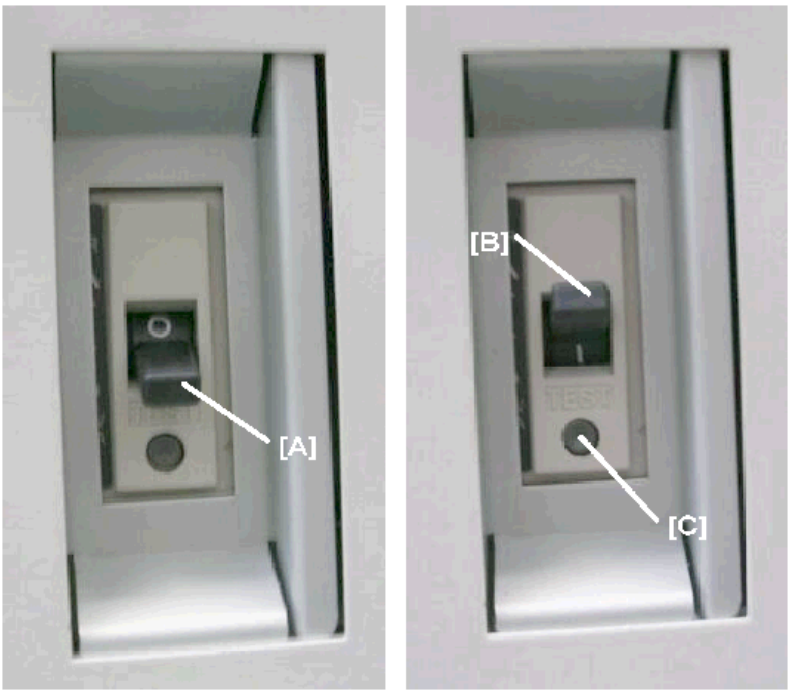
1. Turn off the host machine.

   Important

   - The power supply to the bookbinder must be off.
2. Plug the bookbinder power cord into its power source.
3. Locate the breaker switch [A] at the right lower corner of the machine below the power cord.
4. Raise the breaker switch [B] so you can see the "|" under the switch. This is the ON position. (Ignore this step

if the breaker switch is already at the "|" position.)

5. Use the tip of a small screwdriver to push the breaker test button [C].
   - The breaker switch should flip to the "**O**" (OFF) position. This indicates that the breaker switch is operating normally.
   - If the breaker switch does not flip to the "**O**" position, the switch must be replaced.



6. Reset the switch to the "|" (ON) position for normal operation.

Important

- The bookbinder will not turn on if the breaker switch is not reset to the "|" position.

Final Check

Important

Check with your supervisor to determine if the most recent firmware needs to be installed.

1. Connect the power cord of the copier to its power source.
2. Connect the power cord of the bookbinder to its power source.
3. Turn on the host machine.

Preparing the Bookbinder for Moving

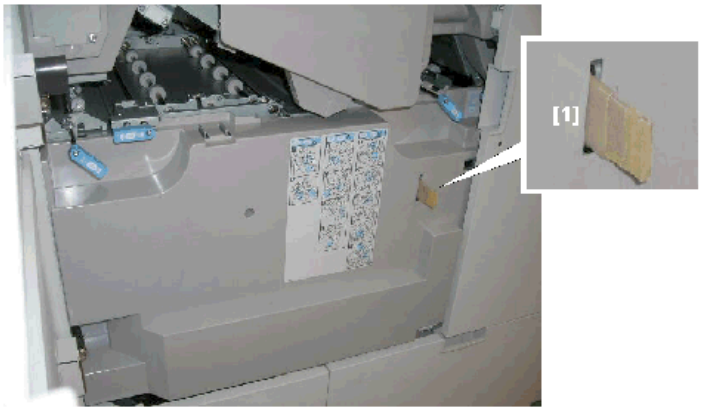
Do this procedure to move the internal units to their home positions before moving the machine.

Important

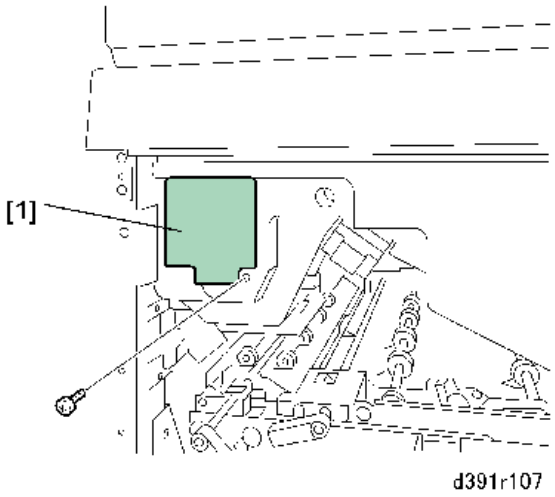
- This procedure must be done before reattaching any braces to the perfect binder.

1. Switch the host machine off.

2. Open the right and left front doors.
3. Close the right door.
4. Insert a piece of cardboard or folded piece of paper into the slot [1] in the left door switch.

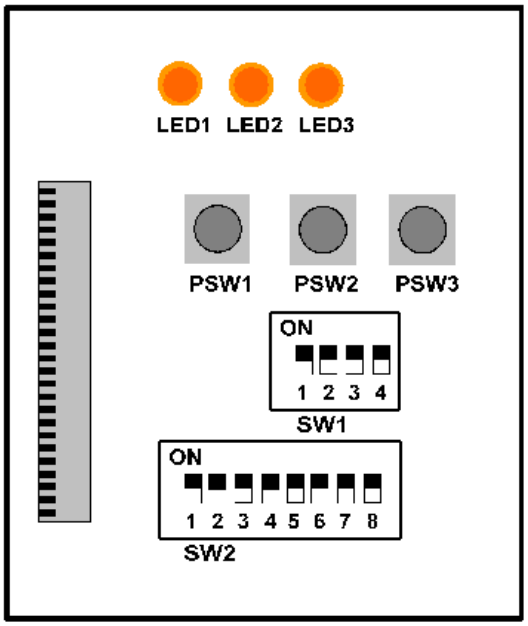


5. Remove the service board cover [1] (x1).



6. On the SW1 bank, set DIP switch 1 to ON.

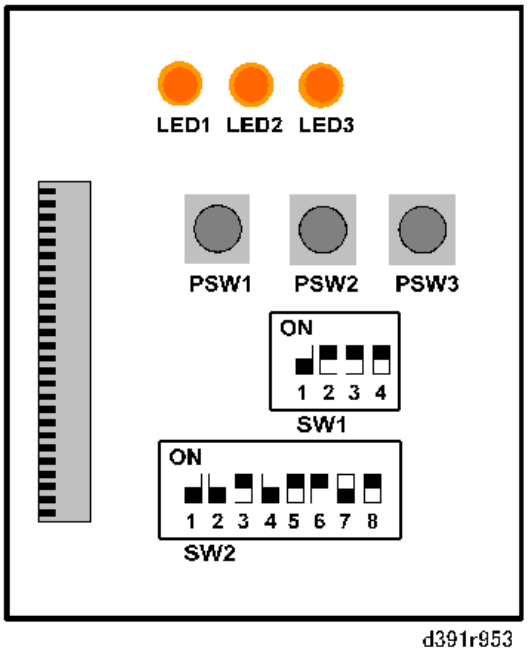
7. On the SW2 bank, set DIP switches 1, 2, 4, 7 to ON.



8. Turn the host machine on.

⚠CAUTION

- Wait about 30 sec.
- Make sure that your hands and tools are well clear of the parts inside the machine.



9. Slowly push [PSW1] 11 times.
   - Each push on the [PSW1] moves a unit to its shipping position (see the table below).
   - After each push, LED2 flashes until the task has been completed. Wait for LED2 to go off before you press [PSW1] again.

No.	Operation	Target Unit
1	• Moves the blade cradle to its initial	Trimming Unit

No.	Operation	Target Unit
	position. • Moves the signature press blade to its END position. • Moves inside the trimming unit. • Opens the rotation guide plate. • Lowers the slide to mechanical stopper.	(This requires more time. Wait for LED2 to turn OFF before pressing [PSW1] again.
2	Closes the rotation guide plate.	Cutter Rotation Unit
3	Moves the trimmings buffer into the machine.	Trimmings Unit Cutter
4	Lowers the sub gripper, signature gripper.	Sub Grip Unit
5	Lowers the stacking tray.	Stacking Tray
6	Retracts the right and left cover path guide plates.	Cover Unit
7	Opens the spine fold plate (movable side only)	Cover Unit
8	Closes the right and left cover path guide plates.	Cover Unit
9	Rotates the main gripper.	Main Grip Unit
10	Lowers the main gripper.	Main Grip Unit
11	Closes the main gripper.	Main Grip Unit

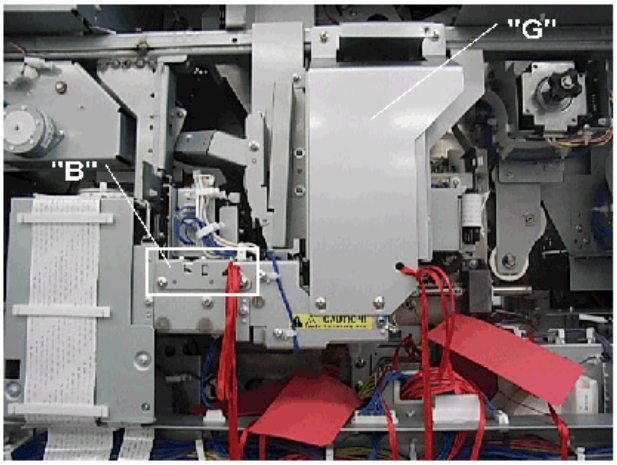
- All three LEDs on the Service Board light after all units have been moved to their shipping positions.

10. Set all the SW1 and SW2 DIP switches to the down positions.
11. Switch off the host machine.
12. After moving the machine to its new location:
    - Remove any shipping brackets that have been reattached.
    - Connect and turn on the book binder. The internal units will automatically move to their start positions.

Same Floor

If the bookbinder will be moved to another location on the same floor where there are few bumps or ridges (cable protectors, for example), reattach the braces at two locations to stabilize the gluing unit and sub grip unit.

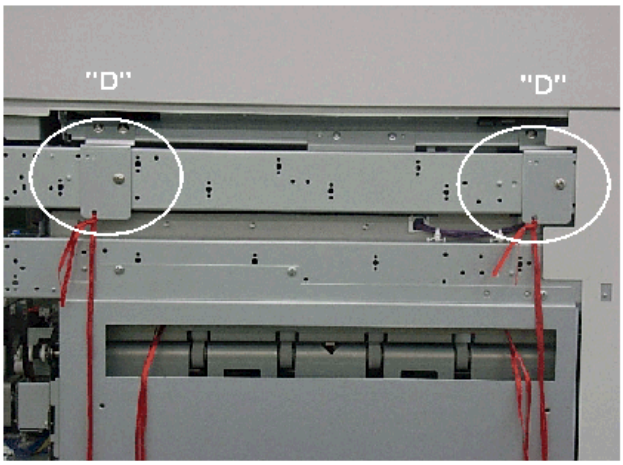
Gluing Unit



d391i520

Brace	Quantity
Brace "B" (x4)	1
Brace "G" (x4)	1

Sub Grip Unit



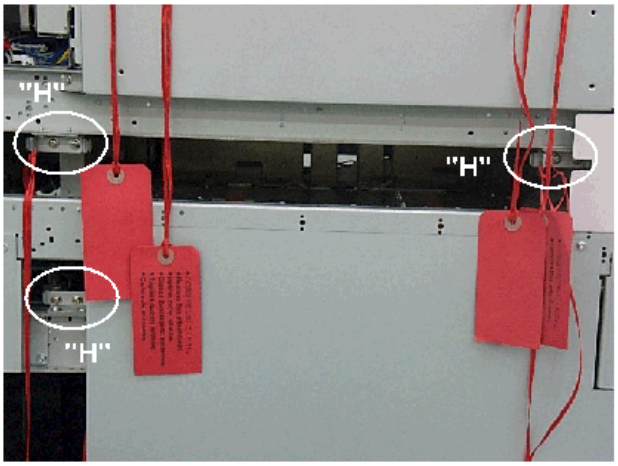
d391i521

Brace	Quantity
Braces "D" (x3 ea.)	2

Another Floor (by Elevator)

If the bookbinder will be moved by elevator to a different floor in the same building attach the braces to stabilize the gluing unit, sub grip unit (described above) and the two additional locations described below.

Left Side (Paper Exit)



d391i522

Brace	Quantity
Braces "H" (x2 each)	3

Right Side (Paper Entrance)

d391i523

Brace	Quantity
Brace "H" (x2)	1

Shipping the Bookbinder

Follow the installation instructions in reverse and reattach as many of the braces and cushions as possible.

- Use the Service Board DIP SWs to set the components inside the machine to their correct moving positions before you reattach any braces. (See the procedure above.)

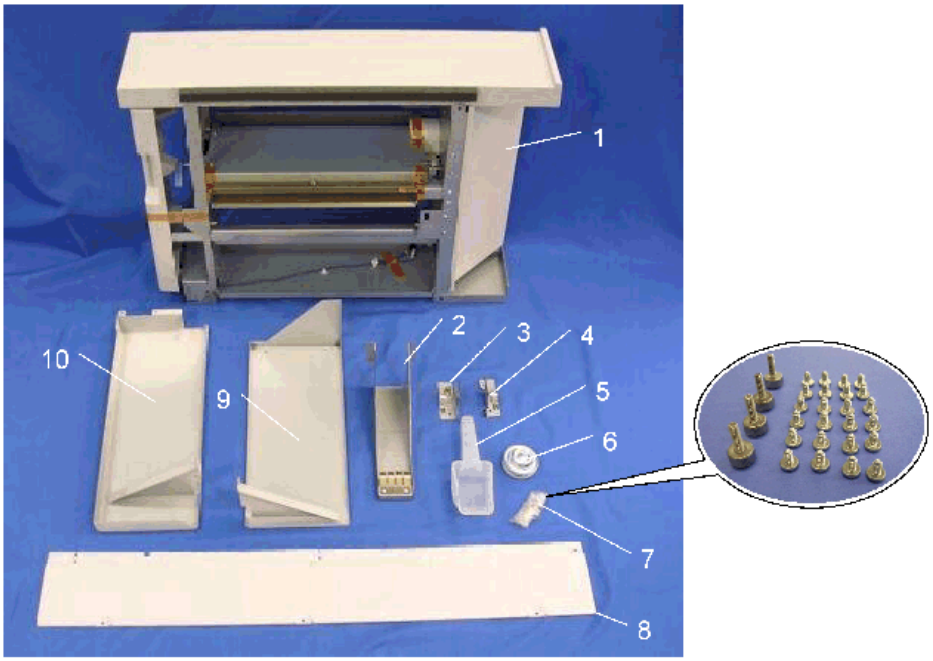
- Make sure the braces are fastened with their screws and clearly marked for removal with the original red tags (or improvised tags).
- Do not turn on the bookbinder until you have confirmed that all braces have been removed.
- The book binder is extremely heavy. At least four persons will be needed to move the bookbinder onto its pallet.

Transit Pass Unit for Perfect Binder Type S1

Relay Unit Accessories

Check the accessories and their quantities against this list.

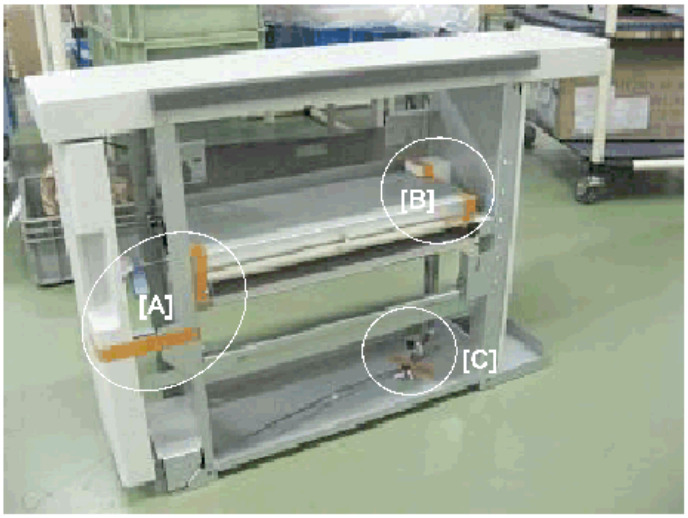
No.	Description	Q'ty
1.	Transit Pass Unit (Relay Unit)	1
2.	Ground Plate	1
3.	Joint Bracket (Left)	1
4.	Joint Bracket (Right)	1
5.	Scoop (for loading glue pellets)	1
6.	Shoe Plates (for host machine)	4
7.	Screws	28
8.	Cover (Left: Rear for host machine)	1
9.	Front Cover (for relay unit)	1
10.	Rear Cover (for relay unit)	1



d391i501

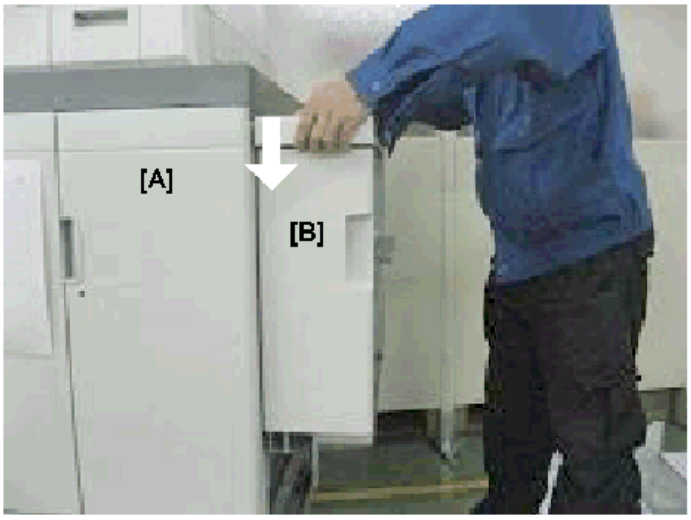
Relay Unit Installation

1. From the relay unit, remove:
   [A] Strips of tape x2
   [B] Strips of tape x3, cushion x1
   [C] Tape x1



d391i502

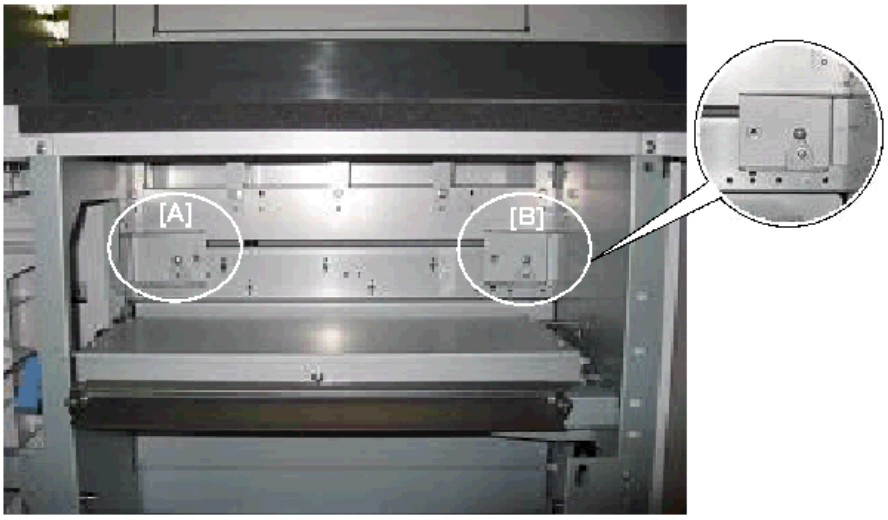
2. On the right side of the host machine [A], lower the relay unit [B] onto the two shoulder screws (front and rear).



d391i503

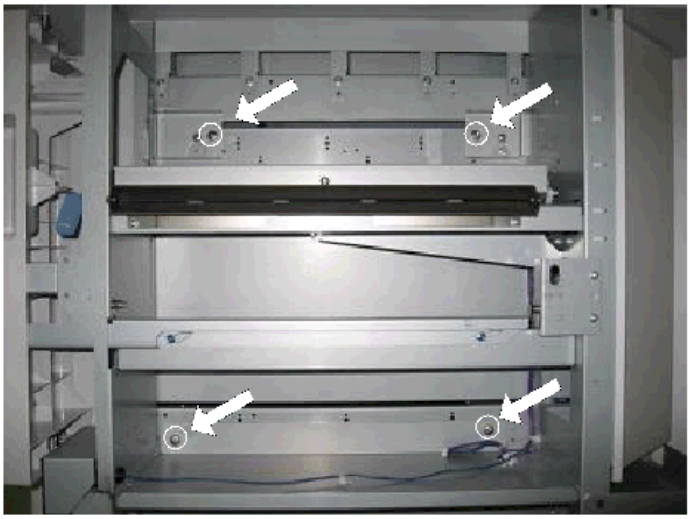
3. Confirm that the slots on the left side of the relay unit are both hooked correctly on the heads of the shoulder

screws [A] and [B].



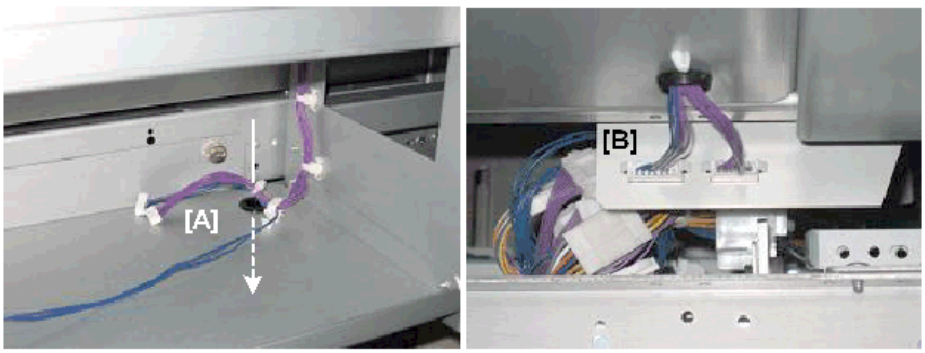
d391i504

4. Use the accessory screws (long, knurled heads) to fasten the relay unit to the side of the host machine (x4).



d391i505

5. Route the two relay unit harnesses through the grommet and hole [A].
6. Attach the harnesses at [B] below.



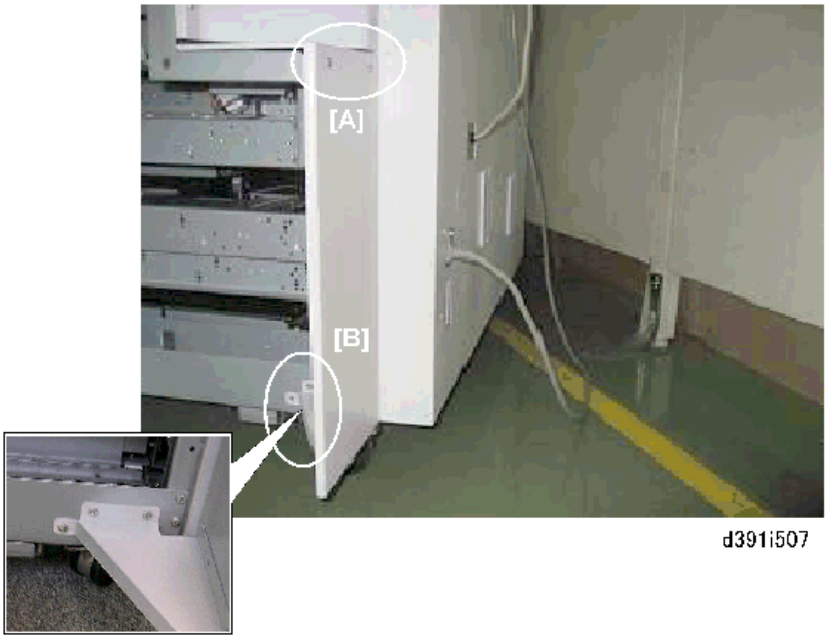
d391i506

7. Attach the rear cover to the relay unit.

2.Installation

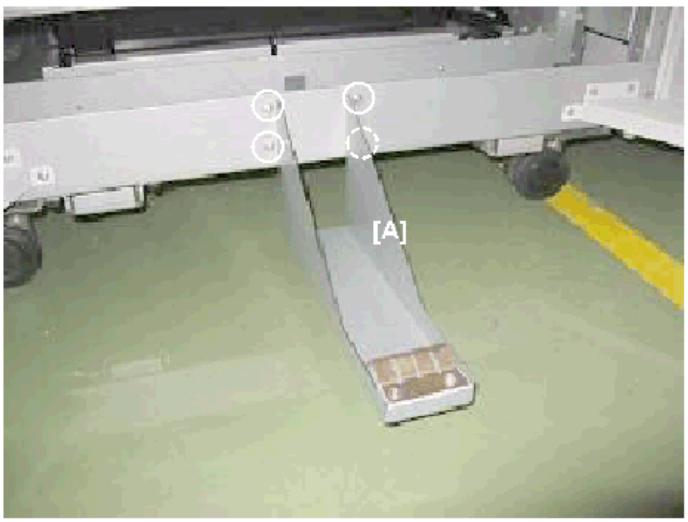
[A] x2

[B] x3



d391i507

8. Attach the ground plate [A] (x4).

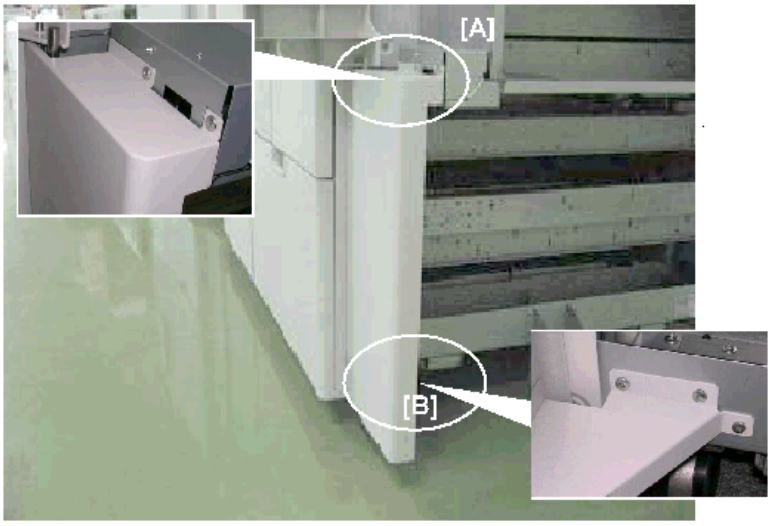


d391i509

9. Attach the front cover to the relay unit.

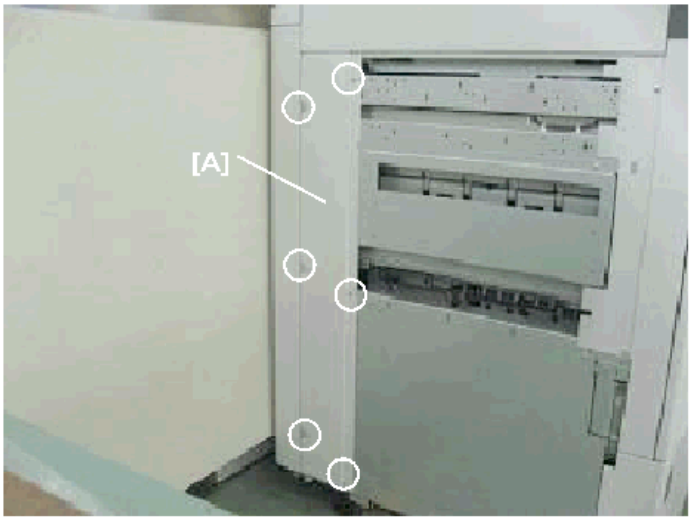
[A] x2

[B] x3



d391i508

10. At the left rear corner of the host machine, attach the cover [A] (x6).



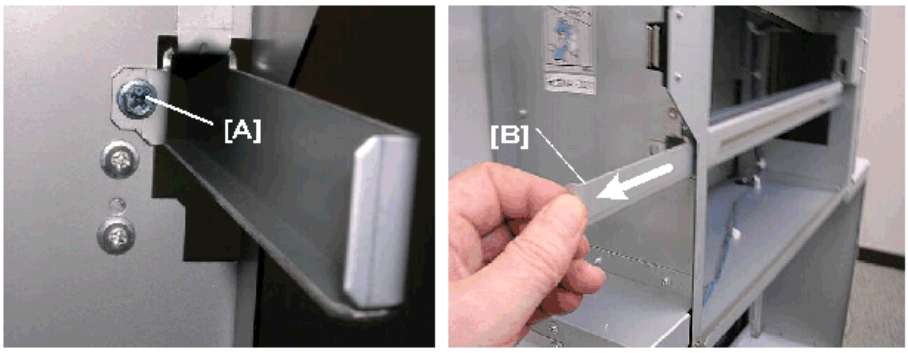
d391i510

11. On the right side of the host machine, attach:
    [A] Left joint bracket ("L") (x2)
    [B] Right joint bracket ("R") (x2)

d391i513

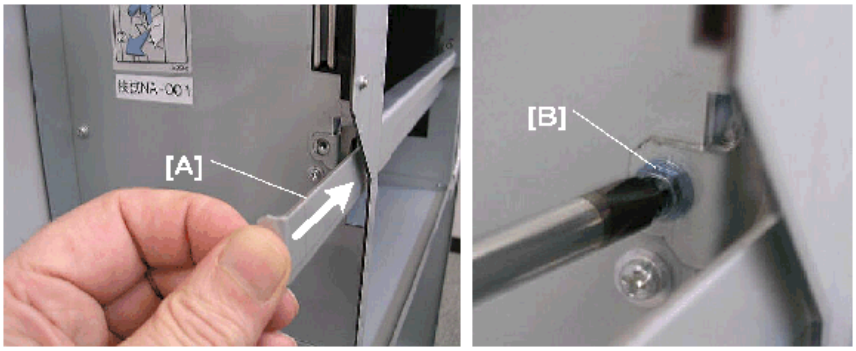
12. Open the front door of the relay unit.

13. Remove the screw [A].
14. Pull the lock bar [B] out to lower it.



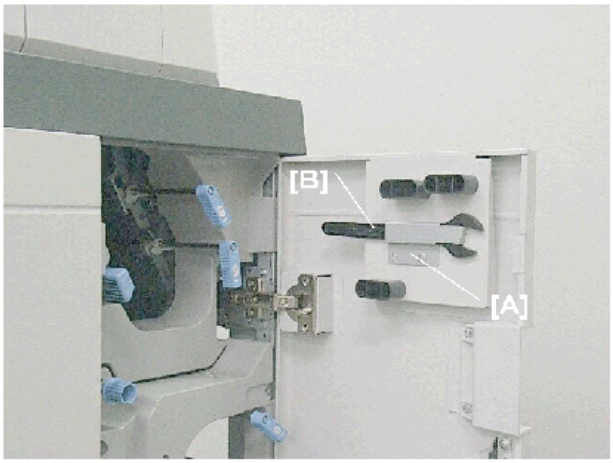
d391i518

15. Slowly push the bookbinder against the side of the host machine.
16. Push in the lock bar [A] to raise it and lock it in the cutouts of the joint brackets attached to the host machine.
17. Reattach the screw [B] to fasten the lock bar in the raised position.



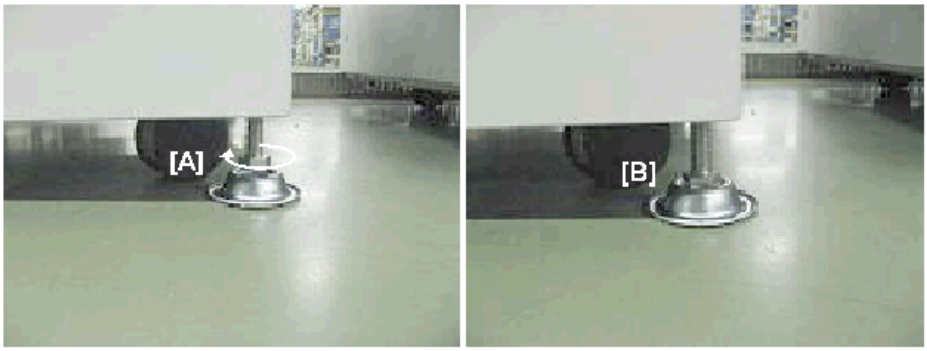
d391i519

18. Remove the brace [A] from the right front door of the bookbinder. (x1)
19. Remove the wrench [B].



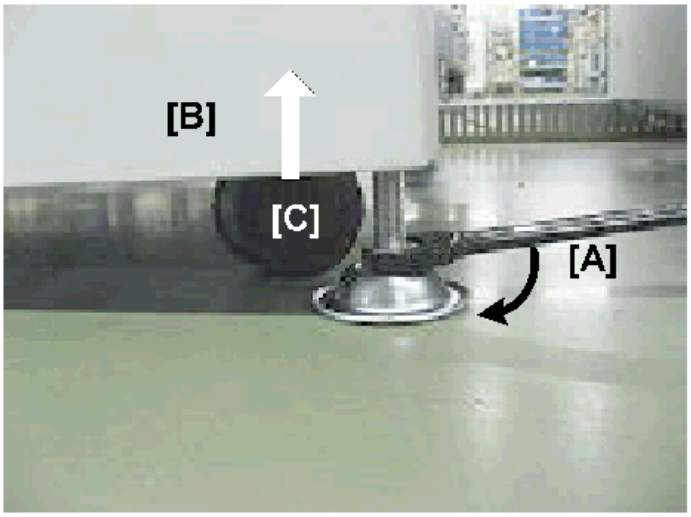
d391i361

20. Place the shoes [A] and [B] under the stoppers at each corner of the bookbinder.



d391i511

21. Use your fingers (or the wrench) to turn the nut in the direction of the arrow until the nut stops on top of the shoe.
22. At each corner, use the wrench [A] to turn the nut in the direction of the arrow to raise the bookbinder [B] until the caster [C] raises off the floor.



d391i512

23. Place a level on the top at the front and right edges of the machine to confirm that the bookbinder is level.
24. Adjust the corner stoppers until the machine is level.
25. Connect the bookbinder interface cable to the host machine.

Testing the Breaker Switch

1. Turn off the host machine.

Important

- The power supply to the bookbinder must be off.

2. Plug the bookbinder power cord into its power source.
3. Locate the breaker switch [A] at the right lower corner of the machine below the power cord.
4. Raise the breaker switch [B] so that you can see the "|" under the switch. This is the ON position. (Ignore this step if the breaker switch is already at the "|" position.)

5. Use the tip of a small screwdriver to push the breaker test button [C].
   The breaker switch should flip to the "**O**" (OFF) position. This indicates that the breaker switch is operating normally.
   If the breaker switch does not flip to the "**O**" position, the switch must be replaced.
6. Reset the switch to the "|" (ON) position for normal operation.

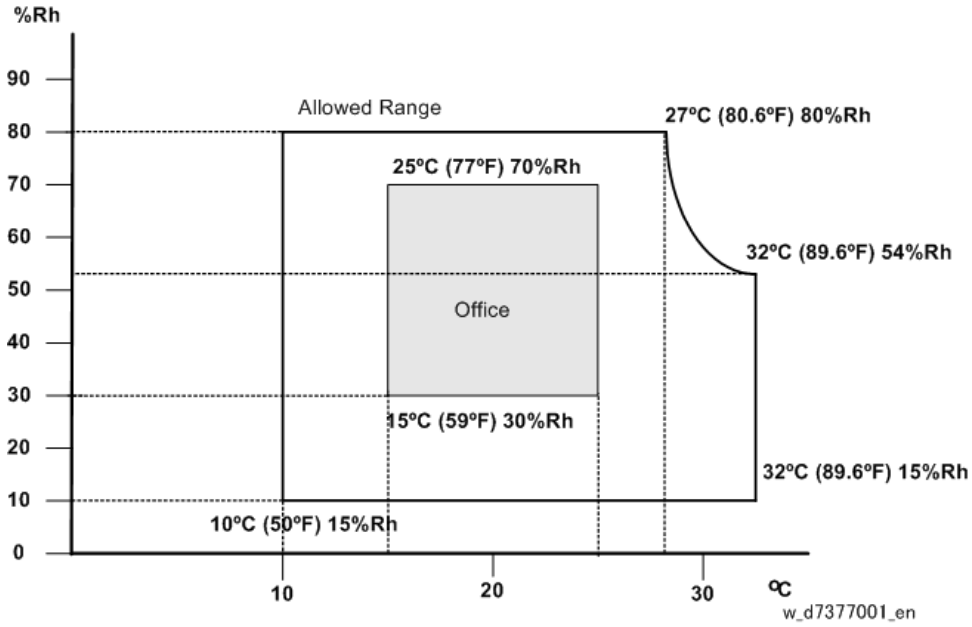
Important

- The bookbinder will not turn on if the breaker switch is not reset to the "|" position.

Ring Binder RB5020

Operating Environment

1. Temperature Range
   - Allowed: 10°C to 32°C (50°F to 90°F)
   - Recommended: 15°C to 25°C (59°F to 77°F) Rh 50%
2. Humidity Range:
   - Allowed: 15% to 80% Rh
   - Recommended: 30% to 70%
3. Ambient Illumination: Less than 1,500 lux (do not expose to direct sunlight or strong light.)
4. Ventilation: Air must be replaced a minimum of 3 times per hour
5. Ambient Dust: Less than 0.10 mg/m^3



6. If the installation area has air-conditioners or heaters, put the finisher in a location that agrees with these conditions:
   - Where there are no sudden temperature changes from low to high, or high to low.
   - Where it will not be directly exposed to cool air from an air conditioner in the summer.
   - Where it will not be directly exposed to reflected heat from a heater in the winter
7. Do not put the finisher where it will be exposed to corrosive gases.
8. Put the finisher on a strong and level surface. The front and rear of the machine must be less than 5 mm (0.2") away from level.
9. Do not put the finisher where there could be strong vibrations.
10. Do not connect the finisher to a power supply shared with other electrical devices.
11. The machine generates a strong electromagnetic field. This can cause interference with radio or television reception.

Machine Level

1. Front to rear: Less than 5 mm (0.2") away from level
2. Right to left: Less than 5 mm (0.2") away from level

   The finisher legs can be turned to adjust them up or down to make the machine level.

Minimum Space Requirements

The minimum clearances at the front and back are the same as the host machine.

Power Supply

Input voltage level	100 to 240V 50/60 Hz NA: 120V 50/60 Hz 5A EU: 220 to 240V 50/60 Hz 3A

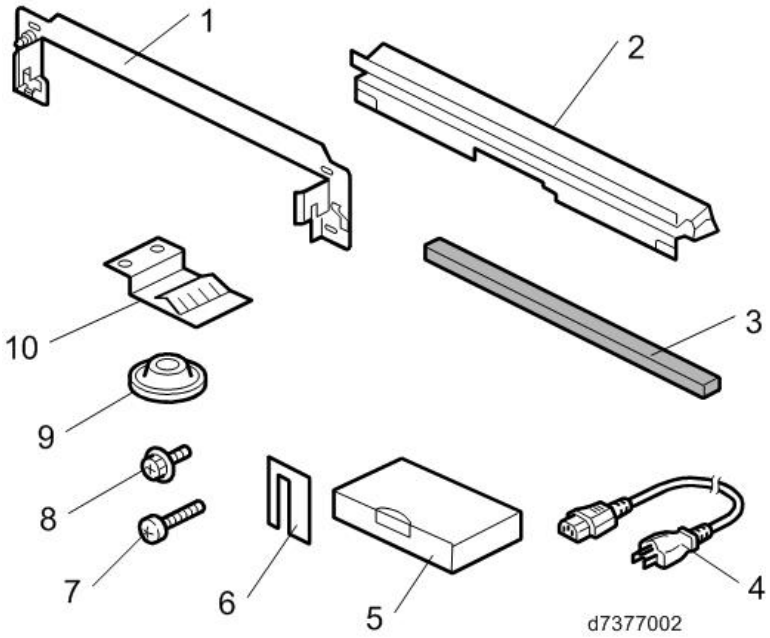
Important

- The finisher must have an independent power source. Avoid multi-wiring.
- The finisher must be properly grounded at the power source.

Accessories

Check each accessory against the list below to make sure that you have everything.

No.	Item	Q'ty
1.	Docking Bracket	1
2.	Entrance Guide Plate	1
3.	Sponge Strip	1
4.	Power Cord	1
5.	Ring Opener	1
6.	Ring Supply Level Indicator	1
7.	Screws (M4 x 14)	4
8.	Tapping Screws (M3 x 6)	4
9.	Leveling Shoes	4
10.	Ground (Earth) Plate	1

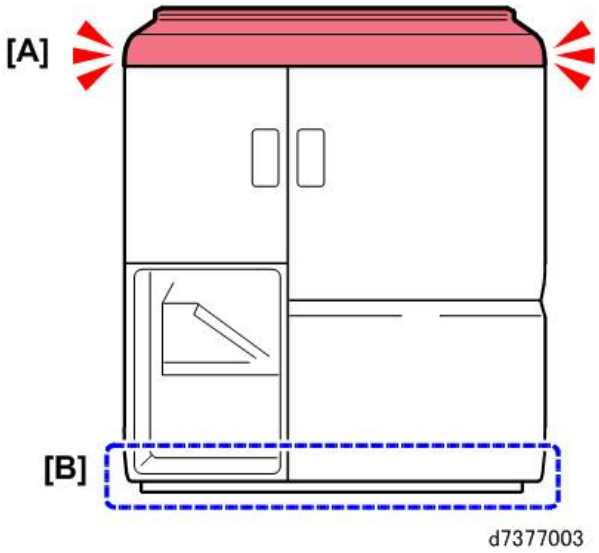


Before You Begin

The ring binder weighs 140 kg (308 lb.).

Important

- To prevent bending or breaking the top cover, never lift the unit by its top cover [A]. Always raise the unit from the base [B].



Installation Procedure

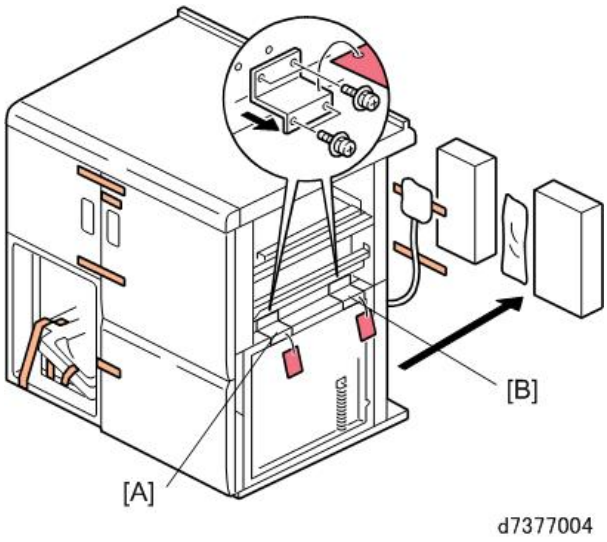
⚠CAUTION

- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

- If this unit is to be installed to the left of the mainframe, the attachment procedure of additional sponge strip(s) is required. For details, refer to the Field Service Manual of the main machine.

Remove All Shipping Materials

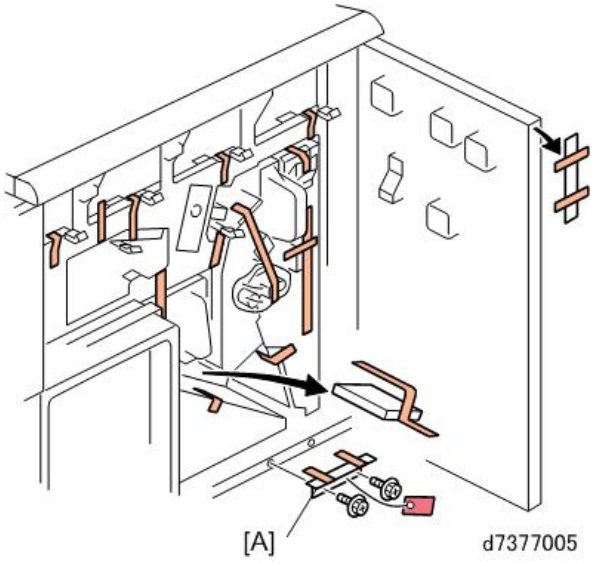
1. Remove all visible tapes, cushion, two accessory boxes, and wrapping material attached to the outside of the unit.
2. Remove:
   [A] Brace x1 (x4)
   [B] Brace x1 (x4)



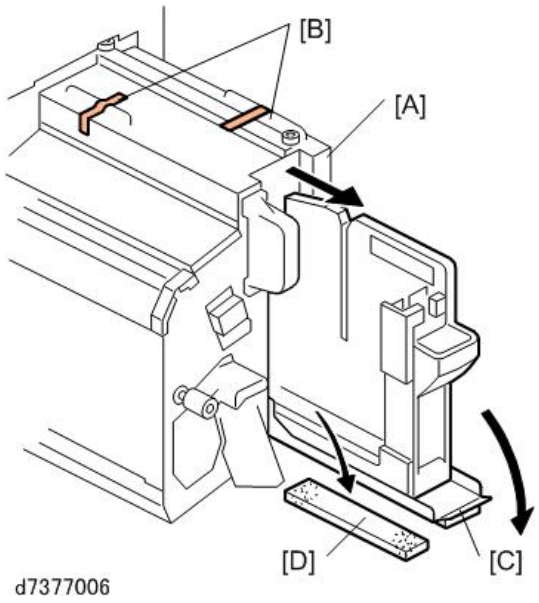
Important

- Do not discard these braces. They must be reattached to the unit before it is moved or shipped to another location.

3. Open the right and left doors.
4. Remove all tapes and packing material.
5. Remove the brace with red tags [A] (x2).



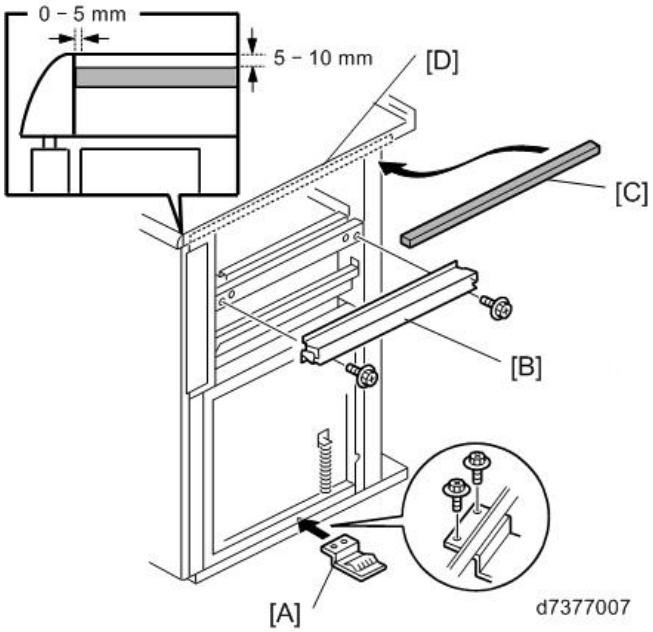
6. Pull the binder unit [A] out of the unit until it stops.
7. Remove the tape [B] on top of the unit.
8. Pull down the ring cartridge handle and cover [C].
9. Pull the ring cartridge out and remove the cushion [D].



10. Push the ring cartridge in and close its cover.
11. Push the binder unit into the unit.
12. Close the left front door and the right front door.

Prepare the Unit for Docking

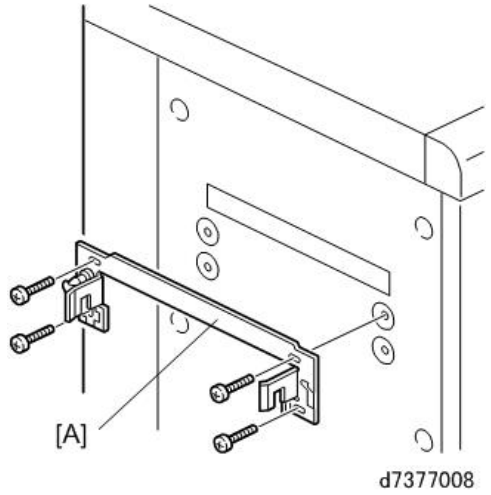
1. Attach the ground plate [A] (x2).
2. Attach the entrance guide plate [B] (x2).
3. Remove the tape from the back of the sponge strip [C].
4. Attach the sponge strip to the top edge [D] of the unit as shown above.



2.Installation

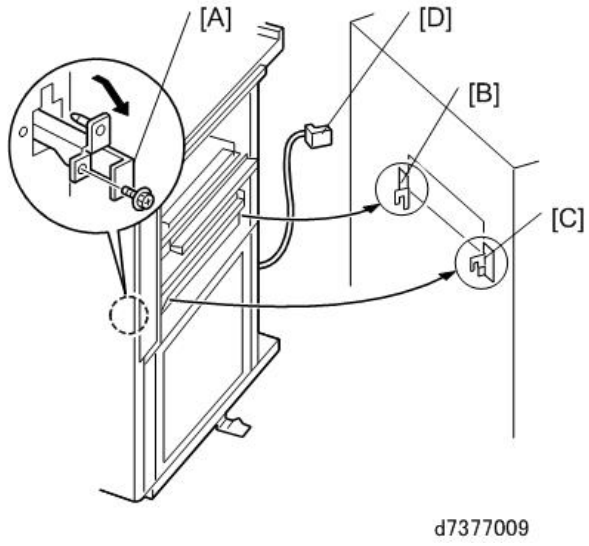
Prepare the Main Machine for Docking

1. Attach the docking bracket [A] (M4x14 x4).



Dock the Unit to the Main Machine

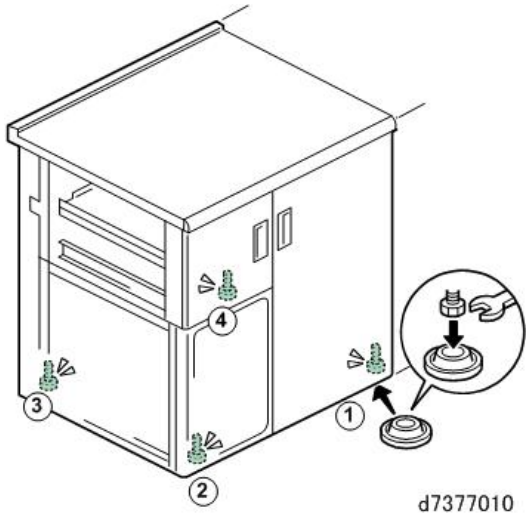
1. Open the right door of the unit.
2. Pull out the locking lever [A] (x1).
3. Align the right side of the unit with the docking brackets [B] and [C] on the left side of the main machine, and then slowly push the unit onto the brackets.
4. Connect the unit's I/F cable [D] to the main machine.



5. Push in the locking lever and check that it slides into the slots of the docking brackets.
6. Check that the top edge of the unit is parallel with the left edge of the main machine.
7. Refasten the locking lever [A] (x1) and close the right front door.

Install the Shoes and Level the Unit

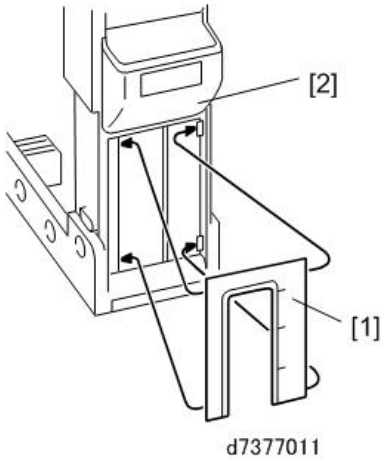
1. Set the four leveling shoes under the feet of the unit.



2. Open the right front door and the left front door.
3. Place a level on the frame.
4. Use a wrench to turn the nut at each foot until the machine is level.

Attach the Ring Supply Level Indicator

1. Open the front door.
2. Pull out the ring binder.
3. Lift the ring supply cartridge out of the top of the binder unit.
4. Set the ring supply level indicator [1] behind the tabs on the side of the ring supply cartridge [2].



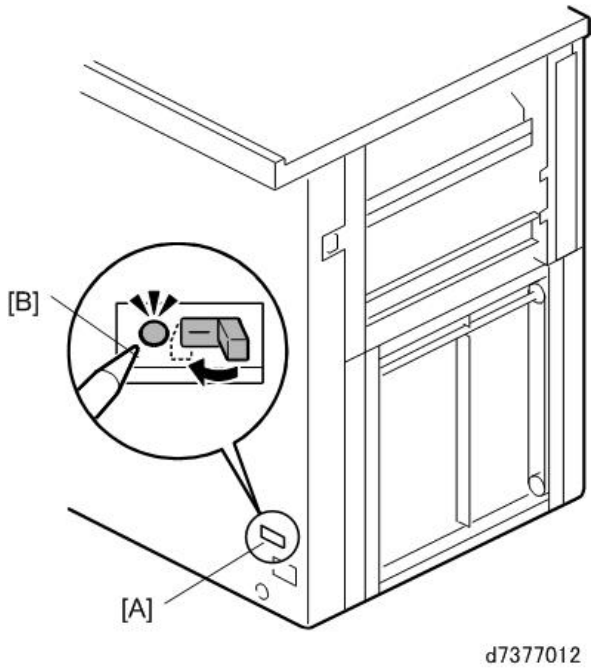
Test the Breaker Switch

1. If the main machine is on, turn it off.
2. Confirm that the breaker switch [A] is set to the right.

Note

- The breaker switch is at the bottom of the left rear corner near the power cord. When it is set to the right, you should see a straight line (-).

3. Connect the power cord to the finisher, then connect the other end to a power supply outlet.
4. Use the sharp point of a pen [B] or similar tool to push in the breaker switch until it snaps to the off position. (You should see "**0**".)



5. If the breaker does not snap to the off position:
   - Check that the power cord is correctly connected to the finisher and power supply.
   - Push the breaker switch again to see if it snaps to the off position.
   - If the breaker switch does not snap to the off position, it must be replaced.
6. Be sure to reset the breaker switch to the on (-) position.

Centering Paper in the Paper Path

At installation, you must confirm that the paper is exiting the ring binder correctly and do the necessary correction if required. There are two checks:

- The paper should be centered in the paper path.
- The paper should feed straight out of the ring binder.

Checking and Correcting Side-to-Side Registration

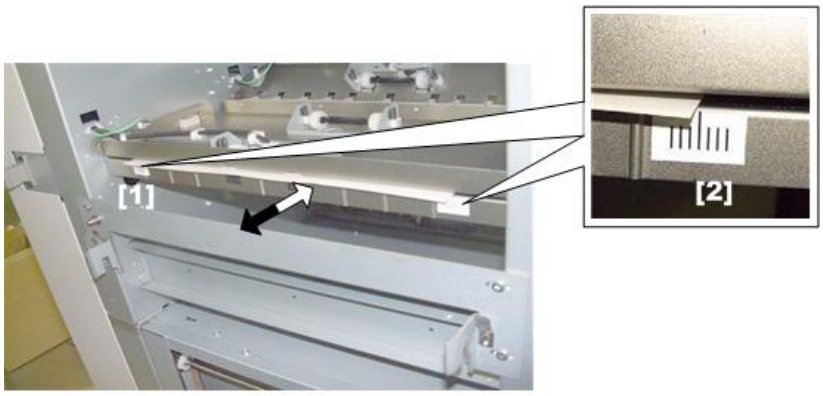
Checking Side-to-Side Registration

Do this check to confirm that the paper is centered in the paper path.

1. Make sure the I/F cable of the ring binder unit is connected.
2. If the finisher is connected to the left side of the ring binder, separate it and pull it away from the left side of the ring binder. **Do not disconnect the finisher.**
3. Enter the SP mode and temporarily disable side-to-side registration control in the main machine (SP 1206-001).
4. Execute a run by feeding paper (A4 or LT) from Tray 2 of the host machine (punching only, no ring binding).
5. During the run, each sheet of paper briefly protrudes about 5 to 10 mm before it switches back into the ring

binder and feeds to the punch unit, as shown above.

- There are two scales on the left side of the ring binder below the paper exit.
- The rear scale [1] is for LT-size paper and the front scale [2] is for A4-size paper. Be sure to read the correct scale for the paper size in use.



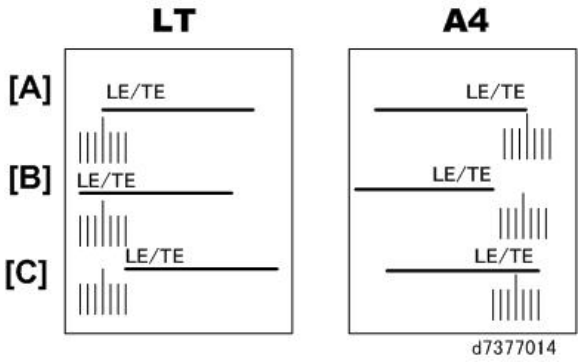
d7377013

6. Check the position of the paper on the scale to determine if the paper is centered.

Important

- Read the rear scale for LT-size paper and the front scale for A4-size paper.
- The scale lines are spaced 2 mm apart.
- The edges of the paper should be at the center line and not deviate more than ±2 mm.

[A]	Leading/trailing edges centered. No adjustment necessary.
[B]	Leading/trailing edges offset to the rear more than 2 mm. Adjustment required.
[C]	Leading/trailing edges offset to the front more than 2 mm. Adjustment required.



d7377014

7. If the edge of the paper is on the scale at the center [A], no adjustment is required.

   -or-

   If the edge of the paper is ±2 mm off the center line on the scale, adjustment is required. Do the procedure in the next section.

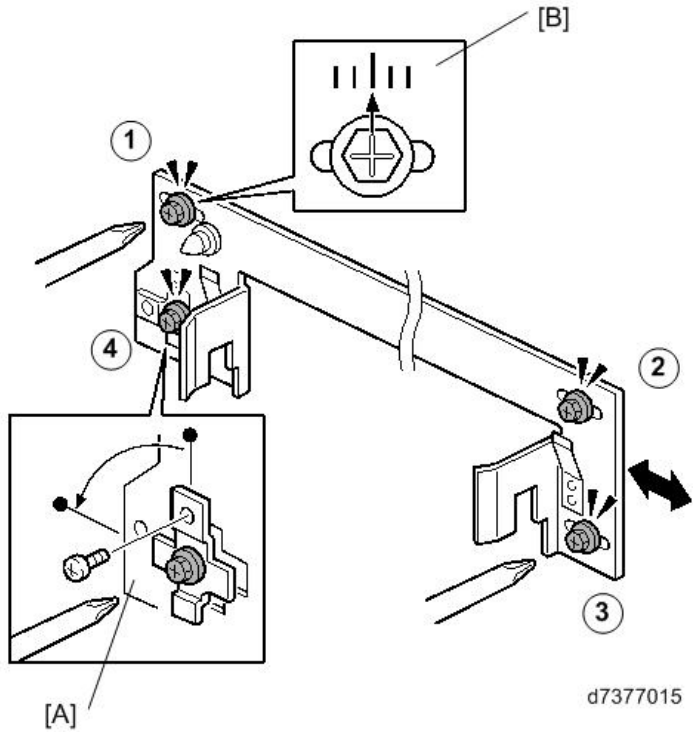
Correcting Side-to-Side Registration: Bracket Adjustment

Important

- Disconnect the ring binder from the upstream unit.

1. On the docking bracket attached to the upstream unit, loosen screws ①, ②, ③, and ④.
2. Remove the bracket [A] (x1), rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the joint bracket so it can slide side-to-side.

3. Look at the scale [B].
4. Slide the bracket to the left or right and tighten the screw.
   If the deviation from center was toward the front, slide the bracket to the rear and tighten the screw (1).
   -or-
   If the deviation from center was toward the rear, side the bracket to the front and tighten screw ①.
5. Tighten screws ②, ③, and ④.



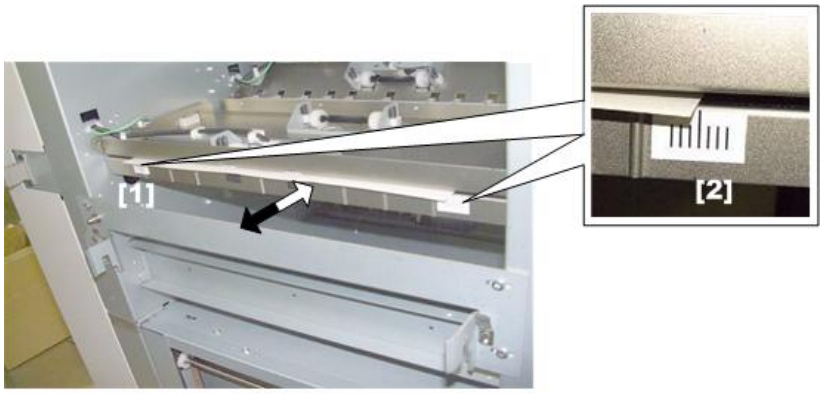
6. Do another test run to check the results of the adjustment.
7. When you are finished checking and correcting side-to-side registration, set SP1206-001 back to its original setting. .

Checking and Correcting Skew

Checking for Paper Skew

Do this check to confirm that the paper is not skewed in the paper path.

1. Make sure that the I/F cable of the ring binder unit is connected.
2. If the finisher is connected to the left side of the ring binder, separate it and pull it away from the left side of the ring binder. **Do not disconnect the finisher.**
3. Execute a straight-through run (no ring binding, no punching) with A3 or DLT from Tray 2 of the host machine.
4. During the run, each sheet of paper exits the side of the ring binder, as shown above.
   - There are two scales on the left side of the ring binder below the paper exit.
   - The rear scale [1] is for DLT-size paper and the front scale [2] is for A3-size paper. Be sure to read the correct scale for the paper size in use.



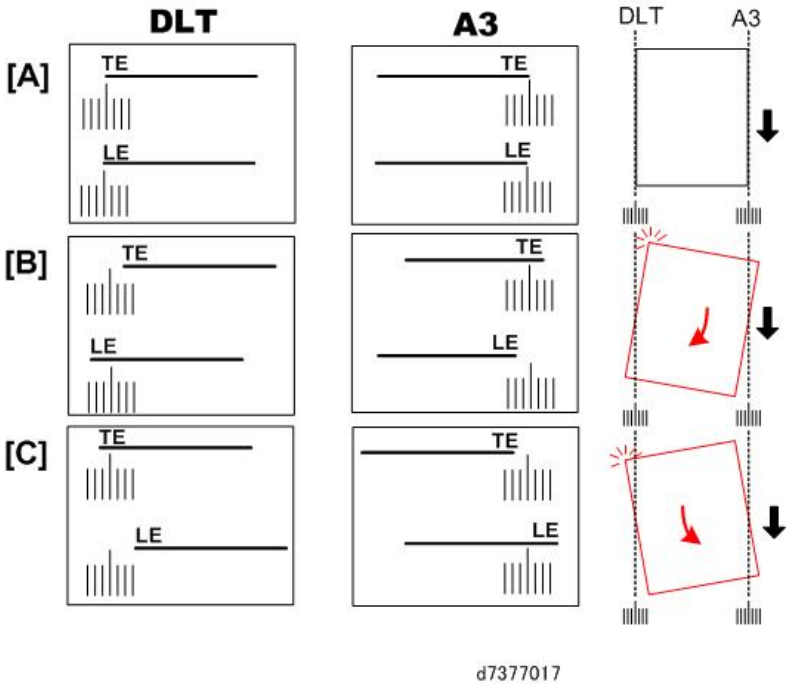
d7377016

5. Check the position of the paper on the scale to determine if the paper skews as it exits.

Important

- Read the rear scale for DLT-size paper and front scale for A3-size paper.
- The scale lines are spaced 2 mm apart.
- The paper must not deviate more than ±2 mm on the scale.

[A]	Centered. No adjustment necessary.
[B]	Trailing edge skew to the front, total skew more than ±2 mm. Adjustment required.
[C]	Trailing edge skew to the rear, total skew more than ±2 mm. Adjustment required.

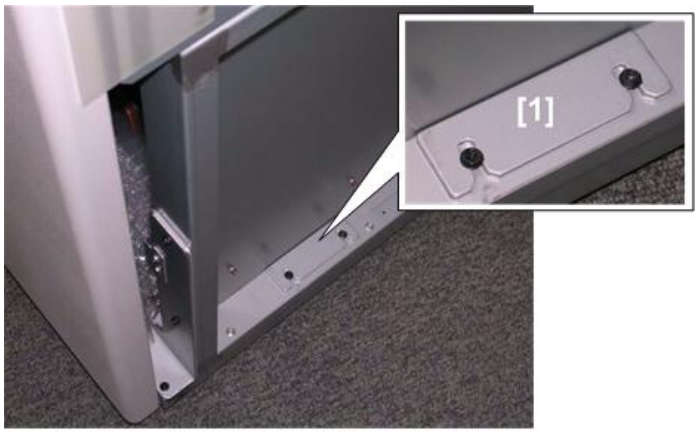


d7377017

Correcting Skew

1. Disconnect the ring binder from the upstream unit.

2. Remove the spacers [1] from the right side of the ring binder at the base (x2).



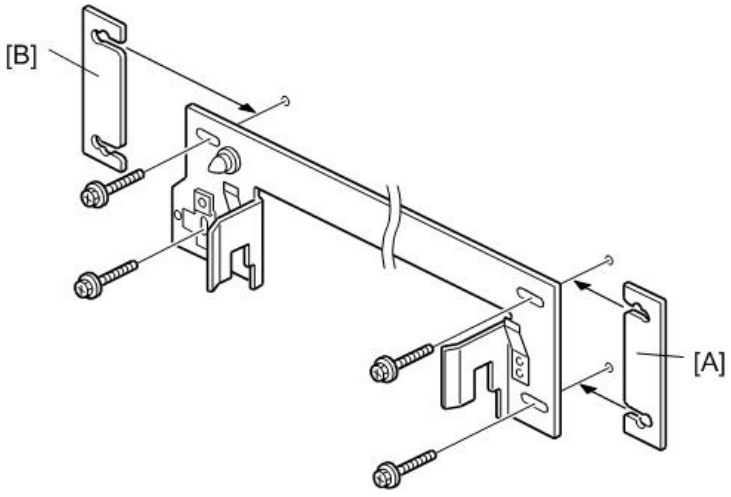
d7377018

3. On the docking bracket attached to the upstream unit, loosen the screws.
4. Insert a spacer and tighten the screws.

   If the trailing edge is skewing toward the **front** of the machine, insert a spacer [B] under the **rear** end of the bracket and tighten the screws.

   -or-

   If the trailing edge is skewing toward the **rear** of the machine, insert a spacer [A] under the **front** end of the bracket and tighten the screws.



d7377019

5. Do another run to check the adjustment. If skew is still present, insert another spacer.

After Installation

Important

Check with your supervisor to determine if the most recent firmware needs to be installed. (Firmware Update for Peripherals)

Confirm that the operators understand the following important points:

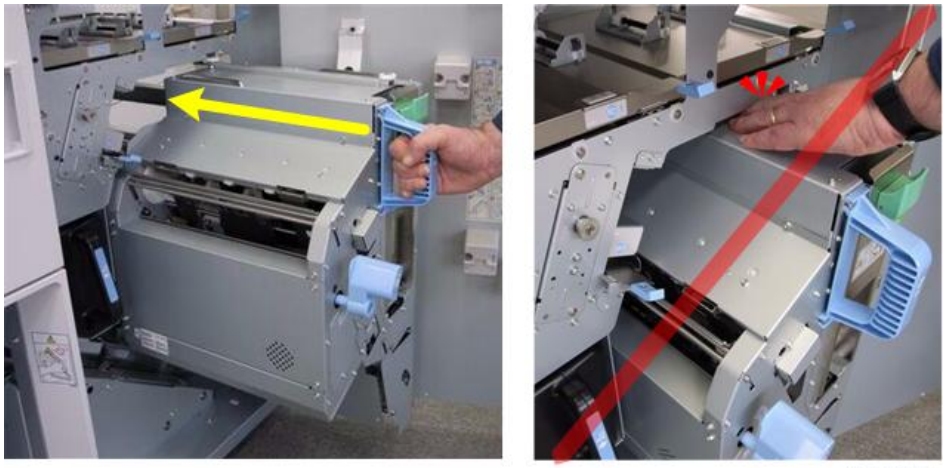
- Decals attached to the machine provide guidance for removing paper jams. Point out the decal locations.
- Detailed instructions on removing ring jams are provided in the operating instructions under "Removing

Jammed Ring Combs".

- When pulling out and pushing in the binder unit on its rails, always grip the binder unit by its handle (**Mc8**).

⚠CAUTION

- Always grip handle **Mc8** when pulling out or pushing in the binder unit.
- Never touch any other surface of the binder unit when it is moving on its rails.
- To avoid injury to the fingers, never push on the top of the binder unit to slide it back into the finisher as shown above.



d7377020

Important

- Never store paper, extra rings, manuals or any other material below the output tray. Obstacles in this area (shown in red in the illustration) will interfere with the raising and lowering of the tray and cause an error.

d7377021

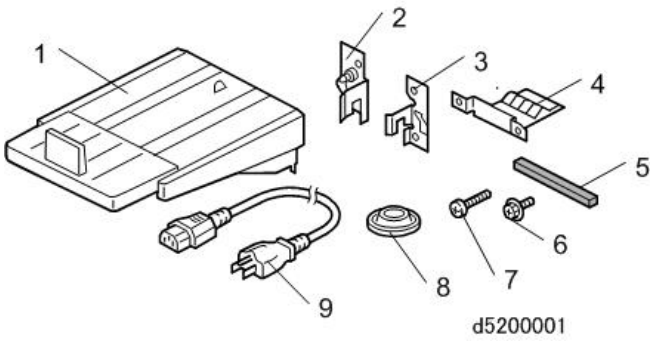
Trimmer Unit TR5040

Accessories

Check the quantity and condition of the accessories in the box against the following illustration and list.

No.	Description	Q'ty
1.	Output Tray*1	1
2.	Joint Bracket – Left (Marked "L")	1
3.	Joint Bracket – Right (Marked "R")	1
4.	Ground Plate	1
5.	Sponges	2
6.	Screws (M3x6 for Ground Plate)	2
7.	Screws (M4x10 for Joint Bracket)	4
8.	Leveling Shoes	4
9.	Power Cord	1

*1: Screws (x2) for the output tray are attached to the left side of the unit.



Installation

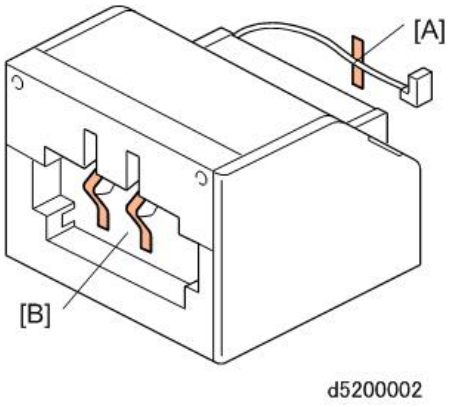
⚠CAUTION

- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Tapes, Stopper Plate

1. Remove the tape on the right side to free the I/F cable [A].

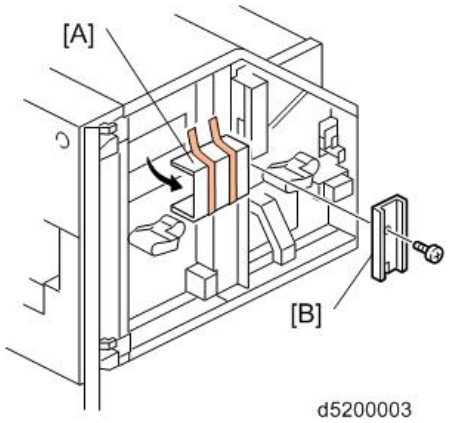
2. Remove the tape from the left side [B].



3. Open the front door and remove the retainer [A].
4. Remove the stopper plate [B] (x1).

Note

- Keep the stopper plate. It should be re-installed before transporting the unit to a new location.

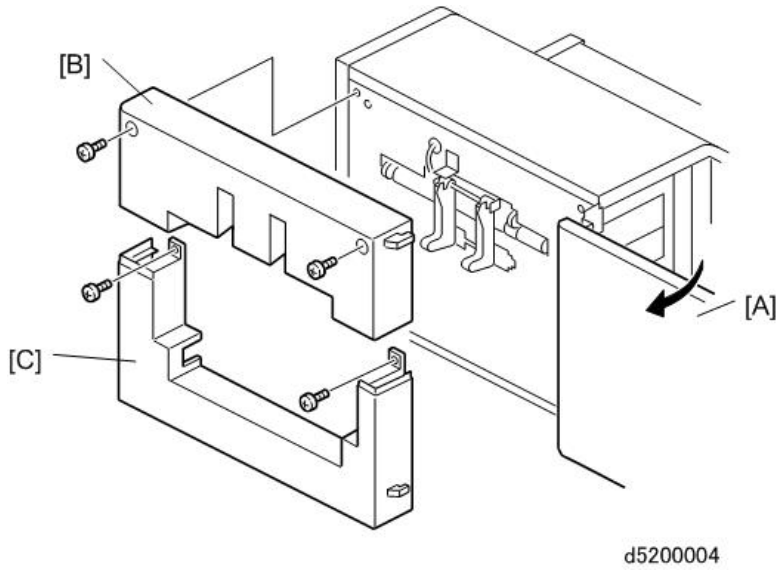


Output Tray

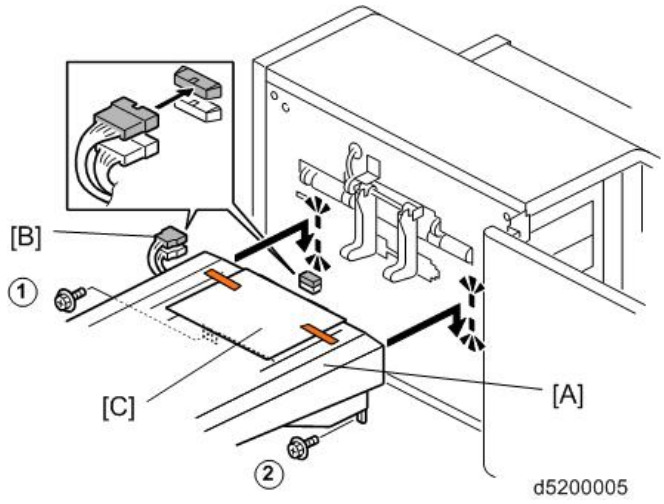
1. Make sure that the front door [A] is open.
2. Remove:

   [B] Left upper cover (x2)

   [C] Left lower cover (x2)



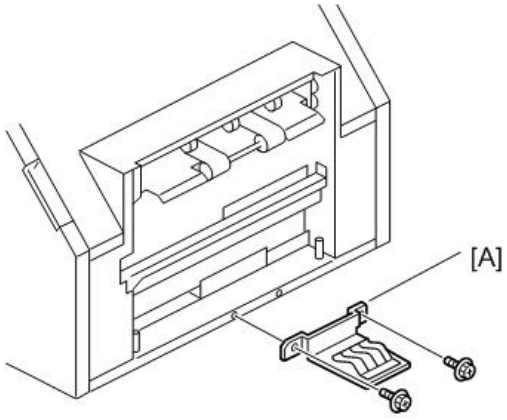
3. Remove the screws ① and ② from the left side.
4. Use the removed screws to attach the output tray [A].
5. Connect the output tray at [B].
6. Remove the sheet [C] of paper. **Do not remove this sheet [C] of paper before connecting the output tray to the trimmer unit**.



7. Reattach the left lower cover and left upper cover.

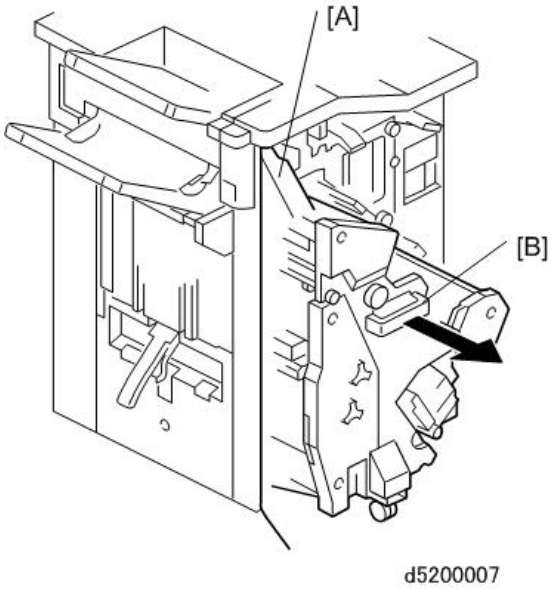
Ground Plate

1. Attach the ground plate [A] to the right bottom edge (x2 M3x6).



Preparing the Booklet Finisher for Docking

1. Open the front door [A] of the finisher.
2. Pull out the staple unit [B].

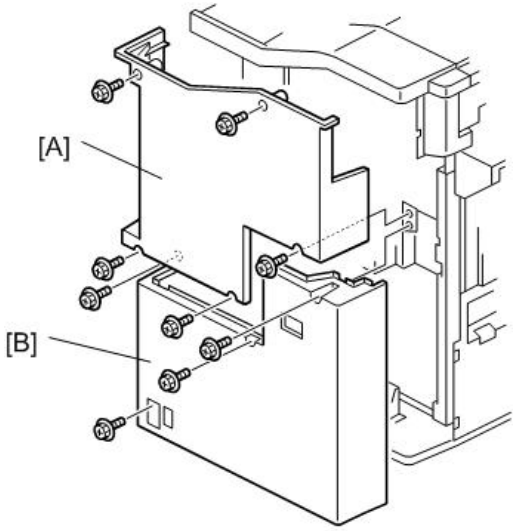


3. At the rear of the finisher, remove:

   [A] Rear upper cover (x5)

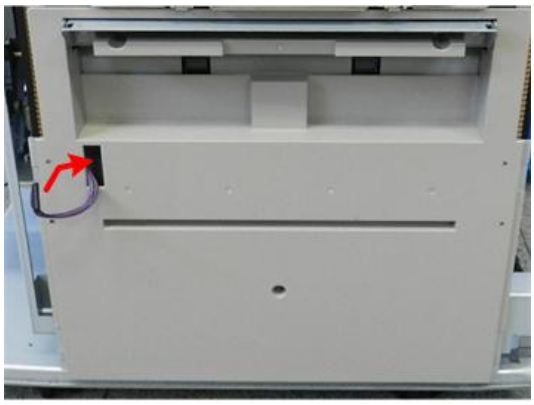
   [B] Rear lower cover (x4)

2.Installation



d5200008

4. Remove the booklet tray from the left side of the finisher. (For details, refer to the Field Service Manual for the Booklet Finisher SR5060.
5. Insert the tray harness into the finisher.

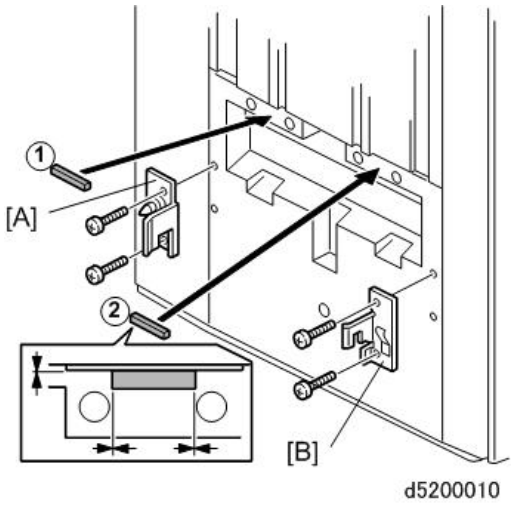


d5200013

Docking

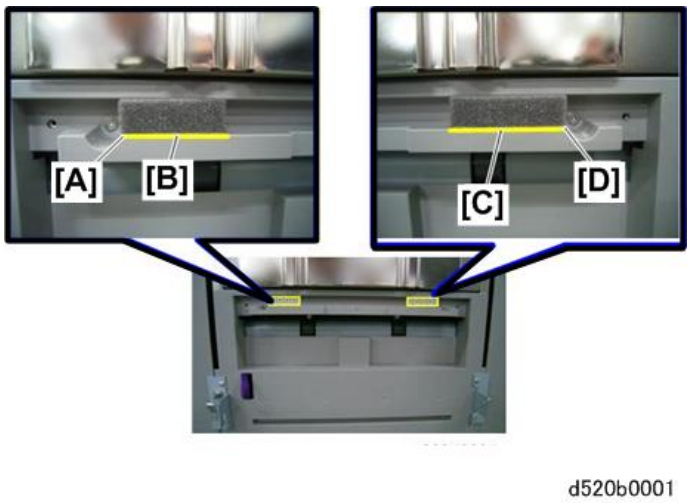
1. Attach:
   [A] Left joint bracket, marked "**L**" (x2, M4x10)
   [B] Right joint bracket, marked "**R**" (x2, M4x10)

2. Peel the tape from the back of the sponges and attach sponges ① and ②.



d5200010

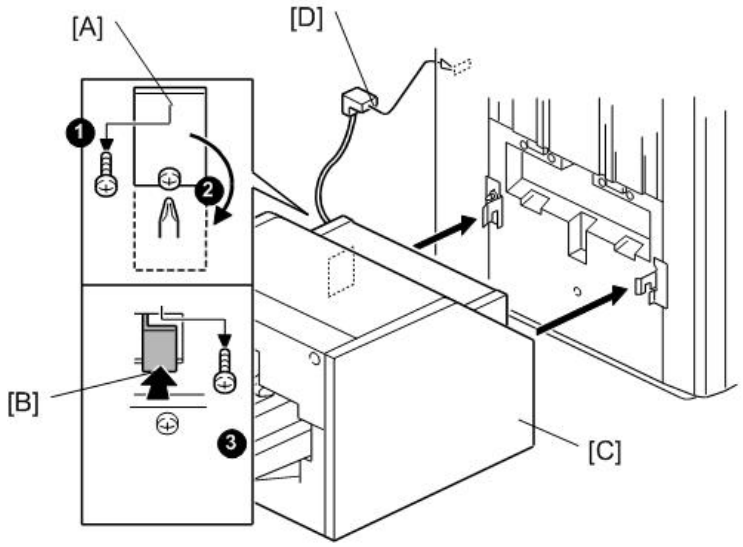
3. Attach the sponge at the rear so that it is aligned at [A] and [B].
4. Attach the sponge at the front so that it is aligned at [C] and [D].



d520b0001

5. At the rear, remove screw ① from plate [A].
6. Loosen screw ② and lower the plate so that you can see the lock bar [B].
7. Remove the lock bar screw ③ (x1 M3x6). **Keep this screw.**
8. Push the lock bar [B] until it is unlocked.
9. Slowly push the unit [C] against the left side of the finisher so that the lock bar is directly and squarely under the arms of the joint brackets.
10. At the rear, pull the lock bar [B] toward you so that it slides up into the notches in the arms of the joint brackets.
11. Fasten the lock bar by re-attaching the screw removed in Step 7. (x1).

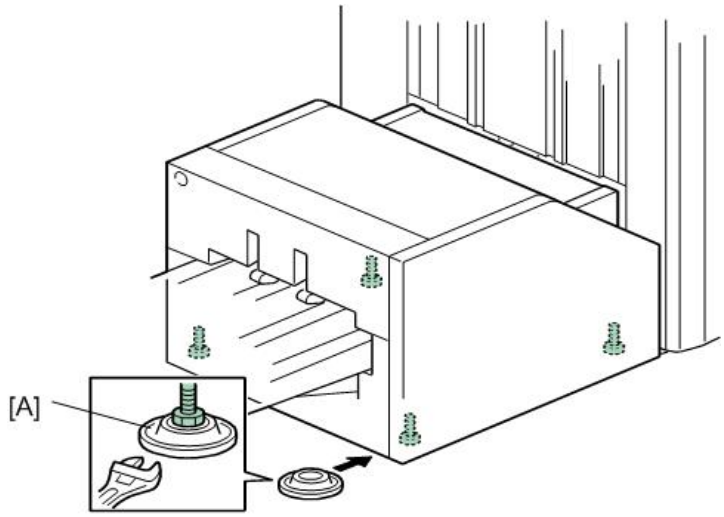
12. Connect the unit I/F cable [D] to the finisher.



d5200011

13. Connect the plug of the power cord to the power source.

1. Set a leveling shoe [A] under each corner of the unit.

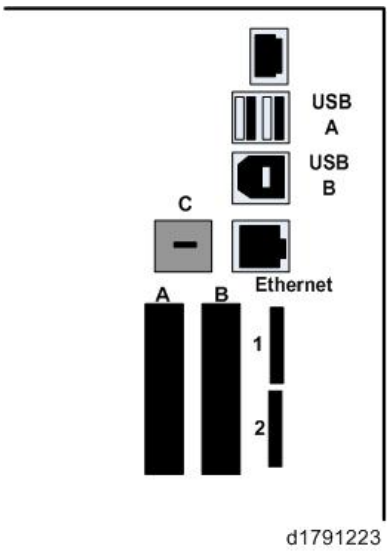


d5200012

2. At each corner, turn the nut to lower the bolt onto each shoe.
3. Use a level to check each side of the unit.
4. Turn each nut to adjust the height of each corner until each side is level.

Controller Options

Overview



Copier Model Options

No	Name	Slot for Installation
1	IEEE 1284 Interface Board Type A	B
2	IEEE 802.11a/g/n Interface Unit Type M2	B
3	Bluetooth Interface Unit Type G	USB A
4	PostScript3 Unit Type S1	2
5	IPDS Unit Type S1	2
6	File Format Converter Type E	B
7	Copy Data Security Type G	IPU
8	OCR Unit Type M2	2
9	Unicode Font Package	2

Important

- The IEEE 1284, IEEE802.11 (Wireless LAN), and File Format Converter (1, 2, and 6 in the table) are exclusive. Only one can be installed.

Printer Model Options

No.	Name	Slot for Installation
1	IEEE 1284 Interface Board Type A	A
2	IEEE 802.11a/g/n Interface Unit Type M2	B
3	Bluetooth Interface Unit Type D	USB A
4	PostScript3 Unit Type S5	2
5	IPDS Unit Type S5	2

As the tables above show, the following options are for the copier model only:

- File Format Converter Type E

- OCR Unit Type M2
- Copy Data Security Type G

When you order this option, please remember that the number designation for the copier and printer are slightly different for some options.

Copier Model	Printer Model
PostScript3 Unit Type **S1**	PostScript3 Unit Type **S5**
IPDS Unit Type **S1**	IPDS Unit Type **S5**

⚠WARNING

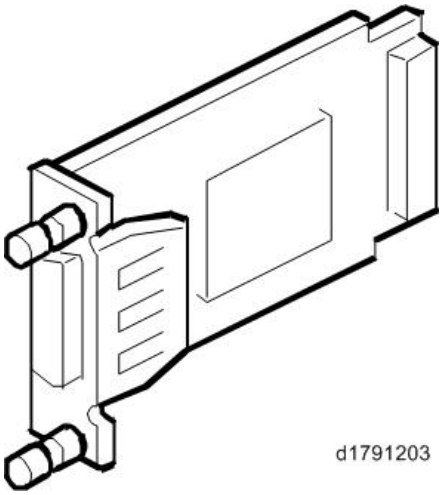
- **Always turn the machine off and unplug the main machine power cord before you do any procedure in this section.**

IEEE 1284 Interface Board Type A

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	PCB	1



Installation

⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

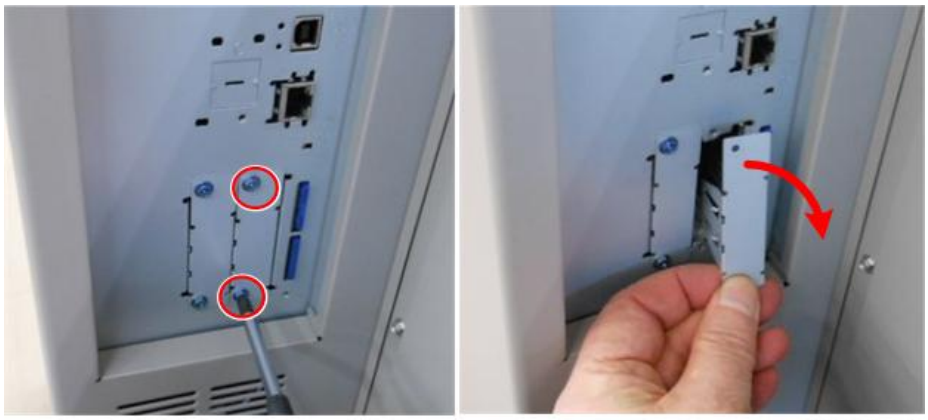
⚠CAUTION

- To prevent damage to the controller box, always work carefully. Never put your hand or a tool into the box when you remove the controller box or install an option.
- To prevent damage to the circuits on the boards, always touch a metal surface to remove static charge from your hands before you handle a board.

1. Remove the slot cover from Slot A for the printer model or Slot B for the copier model. (x 2)

Note

- The illustration below shows Slot B for the copier.



d1791204

2. Insert the IEEE1284 interface board into the slot and fasten it with the screws. (x2)
3. Turn on the main machine.
4. Make sure that the machine recognized the option:

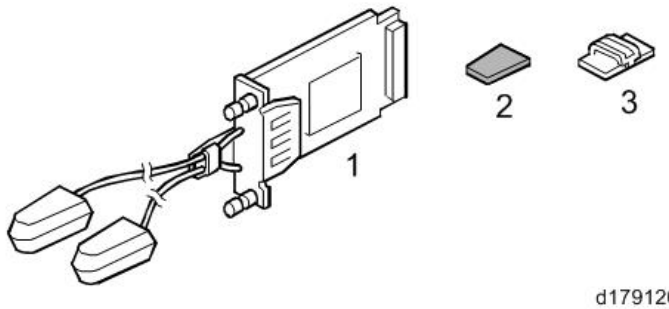
User Tools > Printer Features > List/Test Print > Configuration Page

IEEE 802.11a/g/n Interface Unit Type M2

Accessories

Check the quantity and condition of the accessories in the box against the following list and diagram.

No	Description	Q'ty
1	IEEE802.11a/g/n Unit	1
2	Velcro Fasteners	2
3	Clamps	7



d1791205

Before You Begin

Observe the following points when installing and using this unit:

- Never attempt to disassemble the IEEE802.11a/g/n Unit.
- If you need to replace the unit, replace the entire unit.
- Give the Cautions chart to the customer.

- It is illegal to disassemble or modify this product. If illegal modifications are done to this product, we shall not assume any responsibility.
- Depending where you use this product, or the access point you select, restrictions may be imposed on the use of some usable channels. If wireless LAN communications are not possible, check the environment or access point.

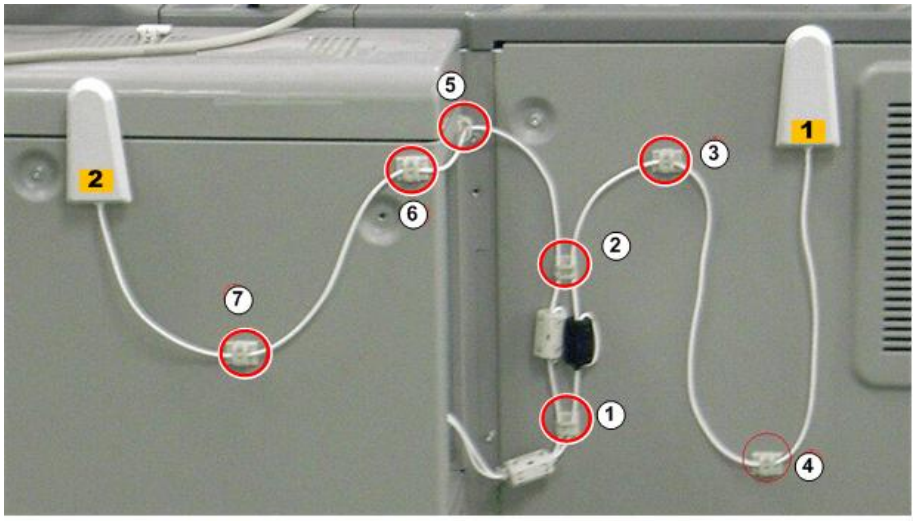
Important

- You cannot use this option if you use Ethernet.

Check the markings on the antenna brackets and the ferrite cores of the antenna cables.

- **ANT1**. Antenna 1 transmits and receives. It must be installed on the rear middle side of the main machine. The ferrite core on the Antenna 1 cable is **black**.
- **ANT2**. Antenna 2 only receives. It is installed on the rear right corner of the machine. The ferrite core on the Antenna 2 cable is **white**.

The illustration shows both antennas installed on the back of the machine with Antenna 1 (black ferrite core) on the rear cover and Antenna 2 (white ferrite core) on the controller box cover.



d1680001

- The PCB is installed in the controller box.
- Both antennas are held in place by easily installed and removed Velcro fasteners. (The antennas and cables will need to be removed before the covers can be removed to service the machine.)
- The seven clamps are fastened by two-sided tapes. The clamps can be easily opened to free the cables and then closed to once again clamp the cables.

Installation

⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

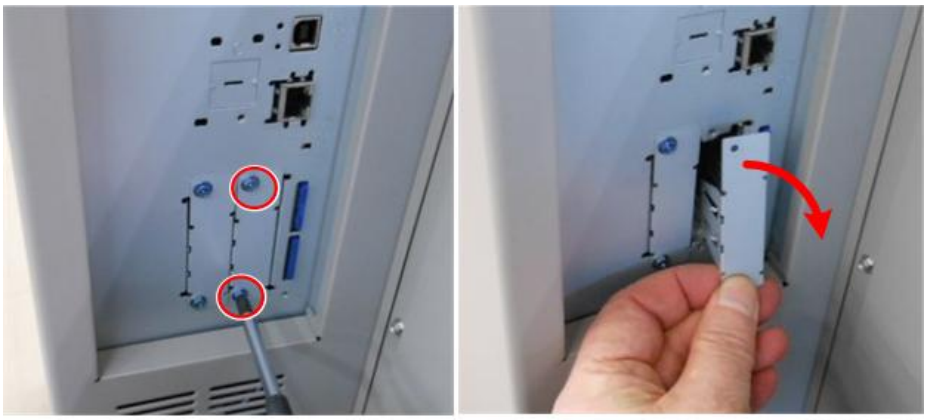
⚠CAUTION

- To prevent damage to the controller box, always work carefully.
- Never put your hand or a tool into the box when you remove the controller box or install an option.

- To prevent damage to the circuits on the boards, always touch a metal surface to discharge static charge from your hands before you handle a board.
- The usable frequency range of this product may be used by products (industrial, scientific, or medical devices) of other companies.
- Outdoor use of wireless devices may be restricted. Pay attention to where you use this product.

1. Find the best location of the machine.
   - Make sure that the machine is not located near an appliance or any type of equipment that generates strong magnetic fields.
   - Put the machine as close as possible to the access point.
2. Make sure there is no board in Slot A.

   Important
   - This option cannot be installed if there is a board in Slot A.
3. Remove the slot cover from the board Slot B. (x 2)

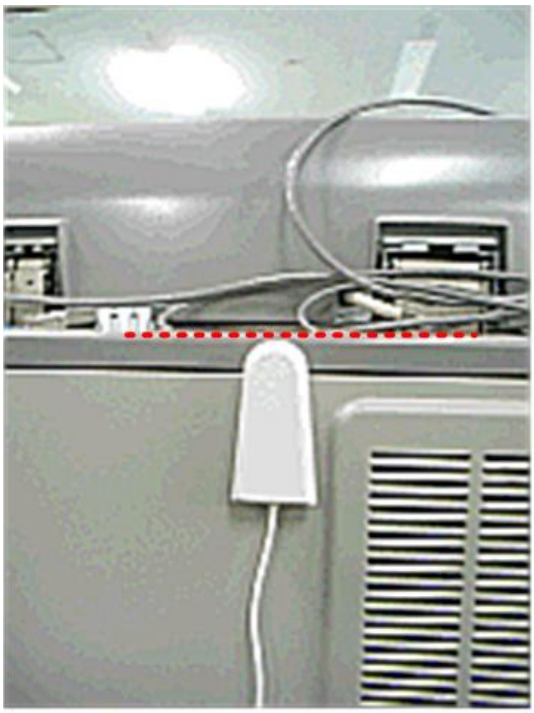


d1791204

4. Insert the wireless LAN board into the slot and fasten it with the screws. (x 2).

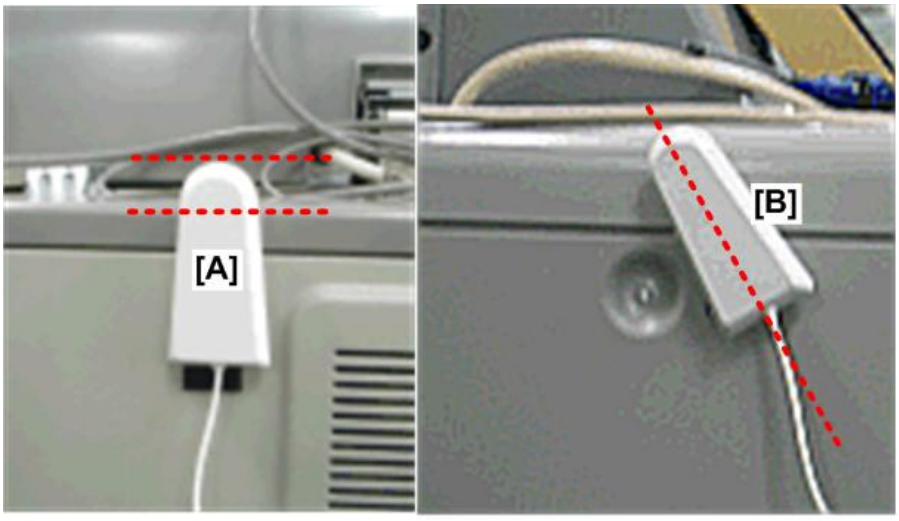
   Important
   - Confirm that the interface board is firmly connected to the controller board.
   - Never pull on either antenna where it is connected when you install the board.
   - The antenna with the black ferrite core is installed close to the air vent on the back of the machine, with

its tip pointing straight up and even with the top plate as shown.



d1680002

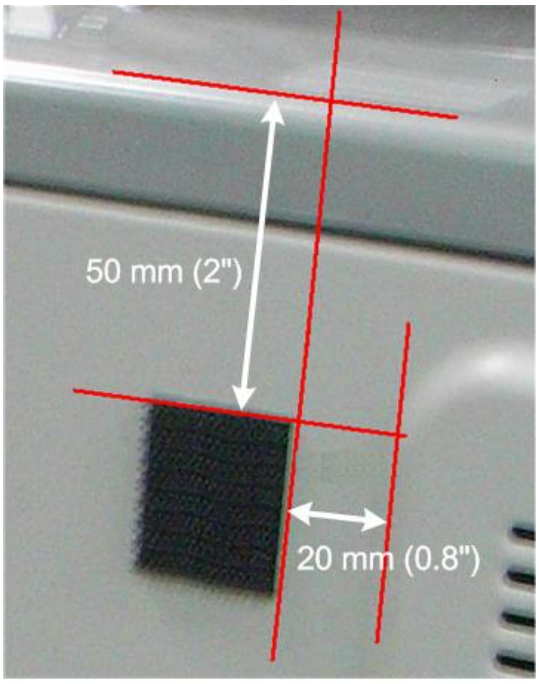
- The antenna must be neither above the rear edge [A] nor slanted [B].



d1680003

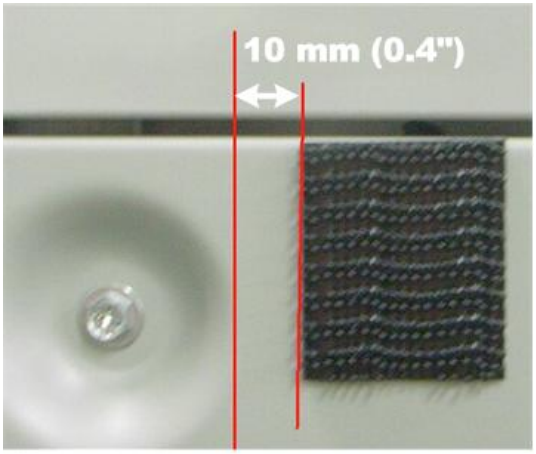
5. Attach one Velcro fastener 20 mm (0.8") to the left of the vent and 50 mm (2") below the top plate.

6. Peel the tape off the back of the antenna with the **black ferrite core**, and then attach it to the Velcro patch.



d1680004

7. Attach another Velcro fastener 10 mm (0.4") to the left of the screw depression near the center of the controller box cover.



d1680005

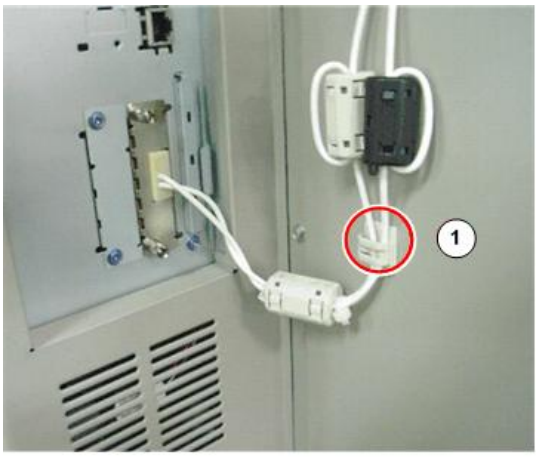
8. Peel the tape off the back of the antenna with the **white ferrite core**, and then attach it to the Velcro patch.

Important

- Like the other antenna, the tip of this antenna should be perfectly vertical and not above the rear edge of the cover.

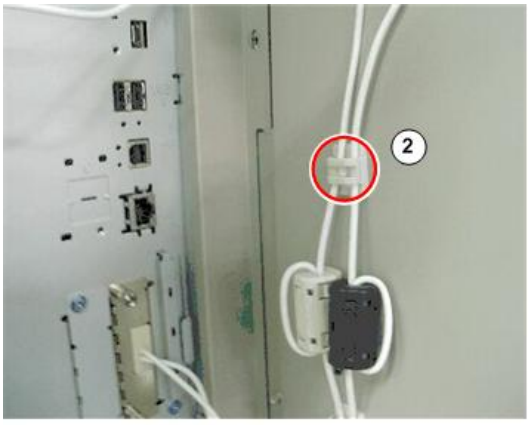
9. About 50 mm (2") away from Slot B, attach clamp ① at the same height where the antenna harnesses are

connected to the board, and then close the clamp on both harnesses (x1)



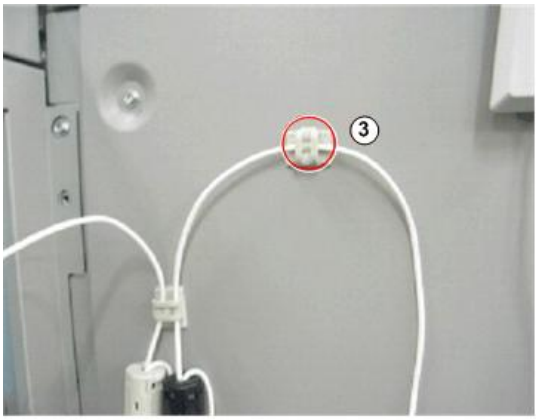
d1680006

10. Set clamp ② directly above the ferrite cores, and then close the clamp on both harnesses (x1).



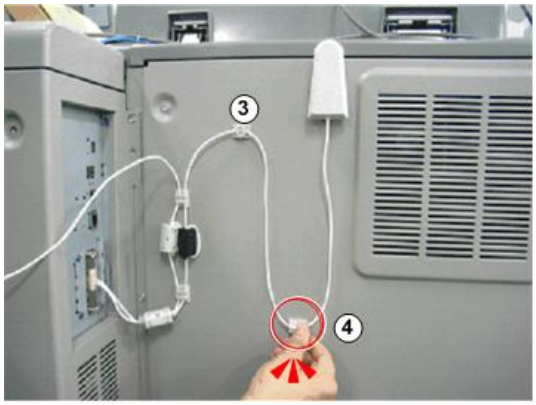
d1680007

11. Attach clamp ③ between the screw depression and the attached antenna with the black ferrite core, and then close the clamp on the harness (x1)



d1680008

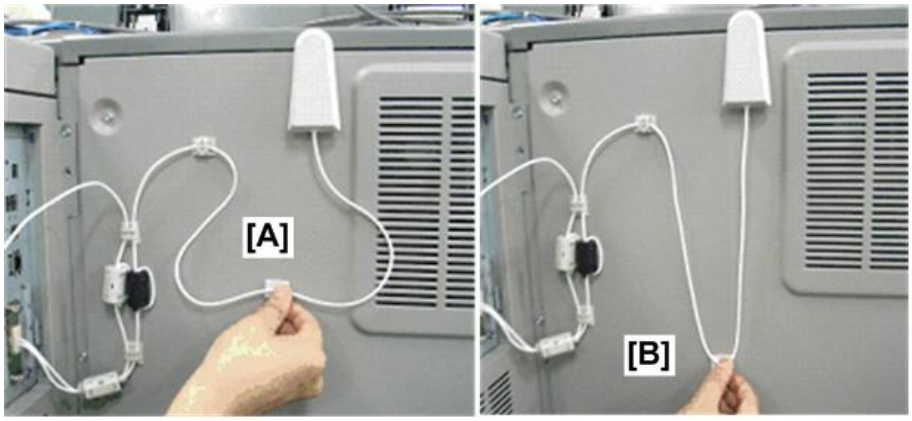
12. Attach clamp ④ down between clamp ③ and the antenna, and then close the clamp on the harness (x1)



d1680009

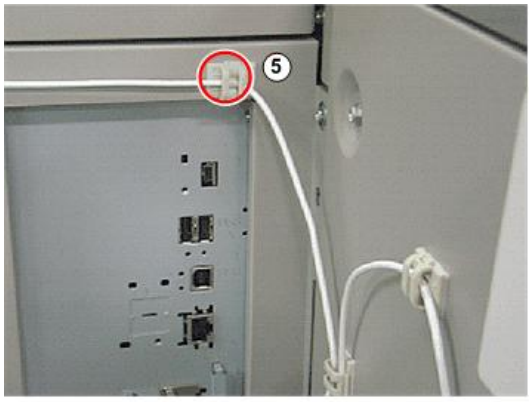
Important

- The harness should be neither too slack [A] nor too tight [B].



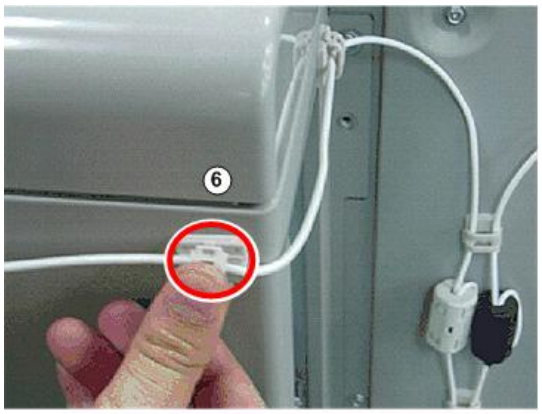
d1680010

13. Attach clamp ⑤ at the inner corner of the plate, and then close the clamp on the harness (x1)



d1680011

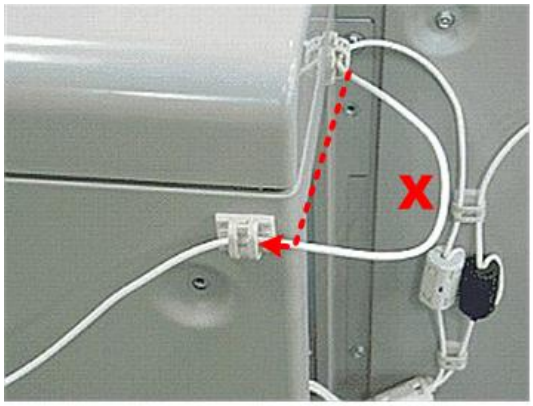
14. Attach clamp ⑥ to the rear side of the controller box corner, and then close the clamp on the harness (x1).



d1680012

Important

- There should be no slack in the cable along the side of the controller box.

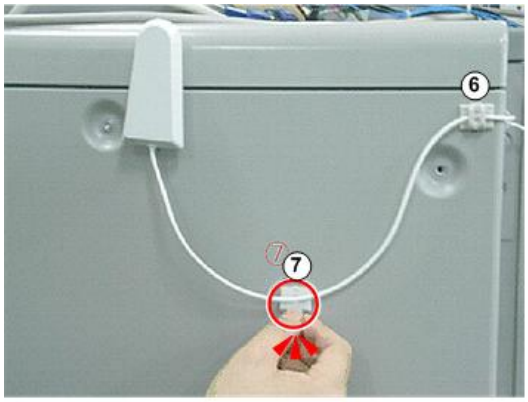


d1680013

15. Finally, attach clamp ⑦ down between clamp ⑥ and the antenna, and then close the clamp on the harness (x1).

Important

- The clamped harness should be neither too slack nor too tight.



d1680014

16. Turn on the main machine.
17. Make sure that the machine can recognize the unit:

User Tools > Printer Features > List/Test Print > Configuration Page

18. If reception is poor, you may need to move the machine.

User Tool Settings

Press [User Tools] and then do the procedure below. These settings take effect every time the machine is turned on.

1. Press the [User Tools\.
2. On the touch panel, touch “System Settings”.
3. Select Interface Settings> Network > LAN Type.
   The “LAN Type” (default: Ethernet) must be set for "Wireless LAN".
4. Select Interface Settings> Wireless LAN.
   Only the wireless LAN options show.
5. Set the “Communication Mode“.
   - Enter the “SSID setting”. (The setting is case sensitive.)
6. Set the “Ad-hoc Channel”.
   You need this setting when Ad Hoc Mode is selected. The allowed range for the channel settings may vary for different countries.
   - Region A (mainly Europe and Asia)
     2412 - 2462 MHz (1 - 11 channels)
     5180 - 5240 MHz (36, 40, 44 and 48 channels)
     (default: 11)
     Note
     - In some countries, the only channels available are: 2412 - 2462 MHz (1 - 11 channels)
   - Region B (mainly North America)
     2412 - 2462 MHz (1 - 11 channels)
     5180 - 5240 MHz (36, 40, 44 and 48 channels)
     (default: 11)
7. Set the “Security Method”.
   This specifies encryption for Wireless LAN.
   - The “WEP” (Wired Equivalent Privacy) setting is designed to protect wireless data transmission.
   - The same WEP key is required on the receiving side in order to unlock encoded data. There are 64 bit and 128 bit WEP keys.
     Range of Allowed Settings:
     64 bit: 10 characters
     128 bit: 26 characters
     - Specify “WPA2” when “Communication Mode” is set to “Infrastructure Mode”. Set the “WPA2 Authent. Method”.
     - WPA2 Authent. Method:
       Select either “WPA2-PSK” or “WPA2”.

If you select “WPA2-PSK”, enter the pre-shared key (PSK) of 8-63 characters in ASCII code.

When “WPA2” is selected, authentication settings and certificate installation settings are required.

8. Press “Wireless LAN Signal” to check the machine's radio wave status using the operation panel.
9. Press “Restore Factory Defaults” to initialize the wireless LAN settings.

SP Mode, User Tool Settings

The following SP codes can be set for IEEE 802.11

SP	Name	Function
5840-006	Channel MAX	Sets the maximum range of the channel settings for the country.
5840-007	Channel MIN	Sets the minimum range of the channels settings allowed for your country.
5840-008	Transmission Speed	Sets the transmission speed. Auto, 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps, 11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps (default: Auto).
5840-011	WEP Key Select	Used to select the WEP key (Default: 00).

The following settings can be done in User Tools

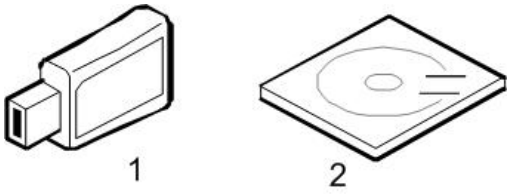
UP mode	Name	Function
	SSID	Used to confirm the current SSID setting.
	WEP Key	Used to confirm the current WEP key setting.
	WEP Mode	Used to show the maximum length of the string that can be used for the WEP Key entry.
	WPA2 Authent. Method	Used to confirm the current WPA authentication setting and preshared key.

Bluetooth Interface Unit Type D

Accessories

Check the quantity and condition of the accessories in the box against the following list and diagram.

No	Description	Q'ty
1	Bluetooth Module	1
2	CD-ROM	1



d1791210

Installation

⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

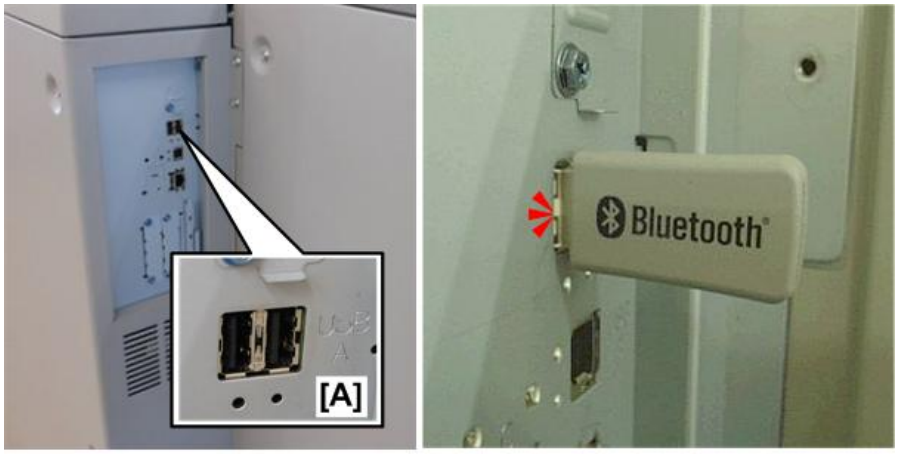
⚠WARNING

- Turn off the power of the main unit when connecting the Bluetooth unit. Do not attach or remove the Bluetooth unit while the power of the main unit is turned on.

⚠CAUTION

- To prevent damage to the controller box, always work carefully.
- Never put your hand or a tool into the box when you remove the controller box or install an option.
- To prevent damage to the circuits on the boards, always touch a metal surface to discharge static charge from your hands before you handle a board.

1. Insert the Bluetooth unit into either USB Host Interface socket [A].



d1791211

2. Make sure that the machine recognizes the option:
   [User Tools] > Printer Features > List/Test Print > Configuration Page

PostScript3 Unit

Important

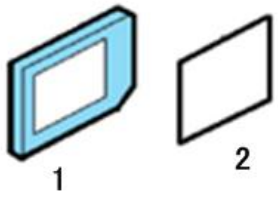
- PostScript3 Unit Type S7 is for the copier model, and PostScript3 Type S8 is for the printer model.

2.Installation

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	PostScript3 Emulation SD Card	1
2	Decal	1



d1791212

Installation

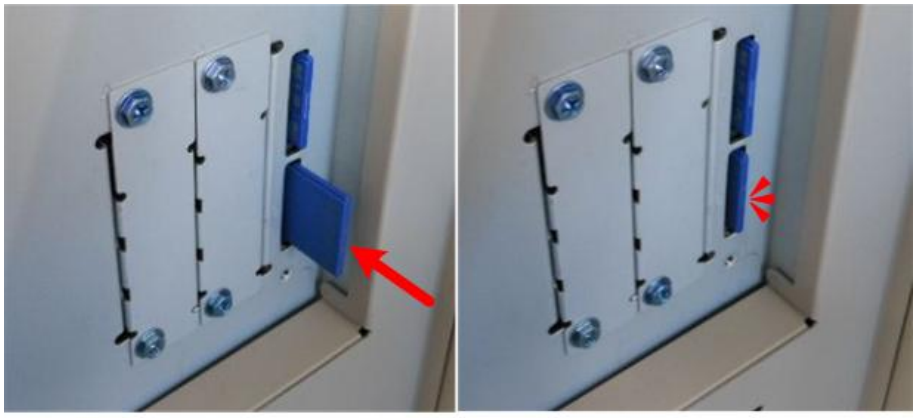
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD card slot cover. (x 1).

d1791200

2. Slowly, insert the SD card (PostScript3 Unit) in Slot 2 (lower) with its label face towards the front of the machine.



d1791213

3. Perform the SD Card Appli Move. (See "SD Card Appli Move" at the end of this section.)

4. After the application move is finished, remove the SD card from Slot 2.
5. Turn on the machine (x 1)
   Make sure that the machine can recognize the option:
   [User Tools] > Printer Features > List/Test Print > Configuration Page
6. Attach the PostScript3 decal to the left side of the PDF decal on the right door.

IPDS Unit

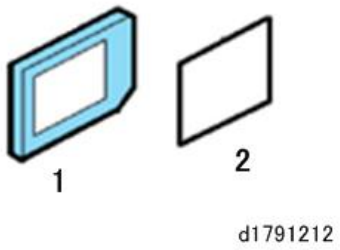
Check the quantity and condition of the accessories in the box against the following list and diagram.

Note

IPDS Unit Type S7 is for the copier model, and IPDS Unit Type S8 is for the printer model.

Accessories

No	Description	Q'ty
1	IPDS Emulation SD Card	1
2	Decal	1

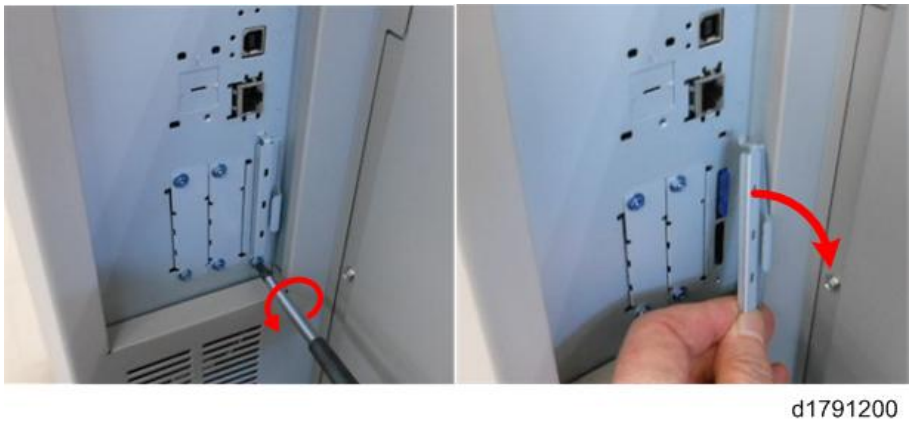


Installation

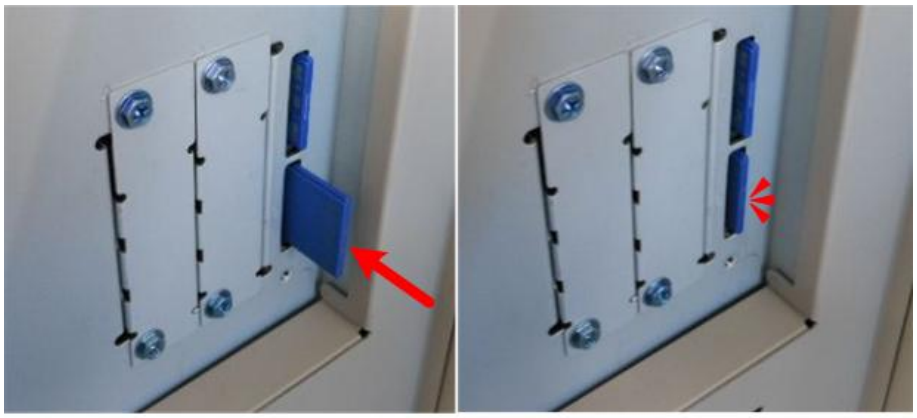
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD card slot cover. (x 1)



2. Slowly, insert the IPDS SD card in Slot 2 with its label face towards the front of the machine.



d1791213

3. Perform the SD Card Appli Move. (See “SD Card Appli Move” at the end of this section.)
4. After the application move is finished, remove the SD card from Slot 2.
5. Turn on the machine (x 1)
6. Make sure that the machine recognizes the option:
   [User Tools] > Printer Features > List/Test Print > Configuration Page
7. Attach the decal to the left side of the Adobe PDF decal on the right door.

File Format Converter Type E

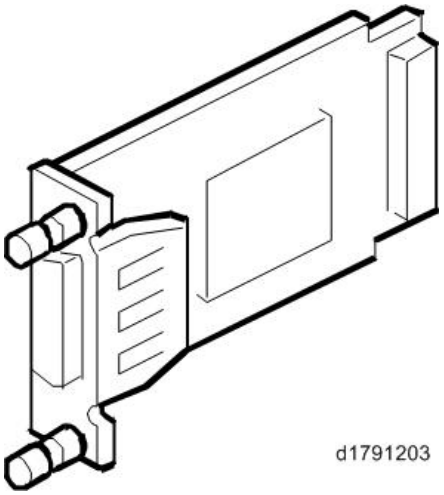
Important

- This option is for the copier model only.

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No	Description	Q'ty
1	PCB Unit	1



d1791203

Installation

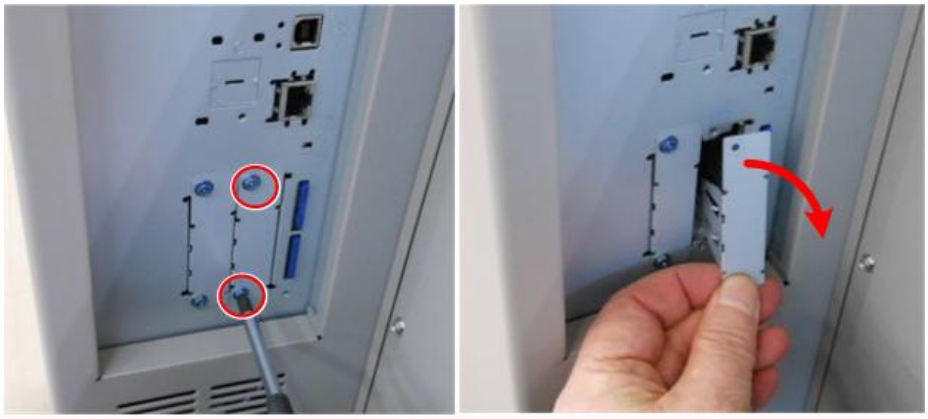
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

⚠CAUTION

- To prevent damage to the controller box, always work carefully.
- Never put your hand or a tool into the box when you remove the controller box or install an option.
- To prevent damage to the circuits on the boards, always touch a metal surface to discharge static charge from your hands before you handle a board.

1. Remove the cover from Slot B. (x 2)



d1791204

2. Insert the file format converter into Slot B and fasten it with the screws. (x 2)
3. Turn on the main machine.
4. Make sure that the machine can recognize the option:
   User Tools > Printer Features > List/Test Print > Configuration Page

Copy Data Security Unit Type G

Important

- This option is for the copier model only.

Accessories

Check the quantity and condition of the accessories in the box against the following list and diagram.

No.	Description	Q'ty
1	Copy Data Security Board	1
2	Screws M3x8	2

Note

- Some components in this kit are not used for this machine.

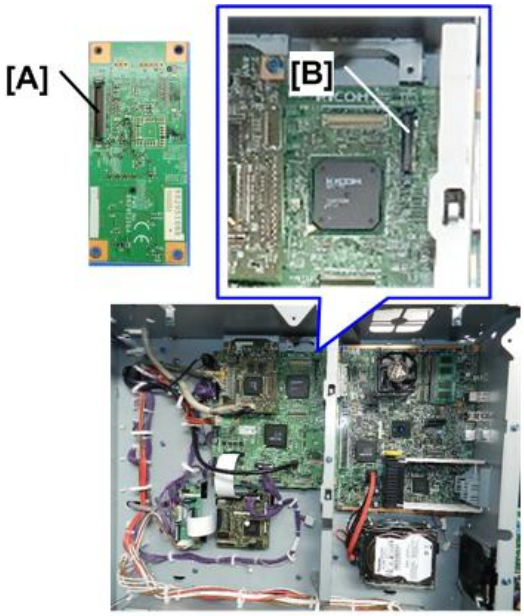
d1791214

Installation

⚠WARNING

- Unplug the main machine power cord before you do the following procedure

1. Remove the controller box cover and the inner cover (Removing the Controller Box Cover, Inner Cover)
2. Connect the connector [A] on the back of the copy data security unit board to socket [B] on the IPU board.



d1791215

3. Fasten the board [A] to the IPU board bracket (x 2).

d1791216

4. Reassemble the machine.

User Tool Setting

1. Plug in and turn on the main power switch.
2. Press [User Tools] and then select:
   System Settings > Administrator Tools > Copy Data Security Option > On
3. Exit User Tools.
4. Check the operation.
   - The machine will issue SC165-00 if the machine is powered on with the Copy Data Security Unit Board removed and the "Data Security for Copying" feature set to "ON".
   - The machine will issue SC165-00 if the machine is powered on with a defective Copy Data Security Unit Board and the "Data Security for Copying" feature set to "OFF".
   - If you remove this option from the machine, first set the setting to "OFF" with the User Tools before removing this board. If you forget to do this, the "Data Security for Copying" feature cannot appear in the User Tool settings, and SC165-00 will appear every time the machine is switched on. The machine cannot be used.
   - Make sure that the machine can recognize the option. (see "Check All Connections" in the next section below.)

Check All Connections

Make sure that the machine recognizes the option.

1. Plug in the power cord.
2. Turn on the main switch.
3. Print the configuration page:

User Tools > Printer Features > List Test Print > Configuration Page

4. All installed and recognized options are listed under "System Reference".

OCR Unit Type M2

Important

- This option is for the copier model only.

What is Searchable PDF?

- Searchable PDF embeds the text information in the scanned document without processing the data on a computer.
- If this option is installed:
  1. You can search the text in the scanned document.
  2. You can add extra text to the file name.
  3. The orientation of the originals is detected, and the document is automatically rotated.
- The OCR unit is provided on an SD card. By installing the SD card on the main machine, a function key is added to the operation panel. The OCR application does not need to be installed on the computer.
- After OCR installation, you can specify the settings of the searchable PDF function.
- The machine embeds the text information of the scanned document after scanning the originals (after the originals are ejected from the ADF). Therefore, you can remove the originals from the exposure glass or ADF.
- You can use other applications such as copy and printer while the machine embeds the text information of the scanned document.

Accessories

Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1.	SD Card	1

d1791230

Installation

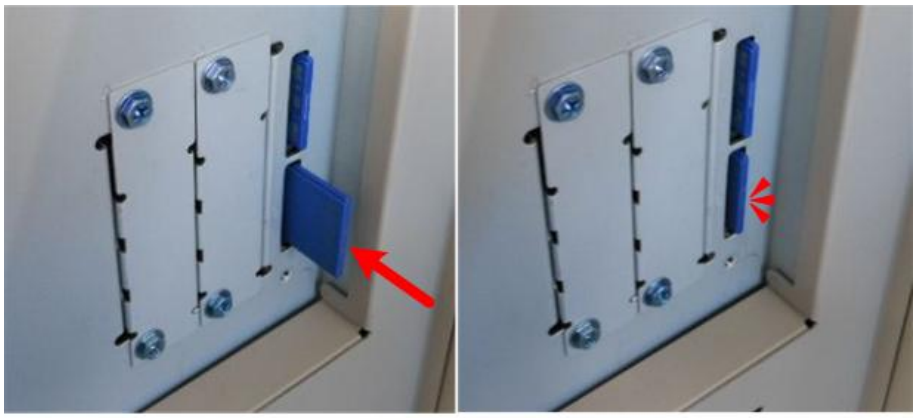
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD card slot cover. (x 1)

d1791200

2. Insert the OCR SD card in Slot 2 with its label facing the front of the machine.

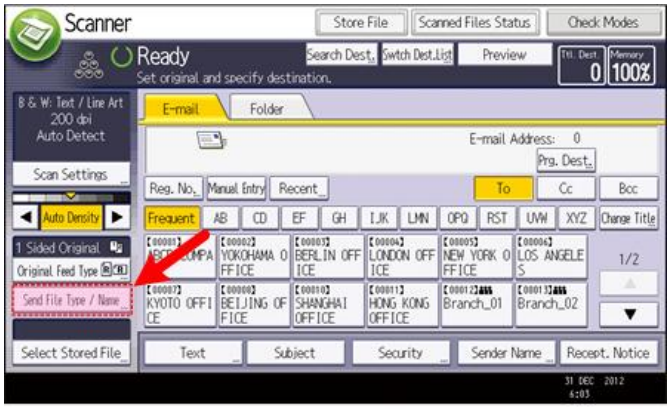


d1791213

3. Turn on the machine.
4. Go into the SP mode and do **SP5-878-004**.
   - This records the content of the SD card in NVRAM
   - The machine ID of the main machine is recorded on the SD card.
5. When the display tells you that the execution is completed, touch [Exit].
   - If the machine returns the “Failed” alert, check the SD card to determine if it has already been used.
   - Turn off the machine and then steps 1 to 5 again.
6. Cycle the machine off/on.
7. Go in the SP mode and do **SP5-878-004** (Option Setup: OCR) and then press [EXECUTE]. The OCR dictionary is copied to the HDD from the SD card.
   - In the first execution, the SD card and the machine are linked.
   - In the second execution, the OCR dictionary is copied onto the HDD.
8. Turn off the machine, and then remove the SD card.

   Important
   - Store the SD card in a safe location.
   - You will need the original SD card in case the HDD unit ever fails.
9. Turn on the main power switch.

10. On the “Scanner” screen, touch [Send File Type / Name].



d1791220

11. Check to see if [OCR Settings] is displayed on the [Send File Type / Name] screen.

d1791221

- The searchable PDF function can be switched on/off on the [OCR Settings] screen after installing the OCR unit.
- If you want to use the searchable PDF function, select [On] for [OCR Settings]. (Default: [Off])

Restoration

After installing the OCR Unit:

- The searchable PDF function is saved on the HDD and the SD card ID is saved in NVRAM.
- After replacing either the HDD unit or the NVRAM, OCR Unit Type M2 must be installed again.

When the Original SD Card Exists

- **If you replace the HDD**.
  Re-install the OCR Unit Type M2 from the original SD card.
- **If you replace the NVRAM**.
  If you upload / download the NVRAM data, re-install the OCR Unit Type M2 from the original SD card. If you don’t upload / download the NVRAM data, order a new SD card (service part) of the OCR Unit Type M2. Then re-install the OCR Unit Type M2 from the new SD card.
- **When you replace the HDD and NVRAM at the same time**.
  Re-install the OCR Unit Type M2 from the original SD card.

If Original SD Card is Lost

- Order a new SD card (service part) of the OCR Unit Type M2, and then re-install from the new SD card.
- When you re-install the OCR Unit Type M2, do the same procedure as the original installation procedure.

SD Card Appli Move

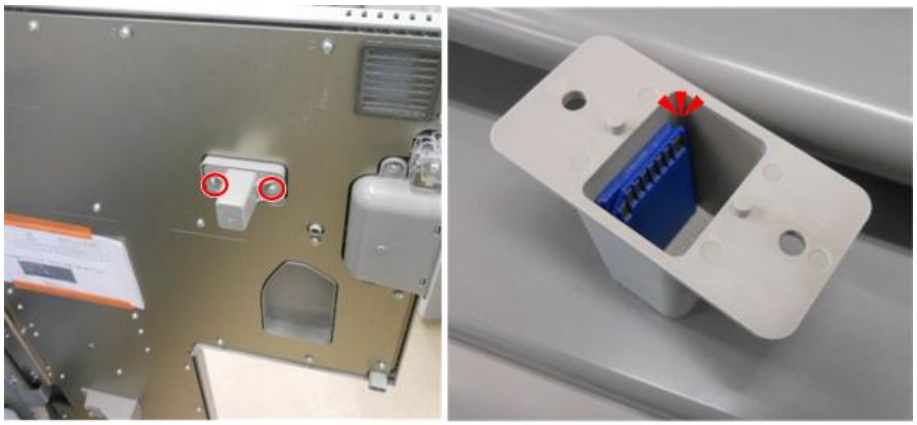
Overview

The service program "SD Card Appli Move" (**SP5-873**) lets you move application programs from one SD card to another.

Always observer the following important points:

- The data necessary for authentication is transferred with the application program from an SD card to another SD card.
- Authentication fails if you try to use the SD card after you move the application program from one card to another card.
- Never use SD card if it has been used before for other purposes. Normal operation is not guaranteed when such an SD card is used.
- The OCR Unit Type 2 option cannot be moved to another SD card. However, you can move other options onto the OCR SD card.

1. Open the right front door, and remove the post (x2).
2. Store the original SD cards here after you move the application program from one card to another card.



d1791224

- The original SD cards are the only proof that the client is licensed to use the application program.
- You may need to check the SD card and its data to solve a problem in the future.

Important

- Do not move OCR Unit Type M2 (optional) to another SD card.

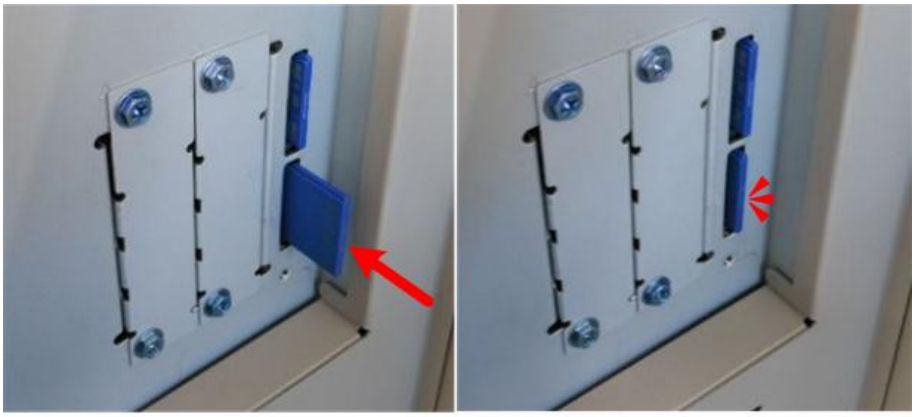
Move Exec

The menu "Move Exec" (**SP5-873-001**) lets you move application programs from the original SD card to another SD card.

Important

- Do not set the write protect switch of the system SD card or application SD card on the machine.
- If the write protect switch is on, a download error, Error Code 44, for example will occur during a firmware upgrade or application merge.

1. Turn the main switch off.
2. Make sure that a **target** SD card is in **Slot 1**. The application program is moved to this SD card.
3. Insert the source SD card with the application program in **Slot 2**.The application program is copied from this **source** SD card.



d1791213

4. Turn the machine on.
5. Go into the SP mode.
6. Select **SP5-873-001** "Move Exec".
7. Follow the messages shown on the operation panel to complete the operation.
8. Turn the machine on.
9. Remove the source SD card from SD Card Slot 2.
10. Turn the machine off.
11. Check that the application programs run normally.

Undo Exec

"Undo Exec" (**SP5-873-002**) lets you move back application programs from an SD card in SD Card Slot 1 to the original SD card in Slot 2 . You can use this program when, for example, you have mistakenly copied some programs by using Move Exec (**SP5-873-001**).

Important

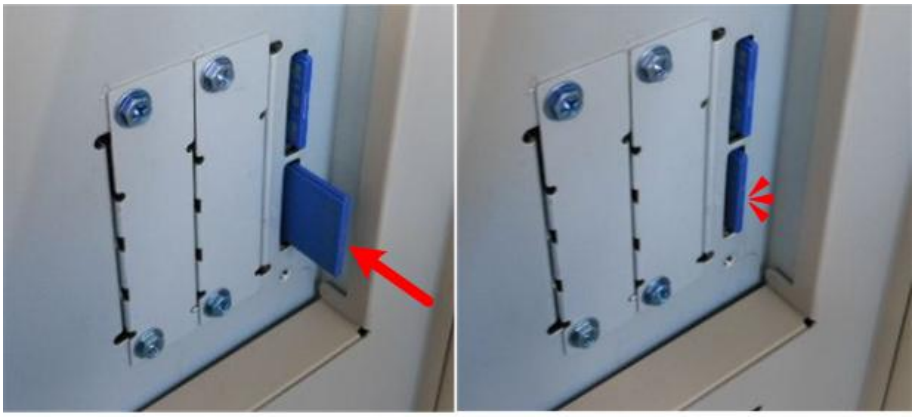
- Do not set the write protect switch on the system SD card or application SD card on the machine.
- If the write protect switch is on, a download error, Error Code 44, for example will occur during a firmware upgrade or application merge.

1. Turn the machine off.
2. Insert the SD card with the application program in Slot 1.The application program is moved from this SD

card.

d1791226

3. Insert the original SD card in Slot 2. The application program is moved back to this card.



d1791213

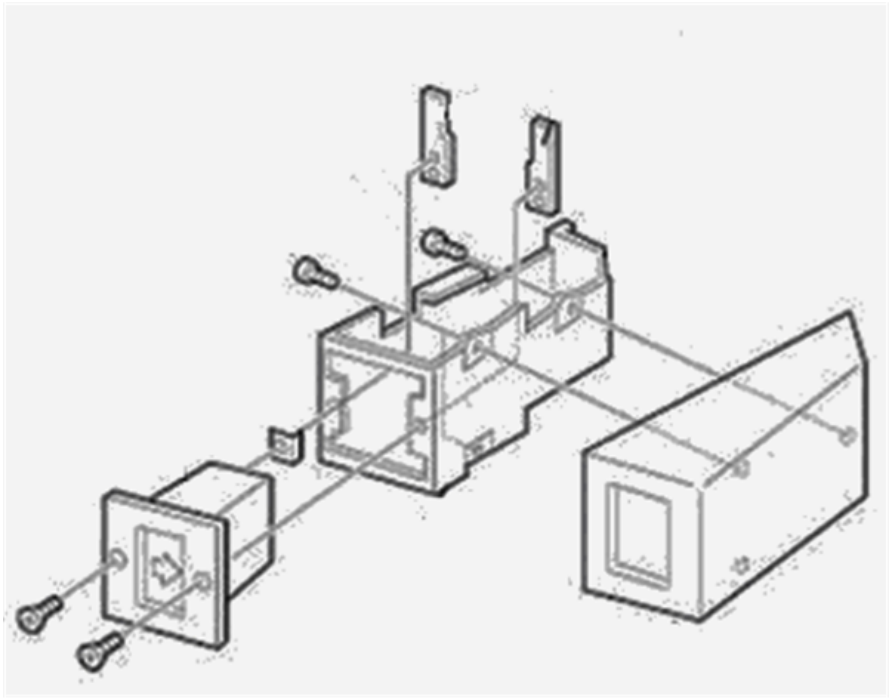
4. Turn the machine on.
5. Enter the SP mode.
6. Select **SP5-873-002** "Undo Exec."
7. Follow the messages on screen to complete the operation.
8. Turn the machine off.
9. Remove the SD card from Slot 2.
10. Turn the machine off.
11. Check that the application programs run normally.

Key Counter, Optional Counter I/F Unit

Key Counter Bracket Type 1027

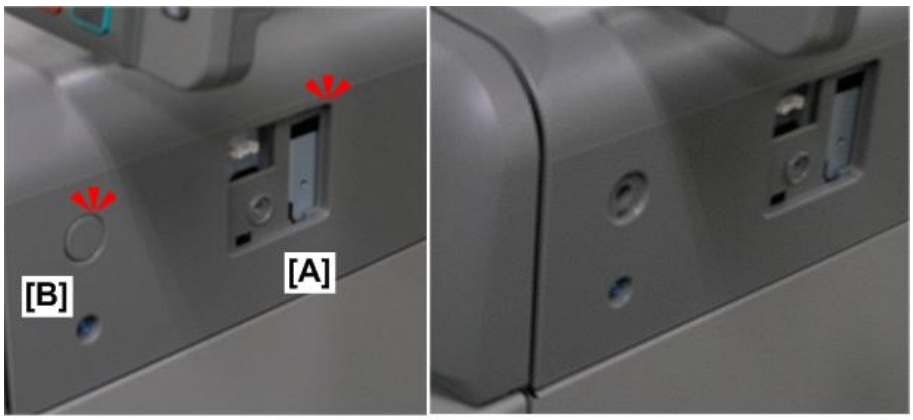
Installation

1. Assemble the key counter and bracket.



d270b1277

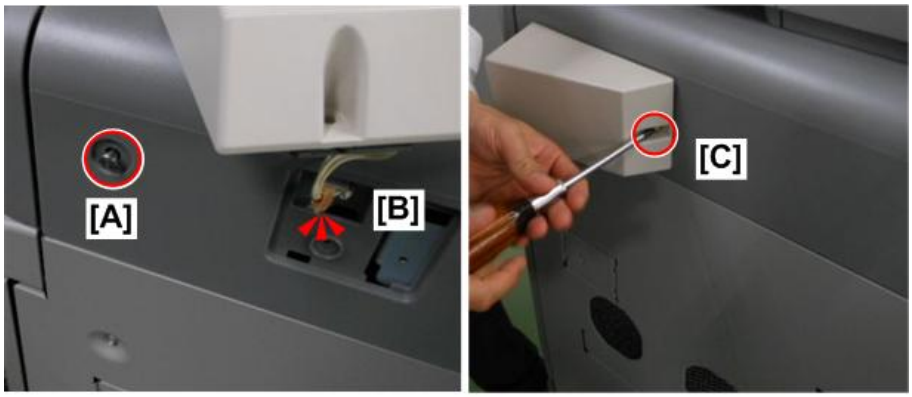
2. On the right side of the machine, use the tip of a small screwdriver to remove the square plate [A] and the round cap [B].



d1791250

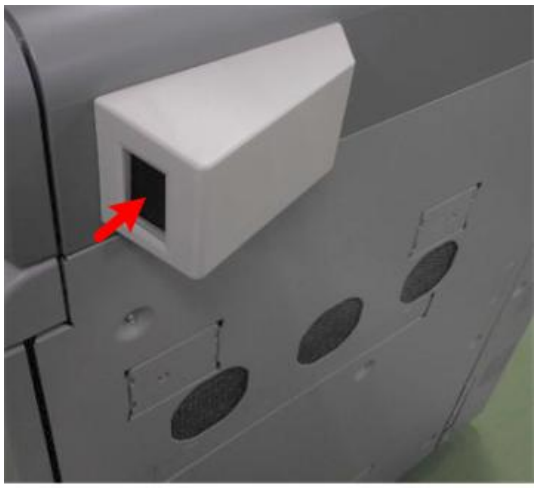
3. Attach the screw [A] (x1).
4. Connect the device [B] (x1).

5. Hang the device on the attached screw, and then attach screw [C] (x1).



d1791252

6. Insert the counter mechanism into the device.



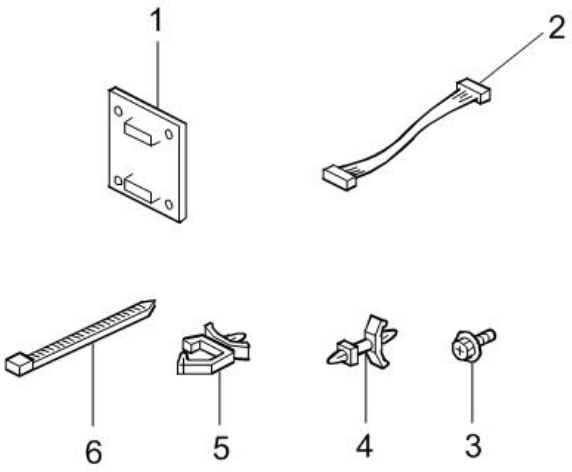
d1791253

Optional Counter I/F Unit Type A

RTB 29: Procedure modified

Accessories

Check the quantity and condition of the accessories in the box against the following list.



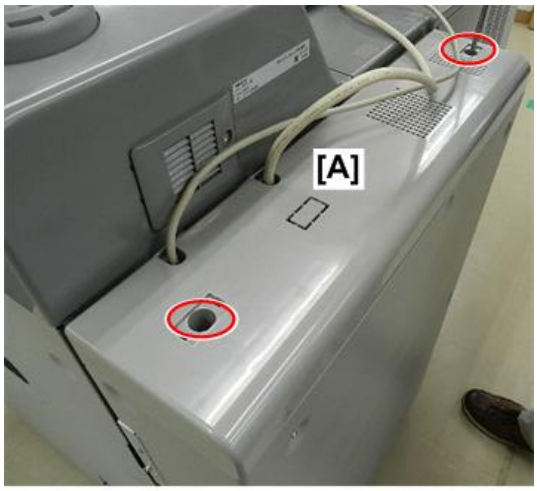
d1351748

2.Installation

No.	Description	Q'ty
1	Key Counter Interface Board	1
2	Harness	1
3	Tapping Screw M3x6	4
4	Standoff	4
5	Harness Clamp	1
6	Band	1

Installation

1. Remove the top cover [A] of the controller box (Caps x2,x2).



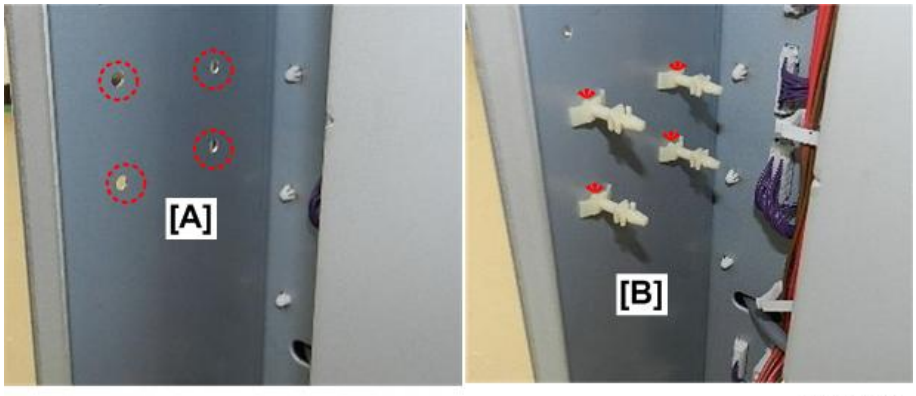
d1791267

2. Remove the back cover of the controller box (x11).

d1791274

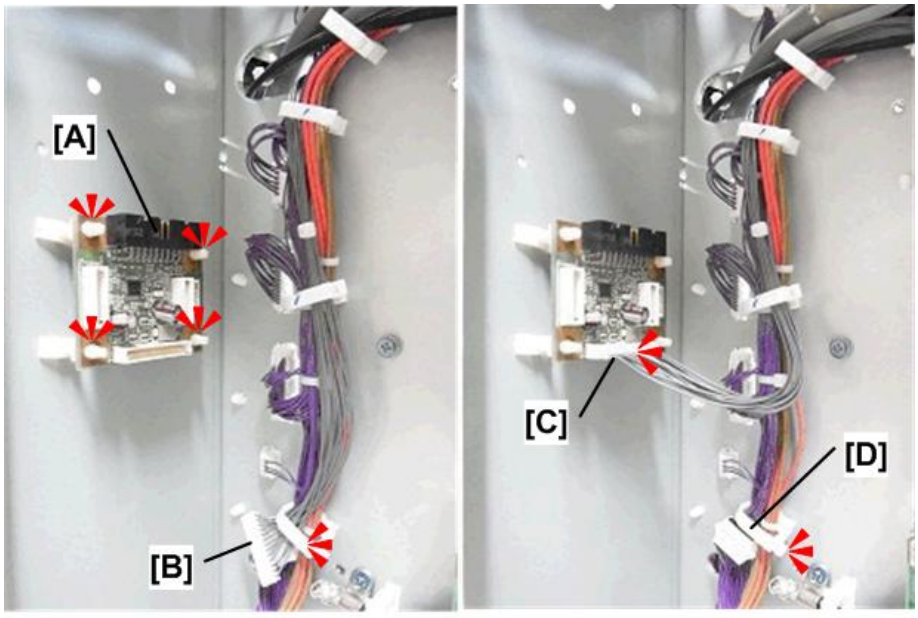
3. Locate the four holes [A] on the frame of the controller box.

4. Attach the standoffs [B] (x4).



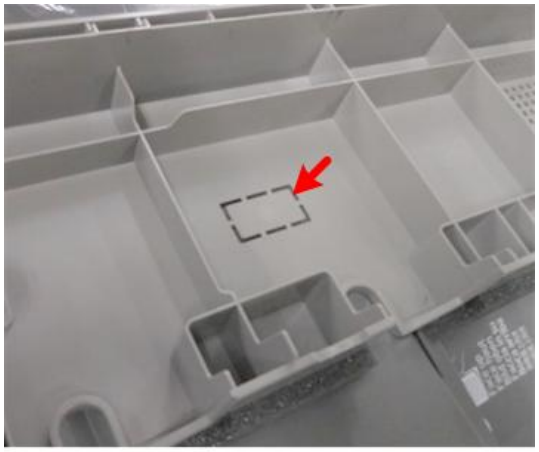
d1791269

5. Attach the connection board [A] to the standoffs.
6. Free the harness [B] (x1).
7. Connect the harness at [C] (x1).
8. Be sure to close clamp [D] (x1)



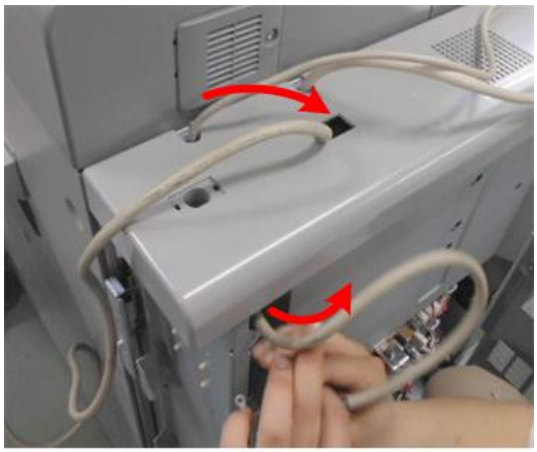
d1791270

9. Use a knife or a pair of nippers to remove the square knock-out from the controller box top cover.



d1791268

10. Pass the connector of the device harness through the hole where you removed the knock-out.



d1791275

11. Connect the counter device harness to the interface board.
12. Set the device at a convenient location.
13. If an LCT is installed on the right side of the machine, place the device on the LCT.

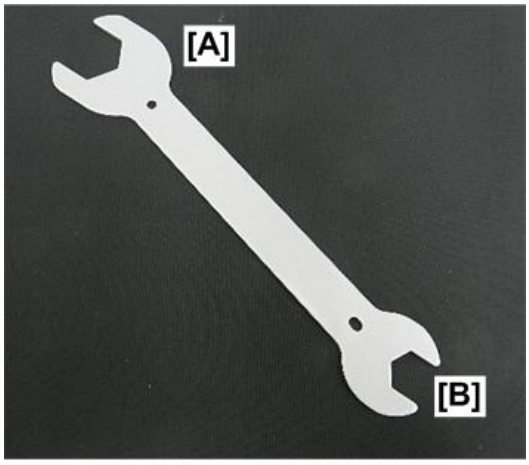
Common Adjustments

Height and Level Adjustment

Before you begin:

- The main machine should be installed first and adjusted to level front-to-back, and side-to-side.
- Note the settings on the leveling gauge. Due to the length of the paper path with optional peripheral units installed, it is extremely important that every unit be leveled to match the front-to-back and side-to-side measurements of the main machine.
- The height and level of each peripheral unit must be adjusted at installation.
- The height and level of each unit must be adjusted before testing for the presence of skew and checking that side-to-side registration is correct.

1. Use the wide end [A] of the accessory wrench provided with the machine to adjust the front and rear feet of the main machine.
2. The narrow end of the wrench [B] is for the feet of the peripheral units.



d1790999

Setting the Leveling Shoes

Important

- Do this procedure near each caster where an adjustable bolt is provided.
- The number of leveling shoes will differ, depending on which unit you are leveling.

1. Turn the lower nut to lower the bolt.

Note

- The upper bold is spot-welded to the frame and does not move.

d1795700

2. Set a leveling shoe below the bolt.
3. Continue to turn the lower nut until it stops against the shoe.

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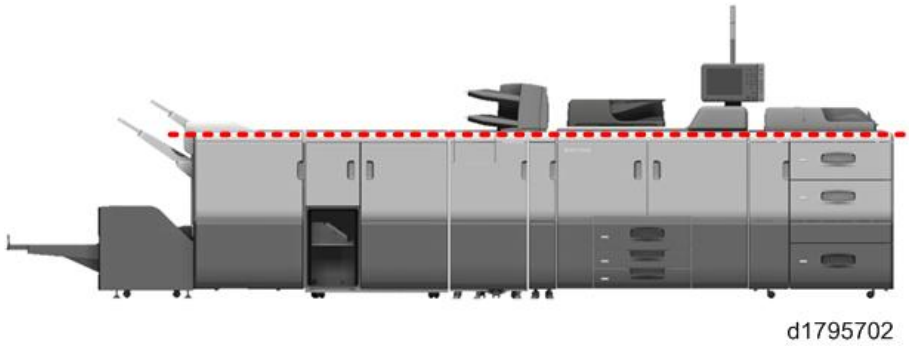
4. Set a level on the front, rear, and side edges to determine if the unit is level.
5. Adjust the height at each corner until the unit is level.
6. Check the results of the adjustments.
    - The top of the first peripheral unit on the left must be at the same height as the left side of the main machine.
    - The tops of the other peripheral units on the left where the units are joined must be at the same height.
    - The top of the LCIT on the right must at the same height as the right side of the main machine.



d1795702

- Make sure that the plate at the paper exit on the left side of the main machine [A] moves freely and is

not bent. It must be able to move to handle thick paper.

- Between the right side [B] of the main machine and the LCIT, make sure that the LCIT guide plate moves freely and does not interfere with the main machine guide plate.

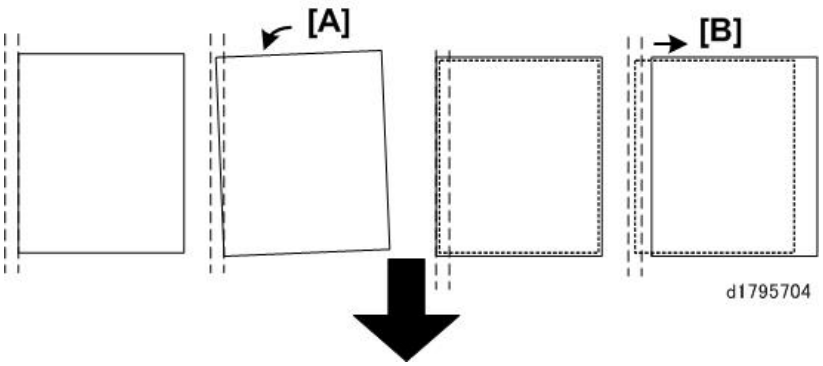
d1795703

Skew and Side-to-Side Registration

Overview

The paper feed path is extremely long when many peripheral units are installed. In such a long path, the cumulative effect of paper skew or deviation in side-to-side registration may require adjustment.

- Skew [A] occurs when the trailing edge of the paper rotates away from the direction of paper feed.
- If side-to-side registration shift [B] occurs, the sheet remains straight but shifts left or right away from center of the paper path.



d1795704

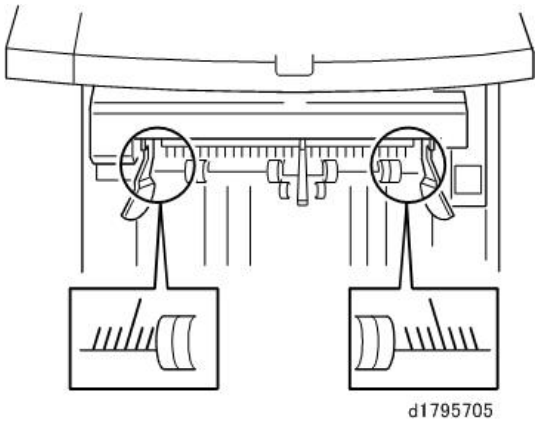
Important

- Before adjusting skew manually, be sure to enter the SP mode and set SP1206 to "2" (OFF). This disables side-to-side registration in the main machine's registration unit.

Scales

- Skew and side-to-side registration are checked with graduated scales (shown below) where paper exits the

units.

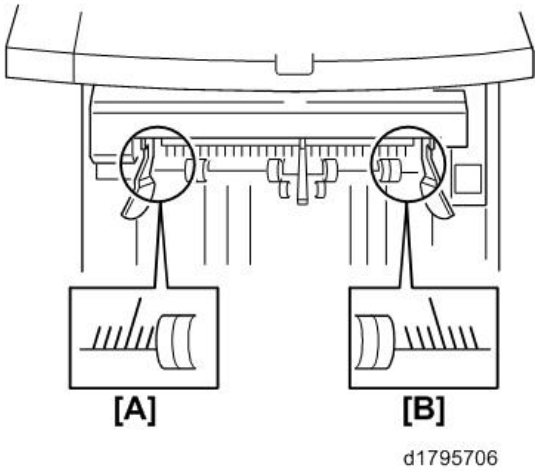


- The scales are provided so that you can visually check and measure the amount of skew or deviation in side-to-side registration.
- A scale for detecting skew and checking side-to-side registration ("S-to-S") is provided on the following peripheral units.
- Correction for both skew and side-to-side registration are possible.

Name	**Skew**	**S-to-S**	**Comment**
LCIT	---	**---**	Correction is done in the registration unit of the main machine.
Other Peripheral Units	**Yes**	**Yes**	Correction for both skew and side-to-side registration are possible when the unit is attached to the upstream unit with the single bracket.

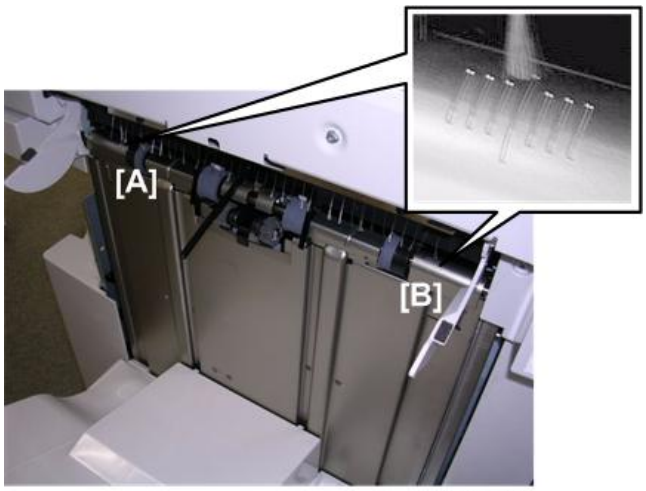
Use either the rear scale or front scale, depending on the type of paper used in your area:

- Rear [A]: **DLT** SEF (LT LEF for Ring Binder)
- Front [B]: **A3** SEF (A4 LEF for Ring Binder)



The illustrations show where the scale for each peripheral unit is located:

- [A]: DLT/ [B]: A3



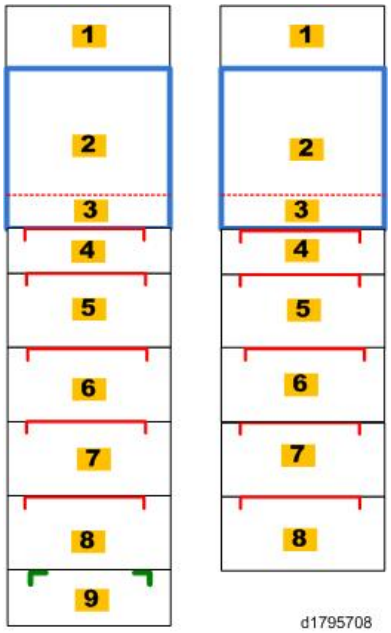
d1795707

The illustration shows the scale on the left side of the Booklet Finisher tray. The same scale is at approximately the same position (paper exit) for the following units:

- Multi Folding Unit: Proof Tray, or Left Exit
- Ring Binder: Left Exit
- High Capacity Stacker: Proof Tray

In the illustration below:

- The RED lines indicate the single-piece brackets where adjustments can be done to eliminate skew and to correct side-to-side registration.
- The GREEN lines indicated 2-piece joint brackets where adjustment is not possible (between the finisher and trimmer unit).



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Unit	Name	Comment
[1]	LCIT	
[2]	Main Machine	
[3]	Decurl Unit (inside main machine)	Inside main machine

Unit	Name	Comment
[4]	Cover Interposer Tray	
[5]	Multi Folding Unit	
[6]	Ring Binder	
[7]	High Capacity Stacker	
[8]	Finisher	Either finisher
[9]	Trimmer Unit (Joint Brackets x2)	Joint Brackets x2

Note: The Trimmer Unit [9] does not have the single bracket for the upstream unit that allows side-to-side adjustment with shims (described below).

Here are some general rules for testing and adjusting for paper skew or a shift in side-to-side registration.

1. After installation of each peripheral device, do some test prints and check for the presence of skew, and check that side-to-side registration is correct.
2. When you detect a problem with skew or side-to-side registration, do the adjustment on the joint bracket attached to the peripheral unit **upstream of the unit where the problem occurred**.
3. Side-to-side registration is corrected by shifting the upstream joint bracket left or right. (See the next procedure.)
4. Skew is eliminated by inserting spacers (shims) under the rear or front end of the joint bracket. These attached by screws to the peripheral units before they leave the factory.

Checking Side-to-Side Registration

Do this procedure to confirm that the paper is centered in the paper path.

1. Make sure that the I/F cable of the unit is connected to the upstream unit.
2. Disconnect the unit to the left of the unit to be tested.
3. Execute a run by feeding paper from Tray 2 of the host machine.

Note

- If you are testing the Ring Binder, execute the run by feeding paper (A4 or LT LEF) from Tray 2 of the host machine (punching only, no ring binding). (The Ring Binder cannot accept a larger paper size.) Feed A3 SEF for other units.

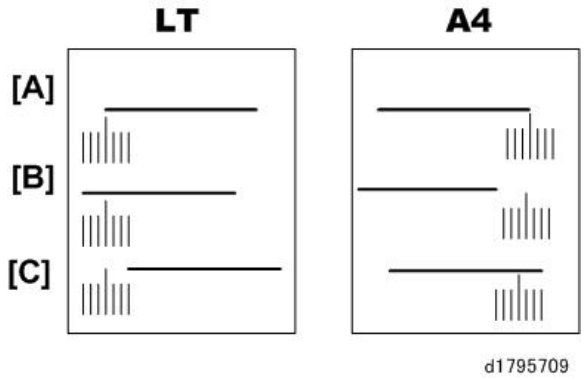
4. When each sheet exits, check the position of the paper on the scale to see if the paper is centered.
   - Read the **rear scale** for **DLT**-size paper.
   - Read the **front scale** for **A3**-size paper.
   - If you are testing the ring binder, read the **rear scale** for **LT LEF** paper and the **front scale** for **A4 LEF** paper. With the Ring Binder, the paper does not exit. It will switch back and feed to the punch unit.
   - The scale lines are spaced 2 mm apart.
5. The paper must not deviate more than ±2 mm on the scale.

[A]	Leading/trailing edges centered. No adjustment necessary.
[B]	Leading/trailing edges offset to the rear by more than 2 mm. Adjustment required.
[C]	Leading/trailing edges offset to the front by more than 2 mm. Adjustment required.

If the edge of the paper is on the scale at the center [A], no adjustment is required.

-or-

If the edge of the paper is ±2 mm off the center line on the scale, adjustment is required. Do the procedure in the next section.



Correcting Side-to-Side Registration

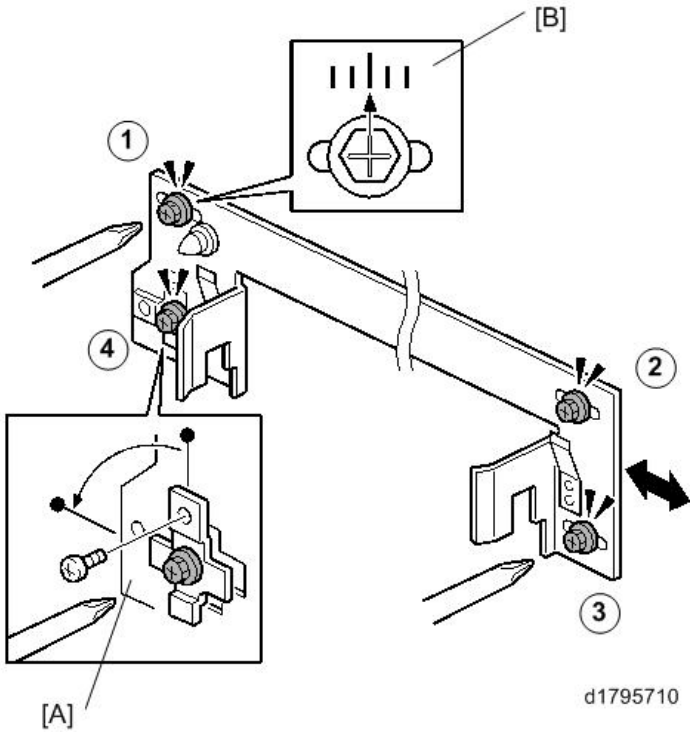
Each peripheral unit for this machine has the same single-piece connection bracket shown below. This adjustment can be done for every unit on the connection bracket attached to the upstream unit

1. Enter the SP mode and set SP1206 to "2" (OFF).
2. Disconnect the peripheral unit from the upstream unit.
3. On the joint bracket attached to the upstream unit, loosen screws ①, ②, ③, and ④.
4. Remove the bracket [A] (x1), rotate it 90 degrees, and re-fasten the screw. Changing the position of this bracket aligns the oval cut-out horizontally and frees the joint bracket so it can slide from side to side.
5. Look at the scale [B].
6. Slide the bracket to the left or right and tighten the screw.
7. If the deviation from center was toward the front, slide the bracket to the rear and tighten screw ①.

   -or-

   If the deviation from center was toward the rear, side the bracket to the front and tighten screw ①.

8. Tighten screws ②, ③, and ④.



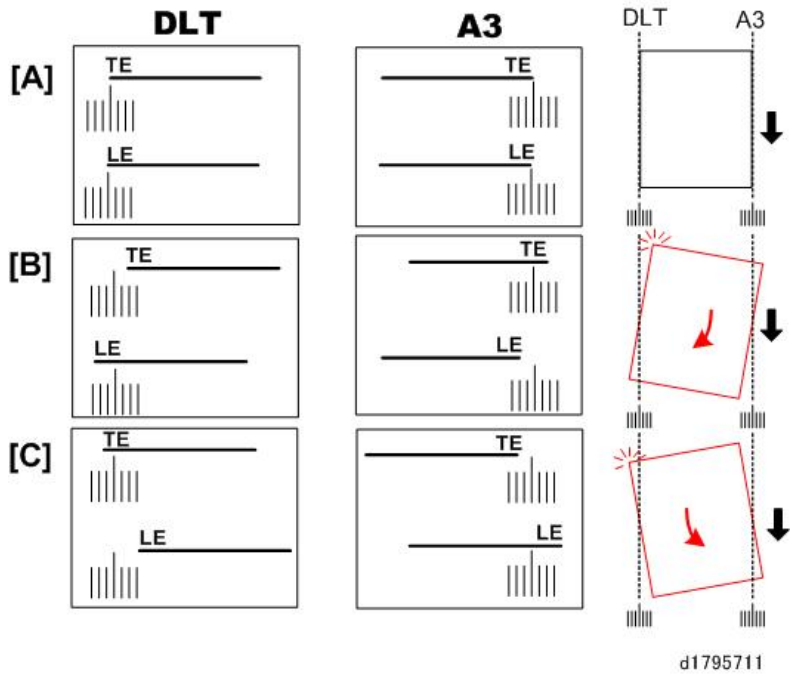
9. Do another test run, so that you can check the results of the adjustment.
10. When you are finished, enter the SP mode and re-set SP1206 to "1".

Detecting Paper Skew

Do this check to detect the presence of skew in the paper path.

1. Make sure that the I/F cable of the unit is connected to the upstream unit.
2. If a peripheral unit is connected on the left side, disconnect it and pull it away.
3. Execute a straight-through run.
4. Check the scale where each sheet exits.
   - The **rear scale** is for **DLT**-size paper.
   - The **front scale** [2] is for **A3**-size paper.
   - Be sure to read the correct scale for the paper size in use.

[A]	Centered. No adjustment necessary.
[B]	Trailing edge skew to the front, total skew more than ±2 mm. Adjustment required.
[C]	Trailing edge skew to the rear, total skew more than ±2 mm. Adjustment required.



Correcting Skew

1. Enter the SP mode and set SP1206 to "2" (OFF).
2. Disconnect the peripheral unit from the upstream unit.
3. Locate and remove the spacers from the peripheral unit where the problem occurred.

Locating and Removing Spacers

The photos below show where you can find the spacers for each unit.

Multi Folding Unit

d1795712

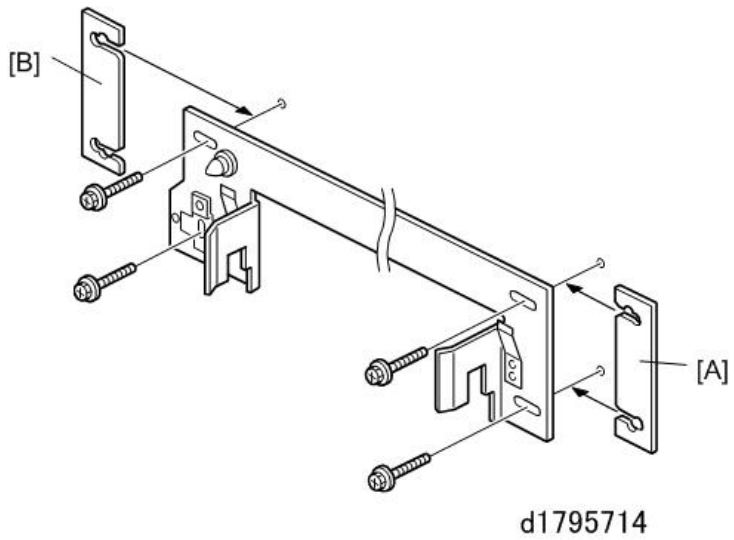
Booklet Finisher, Finisher

d1795713

1. Open the front door (x1).
2. Remove the spacers (x1).

Inserting Spacers

1. Loosen the screws (x4) of the joint bracket attached to the peripheral upstream of the unit where the problem occurred.
2. Insert a spacer and tighten the screws.
   If the trailing edge is **skewing toward the rear** of the machine, insert a spacer [A] under the **front end of the bracket** and tighten the screws.
   -or-
   If the trailing edge of the paper is **skewing toward the front** of the machine, insert a spacer [B] under the **rear end of the bracket** and tighten the screws.



d1795714

3. Do another run to check the adjustment. If skew is still present, insert another spacer.

- Each spacer is 2 mm thick.
- Only two spacers are provided, so the maximum adjustment is 4 mm (using two spacers).

4. Enter the SP mode and re-set SP1206 to "1".

Fiery Controller Connection and Setup

Connect EFI Box to Main Machine

Note

- Refer to the Fiery controller service manual for more details about the installation requirements for the controller.

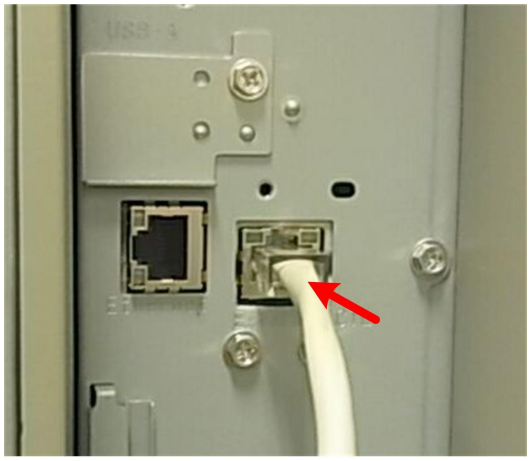
1. Make sure the main power switch behind the left front door is off.
2. Set the Fiery controller box on the floor.

d074i857

3. Connect the shielded cable to the lower network cable slot of the Fiery Controller box.

Note

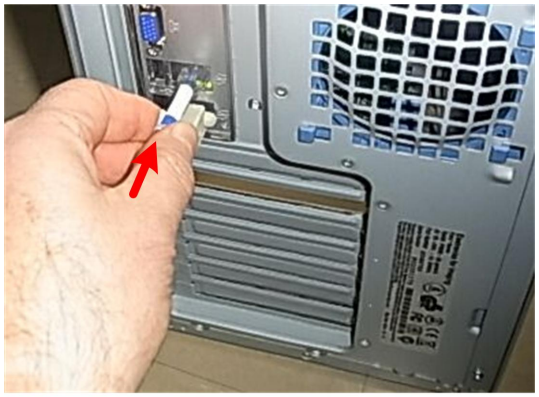
- You must use the shielded cable provided with the accessories to connect the Fiery Controller box and the main machine.



d074i858

1. Connect the other end of the shielded cable to the controller box of the main machine. The correct connection

point is marked "External CTL".



d074i858a

2. Connect the cable from the client network to the upper network cable slot.

Connect the EFI Box Power Cord

1. Connect the power cord to the back of the controller box.

d074i856

2. Connect the other end of the power cord to a power source.

Power On with Fiery Controller

1. Turn on the main power switch of the main machine.

2. Turn on the switch on the back of the Fiery Controller box.

d074i858b

3. Press and turn on the switch on the front of the Fiery Controller box.

d074i858c

Fiery Controller Setup

Fiery Controller Selection

1. Enter the SP mode.
2. Set **SP5193-001** to “6” (Fiery controller). RTB 21

Fiery Language Selection

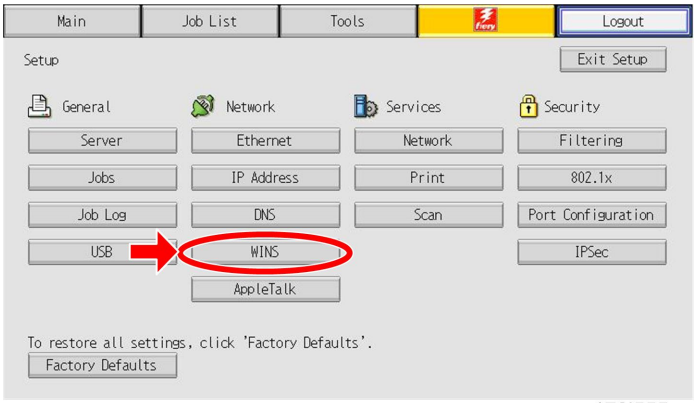
If the operator wants to use a language other than English to operate the Fiery controller, the language selection must be done first. To select a different language, the Fiery system must be re-installed. For details, the Field Service Manual for the Color Controller: EB-34. RTB 21

Fiery Controller Settings

You must do the Fiery controller settings immediately after you turn the machine on for the first time.

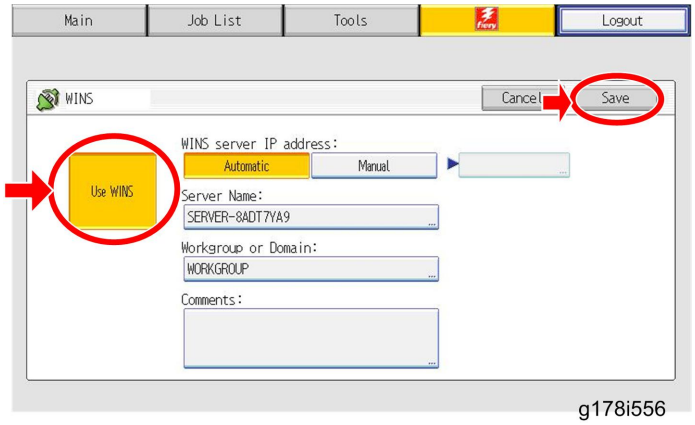
- Make sure that that the Activity light on the Controller LCD is flashing green, and then go to the machine's operation panel.

1. Wait for the "Please wait" message to go off.
2. Press the "Fiery" tab on the LCD after the Fiery operating menu has appeared.
3. Press the "Setup" button on the operation panel.
4. The "Login" screen appears.
5. Press the "Password" button to open the soft keyboard.
6. Enter "Fiery. 1" with the soft keyboard, and then press the "OK" button.
   - Password entry is case sensitive (the machine distinguishes between lower case and upper case letters).
   - Use the "Shift" button to enter a capital letter.
7. The setup screen appears after you enter the password correctly.
8. Press the "WINS" button.



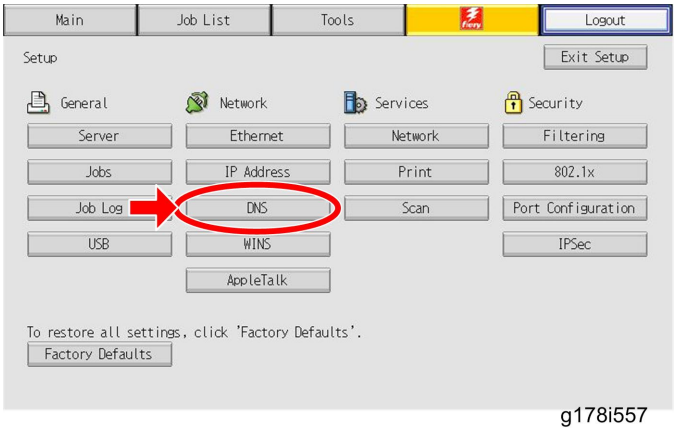
g178i555

9. Press the "Use WINS" button to disable this function then "Save".



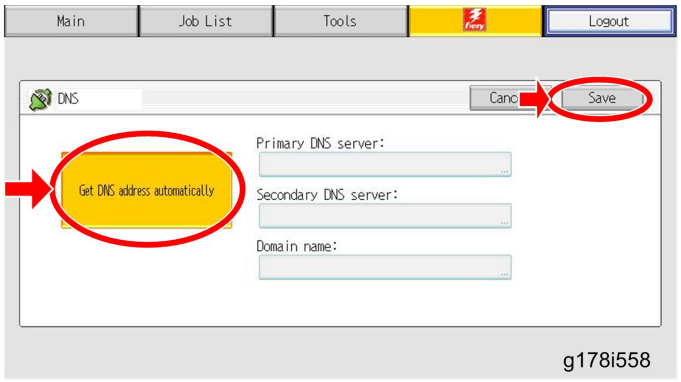
g178i556

10. Press the "DNS" button.



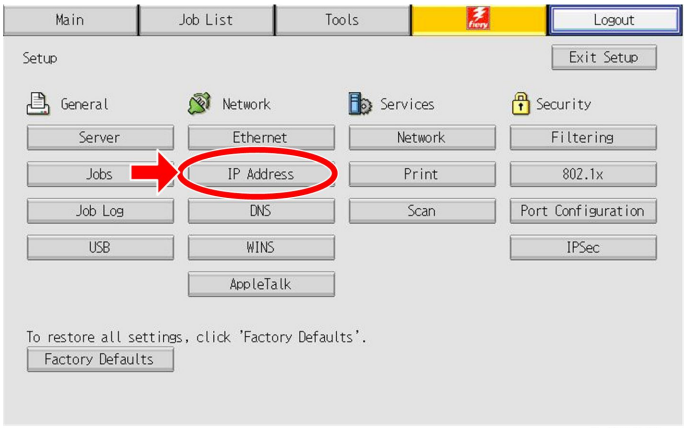
g178i557

11. Press "Get DNS address automatically" to disable this function, and then press "Save". The button color turns gray to indicate that this button is disabled.



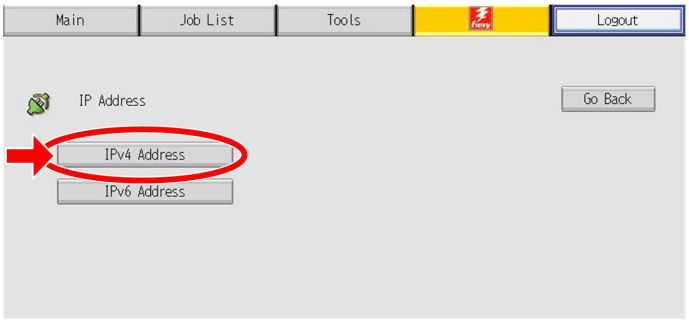
g178i558

12. Press "IP Address" to enter the IP address.



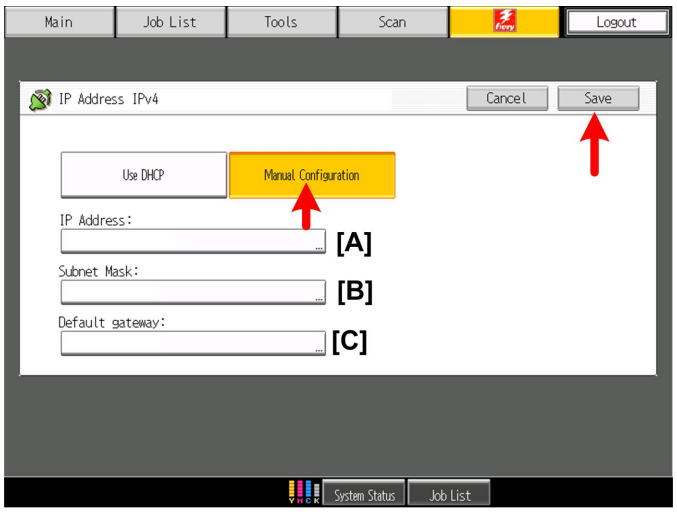
g178i559

13. Press "IPvd Address".



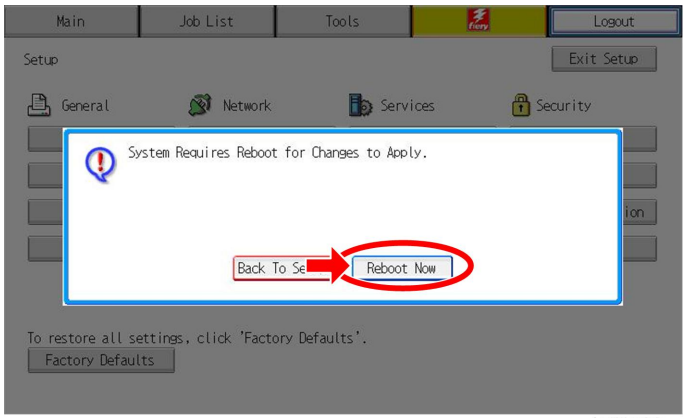
g178i560

14. Press the "Manual Configuration Button".



d074r001b

15. Press the "IP Address" bar [A] to enter the IPv4 address, and then enter the IPv4 address.
    - The soft keyboard appears
    - Enter the IP address with the soft keyboard, and then press the "OK" button.
16. Press the "Subnet Mask" bar [B] to enter the subnet mask IP, and then enter the subnet mask IP.
    - The soft keyboard appears.
    - Enter the IP address with the soft keyboard, and then press the "OK" button.
17. Press the "Default gateway" bar [C] to enter the default gateway IP address, and then enter the default gateway IP address.
    - The soft keyboard appears.
    - Enter the IP address with the soft keyboard, and then press the "OK" button.
18. Press the "Save" button after IP address setting has been completed.
19. Press the "Go Back" button, then the "Exit Setup" button.
20. Press the "Reboot Now" button.



g178i563

21. The Fiery server and copier system automatically turn off to reboot.

3. Preventive Maintenance

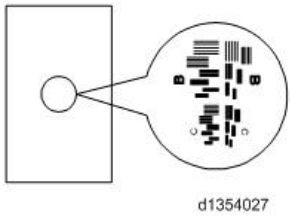
Preventive Maintenance Tables

See "Appendices" for the Maintenance Tables.

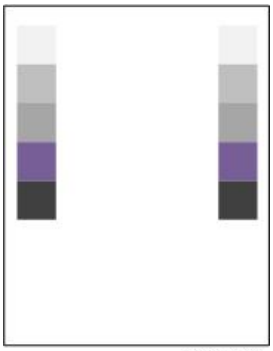
Image Quality Standards

Checking Image Quality

Resolution

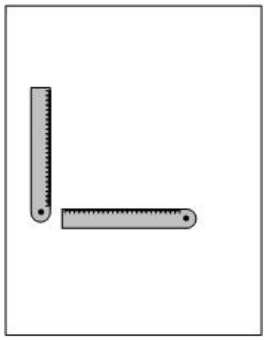
Standard	1:1/Enlargement:	4.5 lines/mm or more
	Reduction:	4.5 x M or more mag.
What You Need	S-2-1 Chart	
Method	 d1354027 Resolution measured after copying in Text Mode at AE5 notch with Normal Paper	

Even Density

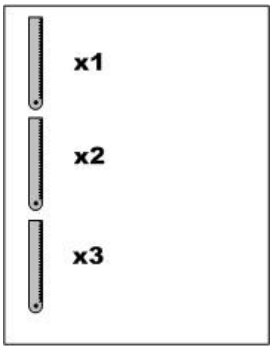
Standard	Left, right grayscale within 0.1 at 0.2 to 0.6
What You Need	S-2-1 Chart
Method	 d1791422 Right, left density measured after copying in Text Mode at AE5 notch with Normal Paper.

Magnification Errors

Standards	1:1	Main scan: <±0.5%, Sub scan: <±0.8%
	Magnification	Main scan: <±1.0%, Sub scan: <±1.0%
What You Need	150 mm scale	

Method	 d1791423 1. Set two scales on the exposure glass, and then copy them. 2. Wait at least 10 min. after the paper exits. 3. Measure 100 mm on the copied images with the actual scale.

Magnification Error Variation

Standard	1:1/Mag.: Sub scan (horizontal, vertical) less than 1.0%
What You Need	150 mm scale
Method	 d1791424 1. Place three 150 mm scales on the exposure glass, and then copy them. 2. Wait at least 3 min. after the paper exits. 3. Use a scale to measure 100 mm against each scale image (x1, x2, x3) on the paper. 4. Determine the maximum and minimum deviation (%) from the standard. 5. Calculate the difference between the maximum and minimum deviation. • For example, if the three measurements of the scales are 100.4 mm, 99.5 mm, 100.2 mm, then the difference between the maximum and minimum values is 0.9 mm (100.4 – 99.5). • Set the scales in the main scan direction (horizontal), copy them, and then use the same method to determine the variation • For best results, using at least three scales is recommended. • If you have only one scale, then you can make three copies with the scale at different positions. • Please remember that line speed may vary slightly depending on the number of copies in a job.

Paper Transfer

Paper Transfer Quality Standards

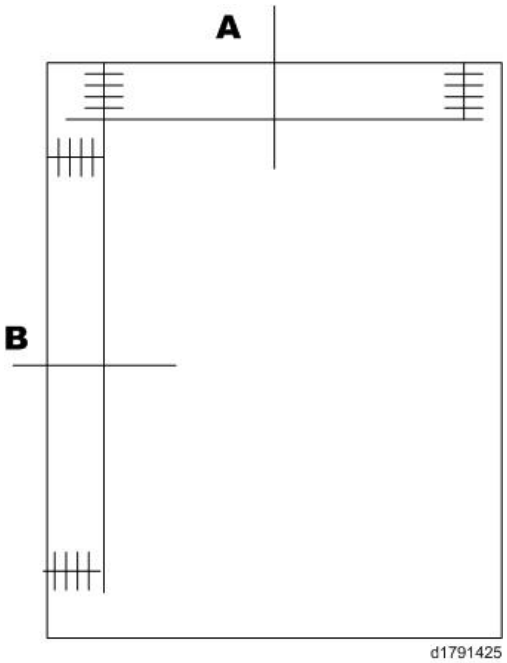
Registration

Standard: Main Machine

Simplex	Engine	Sub scan 0±0.5 mm
	Copy	Sub scan 0±1.5 mm
Duplex	Engine	Sub scan 0±0.5 mm
	Copy	Sub scan 0±1.5 mm

Standard: Main Machine + ADF

		Copy Paper (40 to 128 g/m^2)	
		Front Side	**Reverse Side**
Plotter		0±0.5 mm	0±0.5 mm
With ADF			
Front A3 to A5	Main scan 0±1.0 mm	0±2.5 mm	0±2.5 mm
	Sub scan 0±2.0 mm	0±1.5 mm	0±1.5 mm
Reverse A3 to A5	Main scan 0±3.0 mm	0±3.5 mm	0±3.5 mm
	Sub scan 0±1.0 mm	0±1.5 mm	0±1.5 mm

What You Need	S-2-1 Chart, 150 mm scale
Method	 1. Make a 1:1 copy of the S-2-1 chart with normal paper. 2. Use the scale to measure the registration marks at the leading edge. 3. The range is vertical registration A: 5 mm, and horizontal registration B: 4 mm for the

	front side.

Skew

Standard: Main Machine

	Function	Specification	Feed Length
Simplex	Engine	Less than 0±0.5 mm/200 mm	More than 270 mm
		Less than 0±0.5 mm/100 mm	Up to 279 mm
	Copy	Less than 0±1.0 mm/200 mm	More than 270 mm
		Less than 0±1.0 mm/100 mm	Up to 279 mm
Duplex	Engine	Less than 0±0.5 mm/200 mm	More than 270 mm
		Less than 0±0.5 mm/100 mm	Up to 279 mm
	Copy	Less than 0±1.0 mm/200 mm	More than 270 mm
		Less than 0±1.0 mm/100 mm	Up to 279 mm

Standard: Main Machine + ADF

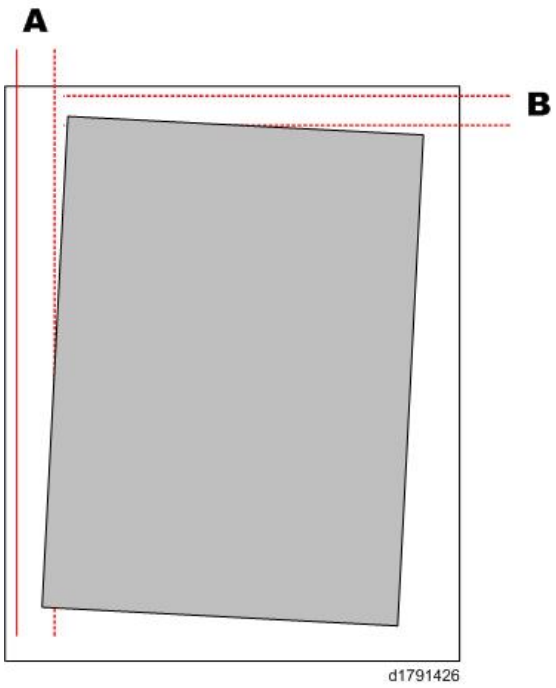
Plotter Copy Paper (40 to 128 g/m^2)

Front Side (mm)		**Reverse Side (mm)**	
More than 279	**Up to 279**	**More than 279**	**Up to 279**
±0.5 mm/200	±0.5 mm/100	±0.5 mm/200	±0.5 mm/100

ADF: Copy Paper (40 to 128 g/m^2)

	Front Side (mm)			**Reverse Side (mm)**	
Front	Main scan: ±1.5 mm/200 mm	±2.0/200	±2.5/200	±2.0/200	±2.5/200
	Sub scan: ±1.0 mm/200 mm	±1.5/200	±2.0/200	±1.5/200	±2.0/200
Reverse	Main scan: ±2.0 mm/200 mm	2.5/200	3.0/200	2.5/200	3.0/200

What You Need	S-2-1 Chart, 150 mm scale

Method	 1. Make a 1:1 copy of the S-2-1 chart with normal paper. 2. Use the scale to measure the left and right registration marks at the leading edge.

LCIT RT5070/RT5080

Registration	Leading edge registration	0±2 mm (±1 mm variation per job)
	Horizontal registration	0±2 mm
Skew	A4 SEF, LT SEF and larger	0±1/200 mm
	B5 SEF and smaller	0±1/100 mm

Cover Interposer Tray CI5030

Horizontal registration	0±2 mm	
Skew	A4 LEF, B5 LEF	0±0.63/100 mm
	A3, B4	0±0.83/100 mm

PM Parts Settings

PM Preparation

Before You Begin...

Before you begin, you must release the main machine from the @Remote communication system.

1. Go into the SP mode.
2. Open SP5816-002 (CE Call), and then set it to "0".
   Setting this SP to zero will switch off the built-in @Remote communication function.

Note

- If you attempt to service the machine with @Remote connected and switched on, the @Remote service center may issue a service call error (CE), or the machine could issue a jam alert and attempt to update the jam error count. Do the procedures described below to prevent this from occurring while the machine is being serviced.

Before and After Servicing

1. Use one of these two methods to clear the PM counter:
   - Enter the SP mode, touch "PM Counter", touch "All PM Parts List", and then clear the counter for the PM part to be replaced.
   - Enter the SP mode, open SP7622, select the number of the part to be replaced (003 to 194), and then touch [EXECUTE].

Important

- Just clearing the counter in the SP mode does not clear the count. After the counts have been reset to zero from one or more PM parts, exit the SP mode, and then cycle the machine off/on.
- The machine must be cycled off/on for the count clear setting to take effect.
- After cycling the machine off/on, enter the SP mode again and then confirm that the counts have been cleared (reset to zero).

⚠CAUTION

- After an emergency (EM) or scheduled servicing (PM), if a PM part is replaced in either case the PM count must always be reset to zero.
- The counts must be reset to zero to prevent failure to update count data and inaccurate display of PM counts which could lead to parts damage or damage to the machine after PM parts have worn out.

2. If any SP count must be reset manually, check the "Initial Adjustment SP Lists" and confirm that the counts have been reset to zero.
3. When you are finished, enter the SP mode and reset SP5816-002 to "1" (End of Service). This allows @Remote service center to calculate the down time for servicing.

Important

- Do not forget to restore this setting to "1". If the machine continues to operate with this setting not

reset to "1", the @Remove service firmware will reset it to "1" automatically four hours after it was set to "0".

- If servicing the machine requires more than four hours, be sure to reset SP5816-002 to zero again after four hours have elapsed.

Cleaning Points

Before You Begin

1. Turn off the machine and disconnect it from its power source.
2. Allow the machine to cool for at least 20 min.

⚠CAUTION

- Make sure that the machine is switched off and disconnected from its power source before doing the following procedures.

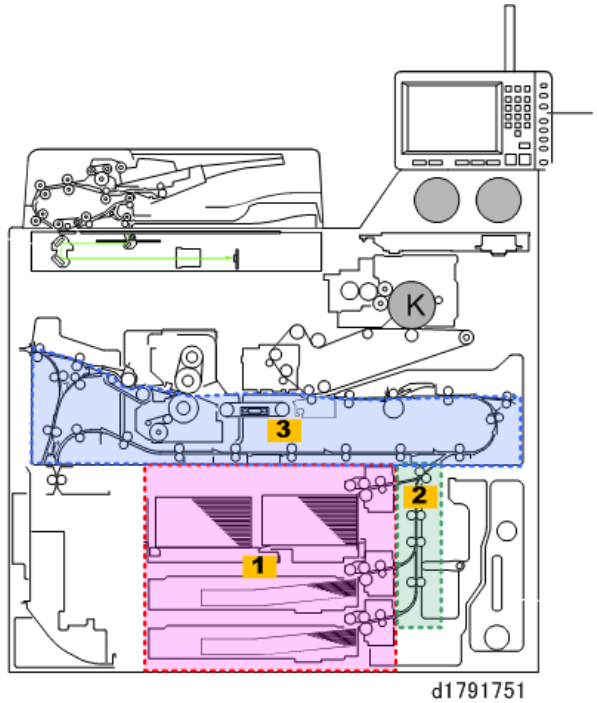
Inspection and Cleaning

This section describes how to clean the rollers and sensors in the paper path with little or no disassembly. Three units comprise the paper path.

Note

- This drawing shows copier version only, but description is the same for the printer version.

①	Paper Bank	Paper supply, 1st, 2nd, 3rd Trays
②	Vertical Transport Unit	Relays paper to the paper registration unit above.
③	Front Drawer	Paper registration, PTR unit, 2nd half of duplex path



Here are some rules to follow for cleaning rollers and sensors.

Roller Cleaning

- Clean rollers with a dry cloth.
- Try to avoid touching the surfaces of the rollers with bare hands.

Sensor Cleaning

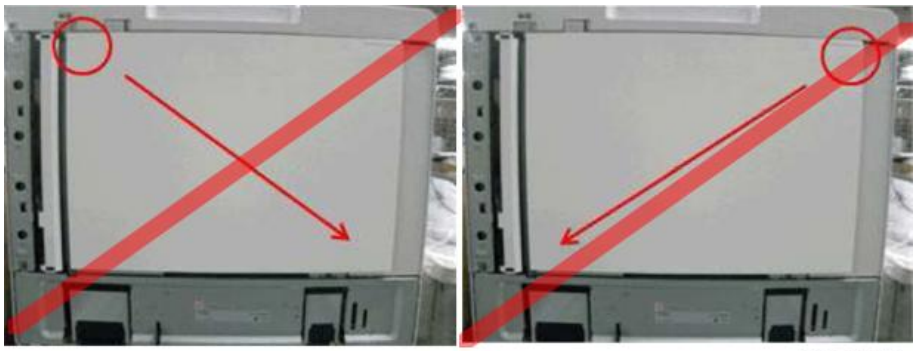
- Clean sensors with a blower brush. Do not use cloth or tissue paper.

- Most of the sensors are below holes in plates, so you may not be able to see them.
- Insert the tip of the blower brush into the hole and squeeze it to blow any paper dust off the sensor.

ADF Cleaning (Copier)

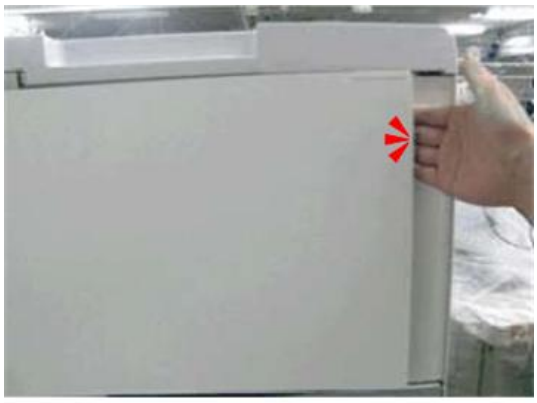
Important

- To avoid damaging the white plate, never try to peel the plate off from the upper right corner or upper left corner.



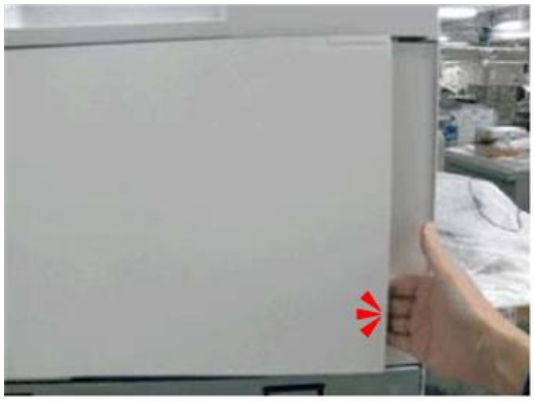
d1802510

1. Clean the white plate with a damp cloth.
2. To remove the white plate, first insert your hand under the upper right corner, about the width of your palm, to separate the plate.



d1802506

3. Insert your hand about palm-width at the lower right corner.

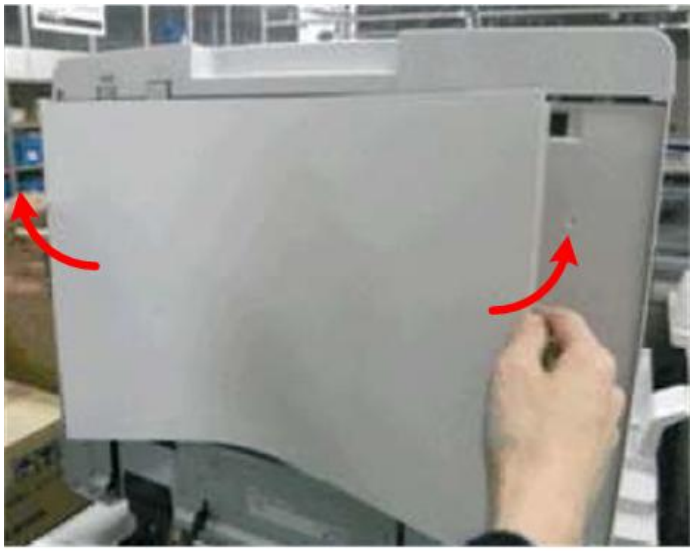


d1802507

4. In the same way, separate the upper left corner [A] and lower left corner [B].

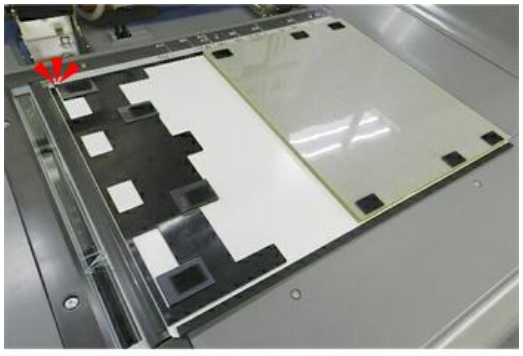
d1802508

5. Pull both sides of the plate straight off (insert your hand under the center to separate the center).



d1802509

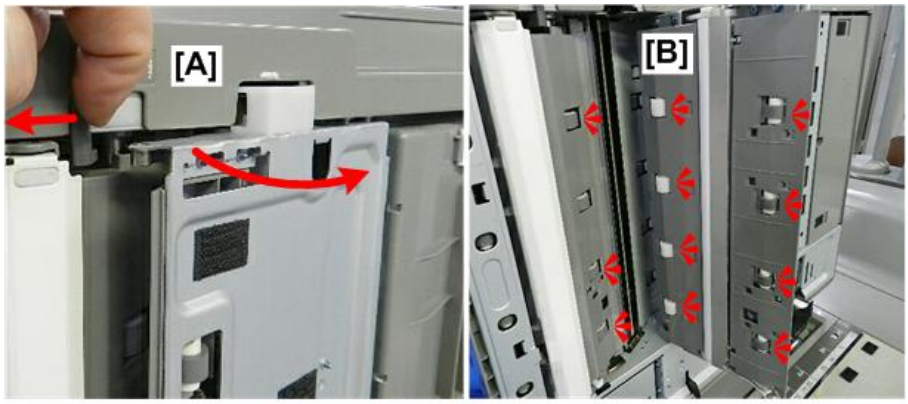
6. If you need to remove the white plate, pull it off the Velcro fasteners.
7. To re-attach the white plate, set the corner of the plate in the upper left corner, and then just lower the ADF.



d1802501

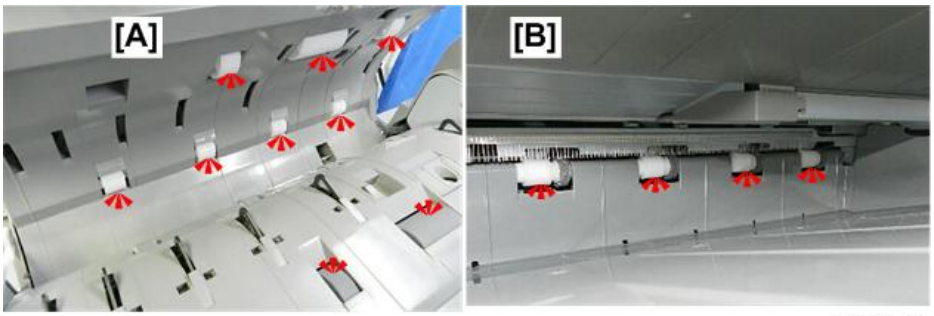
8. Push the release lever [A] to the left, and then open the plate [B].

9. Clean the lower rollers with a water or alcohol dampened cloth.



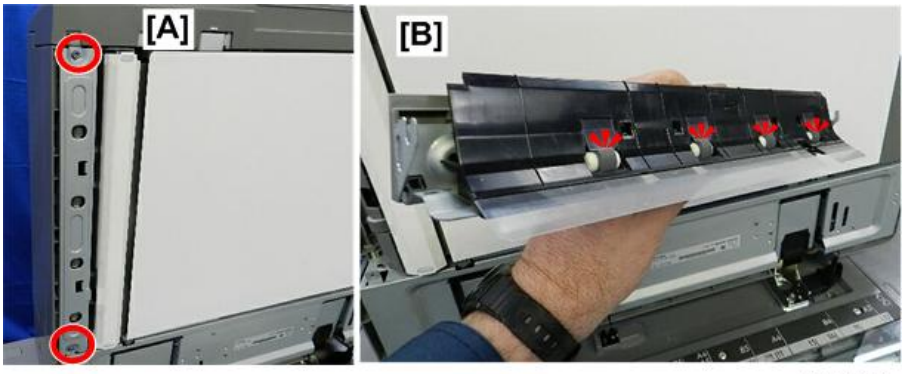
d1802502

10. Open the feed cover [A].
11. Clean the upper rollers with a water or alcohol dampened cloth.
12. Under the original tray [B], clean the rollers with a water or alcohol dampened cloth.



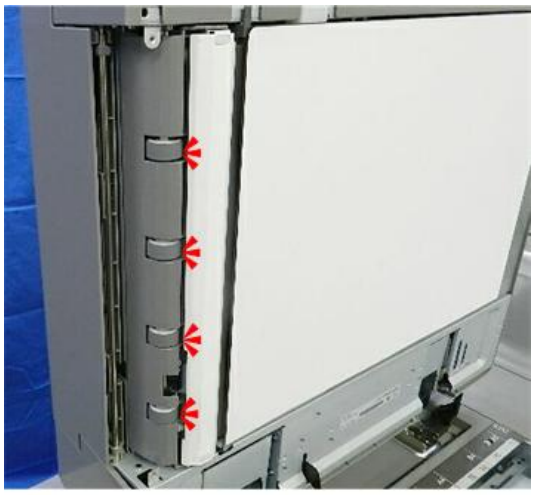
d1802503

13. Raise the ADF [A].
14. Remove the left plate (x2).
15. Clean the scanner rollers [B] attached to the plate.



d1802504

16. Clean the other rollers where the plate was removed.



d1802505

Scanner Unit (Copier)

1. Use glass cleaner and a clean cloth to clean the scanner glass.

d1792626

2. Use glass cleaner and a clean cloth to clean the exposure glass.

d1792627

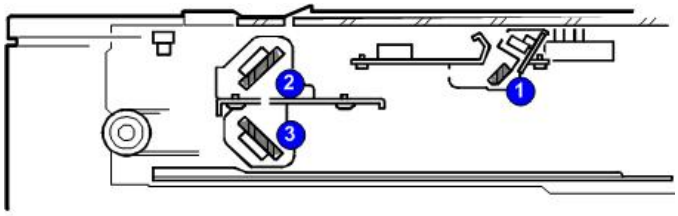
3. Turn the scanner motor belt ① counter-clockwise until the exposure lamp assembly ② reaches ③ the

cut-out.

d1792628

4. Use a lens cloth to clean the reflector plate.

①	1st Mirror
②	2nd Mirror
③	3rd Mirror



d1792629

5. Use a lens cloth to clean the 1st mirror.

d1792630

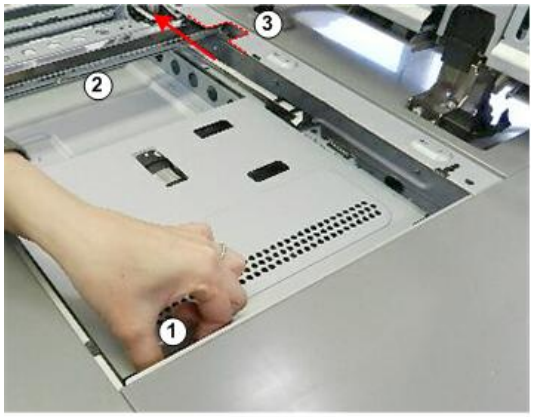
6. Use a lens cloth to clean the 2nd mirror.

d1792631

7. Use a lens cloth to clean the 3rd mirror.

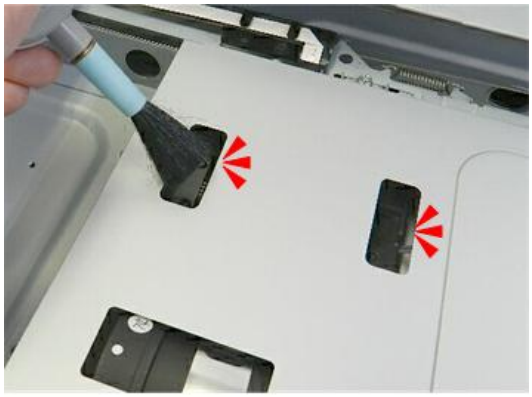
d1792632

8. When you are finished cleaning the optics, turn the scanner motor belt ① until the exposure lamp unit ② reaches the far left side ③ of the exposure unit.



d1792633

9. Clean the original size sensors with a blower brush.

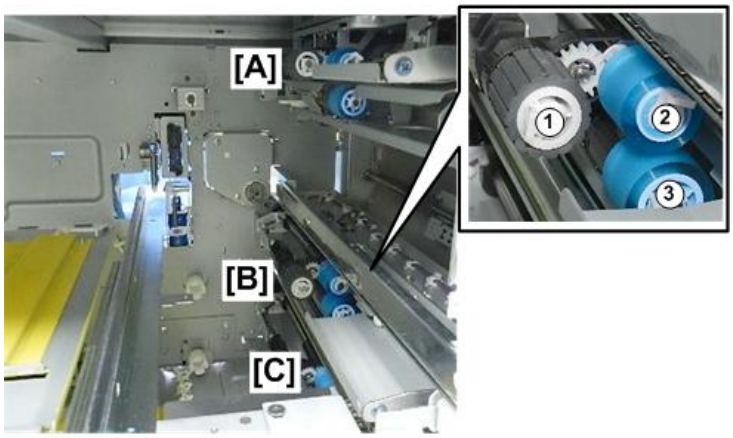


d1792634

PFU Rollers

1. Remove the right half of Tray 1.
2. Remove Tray 2 and Tray 3.
3. Locate the paper feed units of each tray: [A] PFU 1, [B] PFU 2, [C] PFU 3. Each unit has an identical set of rollers.

①	Pickup Roller
②	Feed Roller
③	Separation Roller



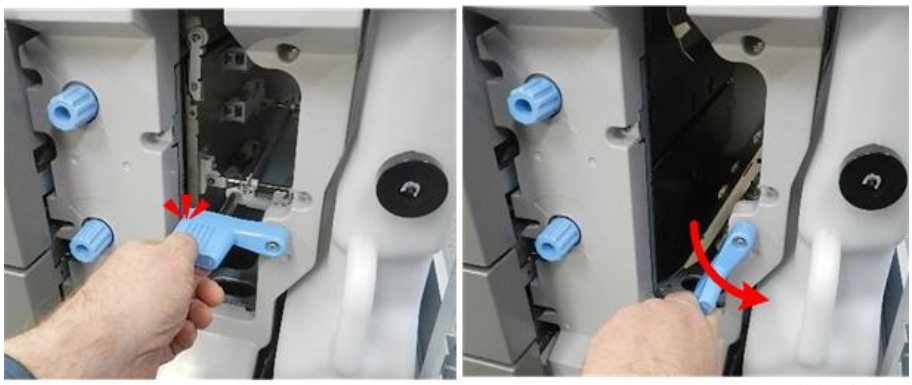
d1791701

4. Clean the rollers with a dry cloth.
5. Clean the sensors with a blower brush.

Vertical Transport Unit (VTU) Rollers, Sensors

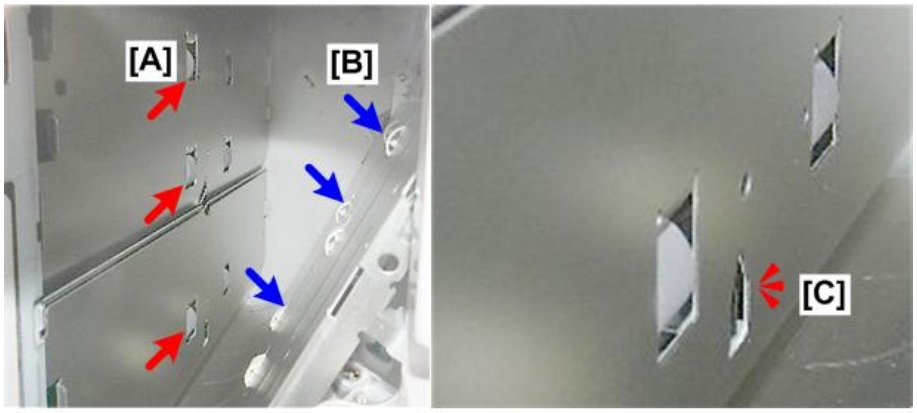
1. Open the right front door.

2. Lower the lever to release the transport plates.



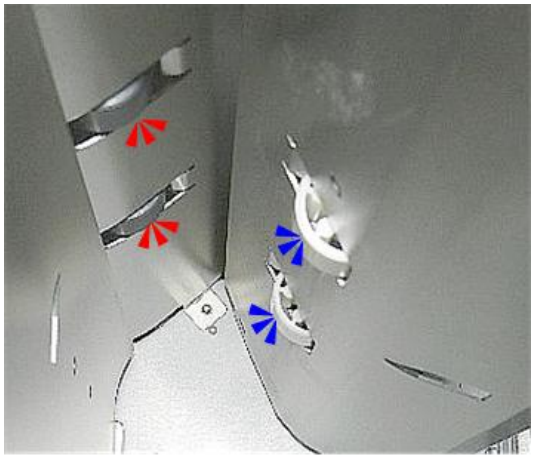
d1791702

3. Use a dry cloth to clean the rollers [A] and the idle rollers [B].
4. Use a blower brush to clean the sensor ports [C].



d1791703

5. Use a dry cloth to clean the exit rollers and idle rollers at the top.

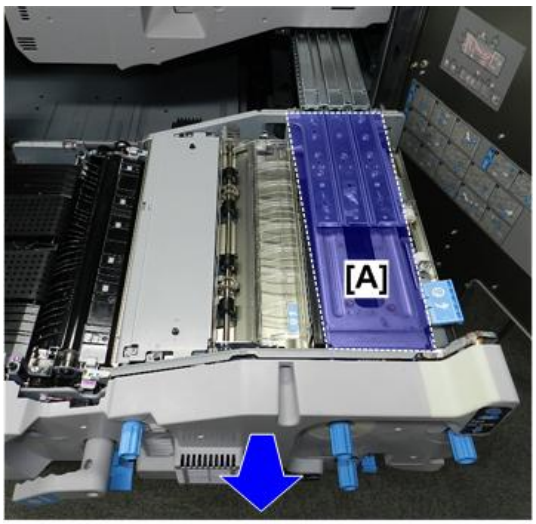


d1791704

Drawer: Right Side

1. Lower both handles and pull the drawer straight out unit it stops.

2. You may need to remove the support rails, in order to do some of these procedures. (Support Rails)



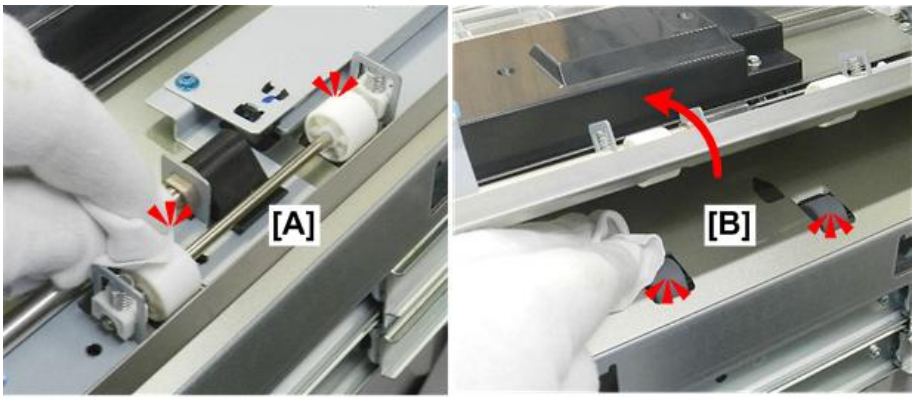
d270b1705

Entrance Rollers

1. At the right edge of the drawer:

   [A] Dry cloth: Idle rollers

   [B] Dry cloth: Entrance rollers

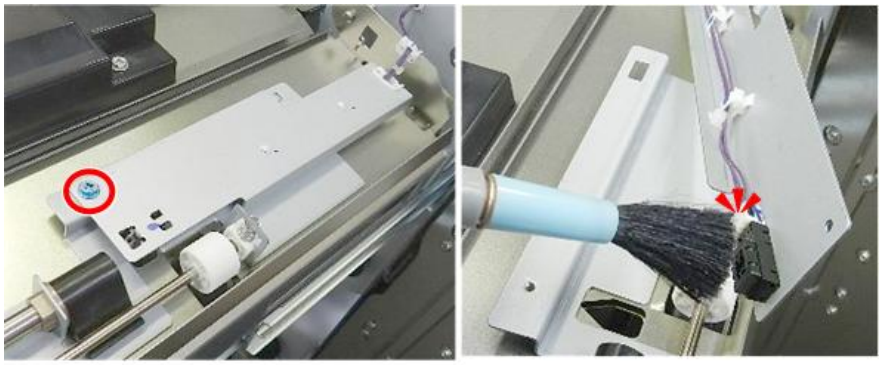


d1791711

LCIT Relay Sensor

1. Remove the support rails. (Support Rails)
2. Disconnect the cover (x1).

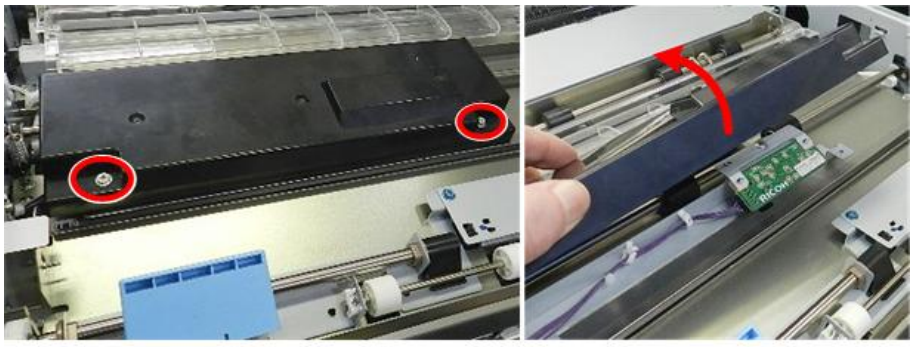
3. Blower brush: photosensor.



d1791706

Double-Feed Sensors, Registration Timing Sensor

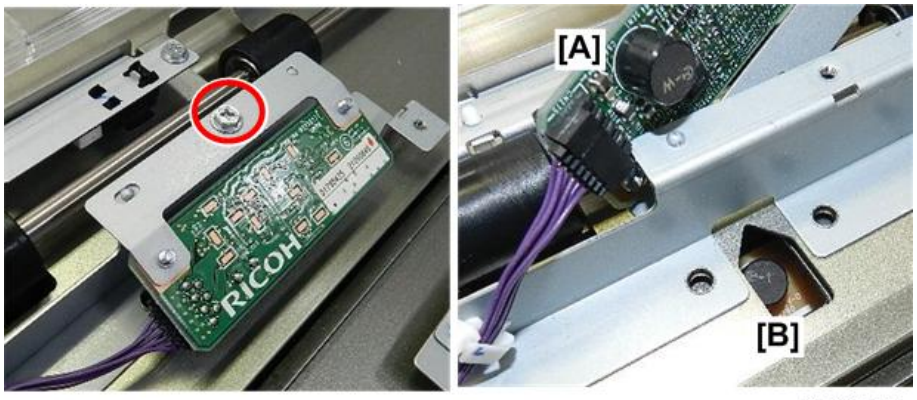
1. Remove the support rails. (Support Rails)
2. Remove the black cover (x2).
3. Disconnect the sensor bracket (x1).



d1791707

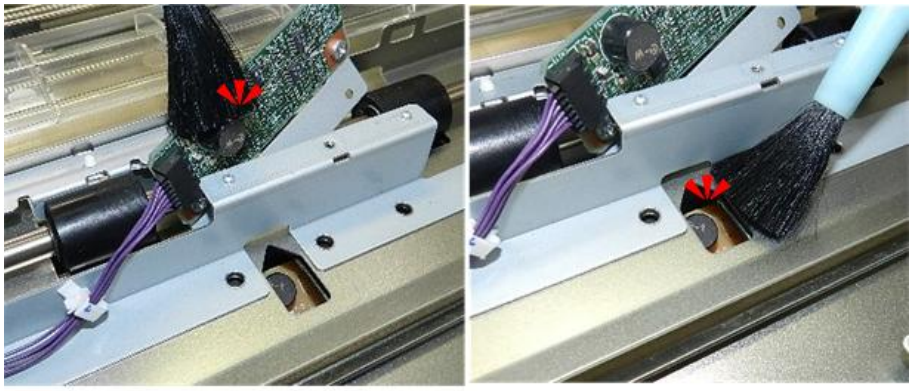
Double-feed Sensors

1. Lift the PCB so that you can see double-feed sensor 2 (receiver) [A] and double-feed sensor 1 (emitter) [B].



d1791708

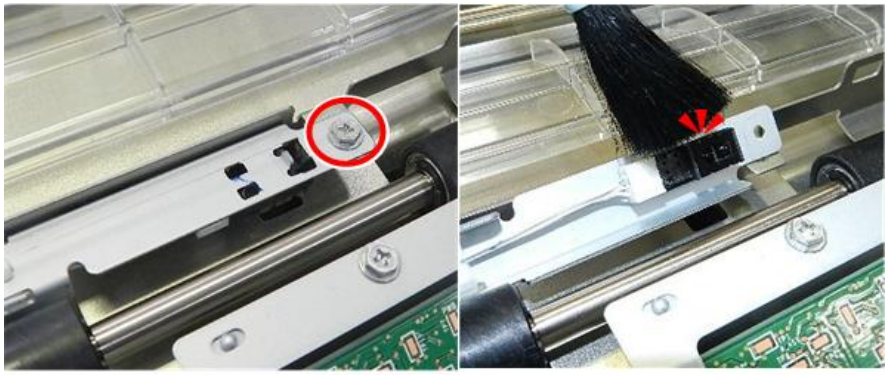
2. Blower brush: both sensors.



d1791709

Registration Timing Sensor

3. Disconnect the sensor bracket (x1).
4. Blower brush: photosensor.



d1791710

Registration Timing Roller

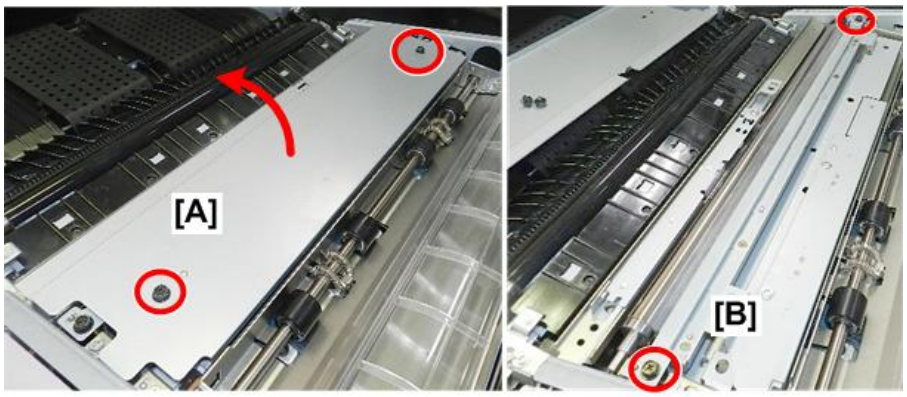
1. Dry cloth: Rollers

d1791717

Dust Collection Tray

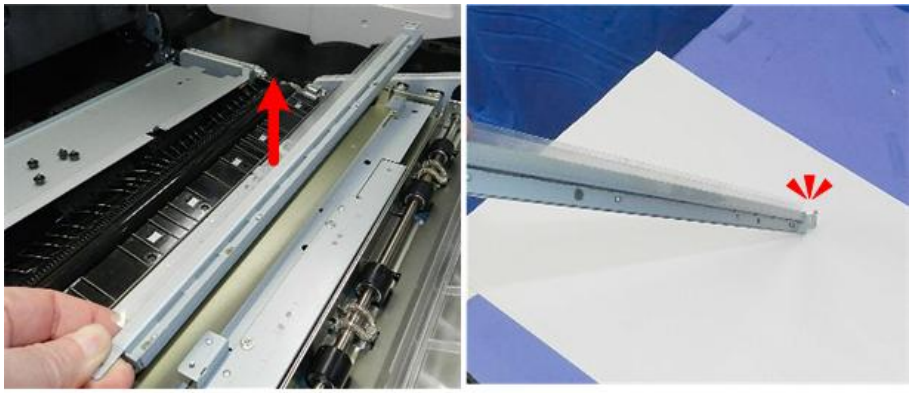
1. Remove the flat plate [A] (x2).

2. Disconnect the dust tray [B] (x2).



d1791712

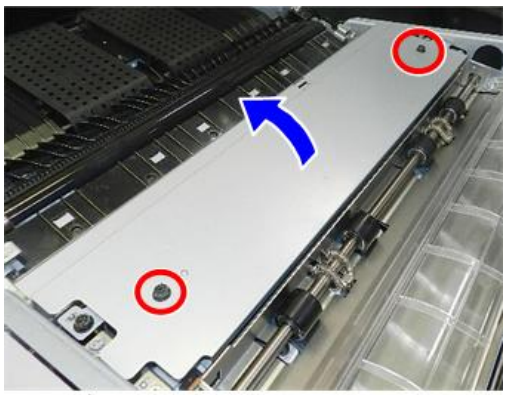
3. Tap the end of the tray on a piece of waste paper.
4. Dry cloth: wipe the tray clean.



d1791713

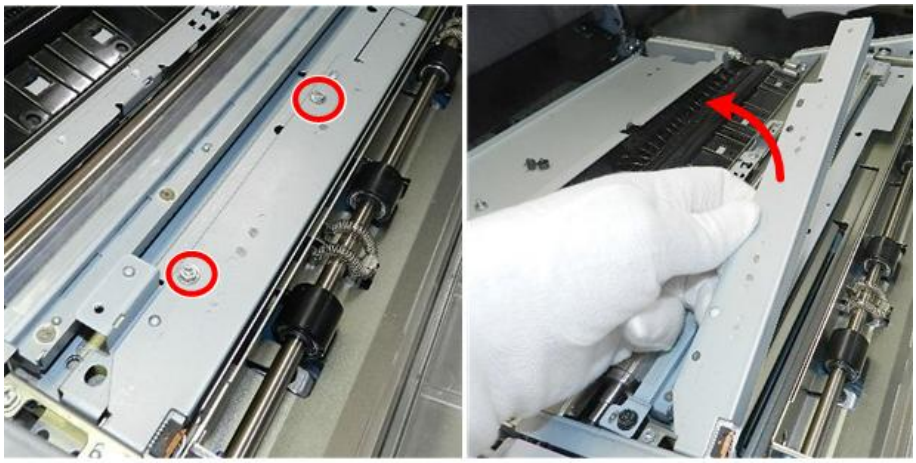
CIS

1. Remove the flat plate (x2).



x2 d270b1712

2. Disconnect the CIS (x2).



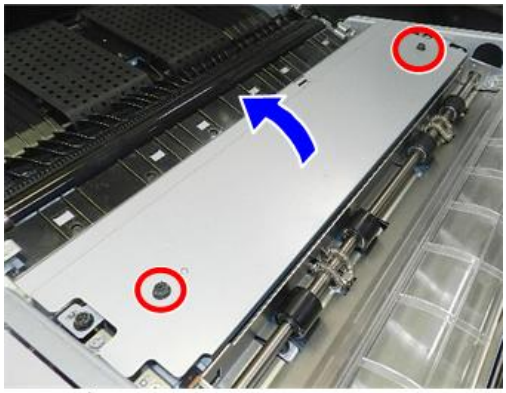
d1791714

3. Lens cloth: Clean the glass.

d1791715

Transfer Timing Sensor

1. Remove the flat plate (x2).



x2 d270b1712

2. Disconnect the sensor bracket (x1).

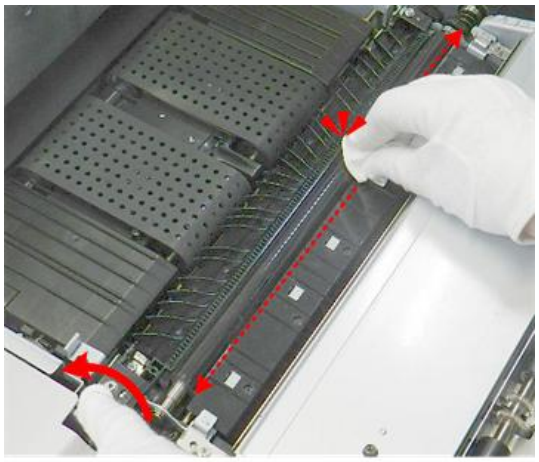
3. Blower brush: Photosensor

d1791716

Drawer: Center

Paper Transfer Roller

1. Turn the gear at the front.
2. Dry cloth: PTR

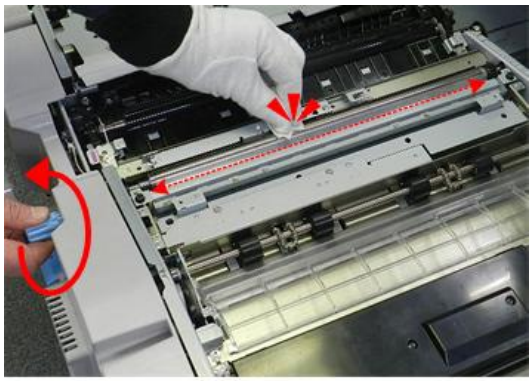


d1791718

Transfer Timing Roller: Upper

1. Turn the gear at the front.

2. Dry cloth: Roller



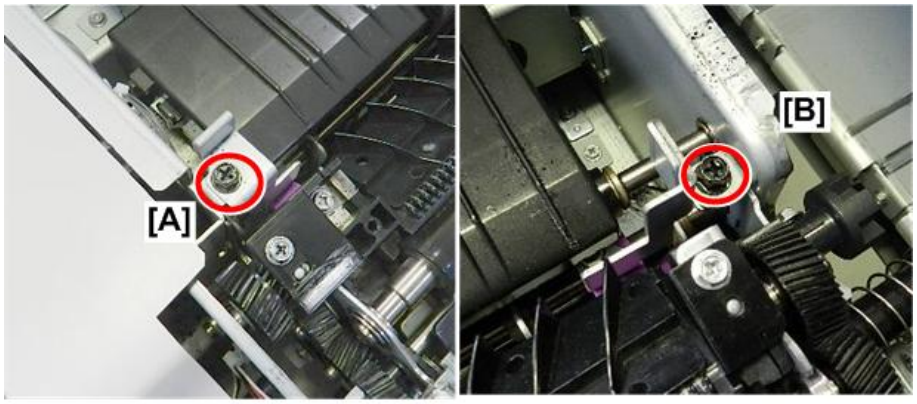
d1791719

Transfer Timing Roller: Lower

1. Disconnect the PTR unit:

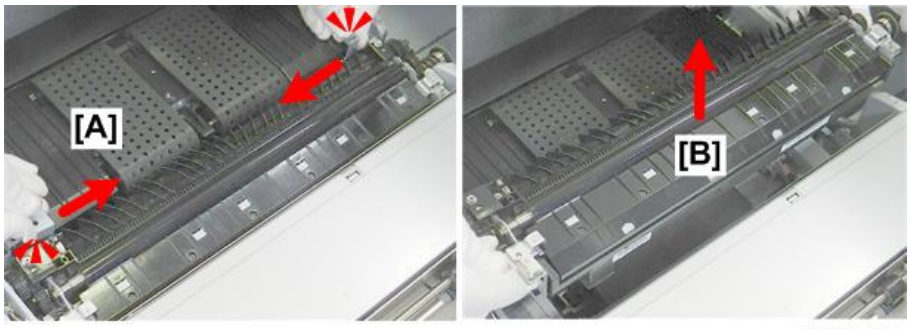
   [A] Front (☆x1)

   [B] Rear (☆x1)



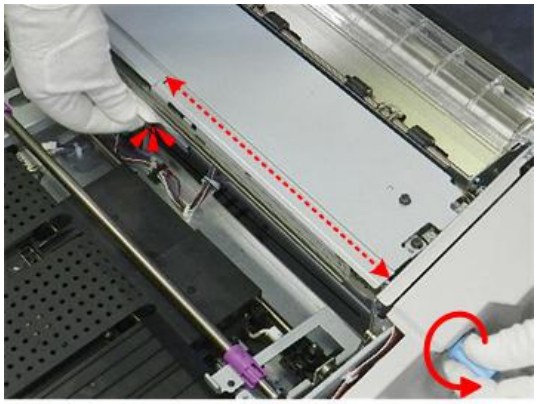
d1791720

2. Push both levers in toward the center [A].
3. Remove the PTR unit [B].



d1791721

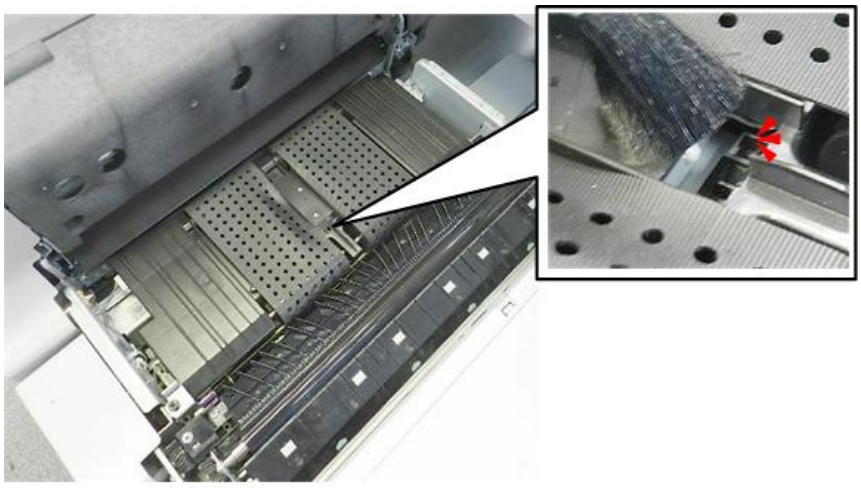
4. Dry cloth: Transfer timing roller. (The roller is up under the edge of the plate.)



d1791722

PTB Sensor

1. Blower brush: Photosensor



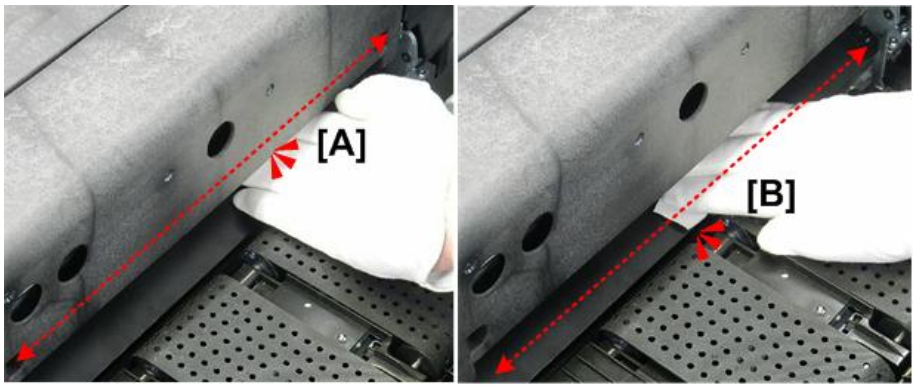
d1791723

Fusing Unit

Entrance Plates

1. Dry cloth: Upper entrance plate [A]

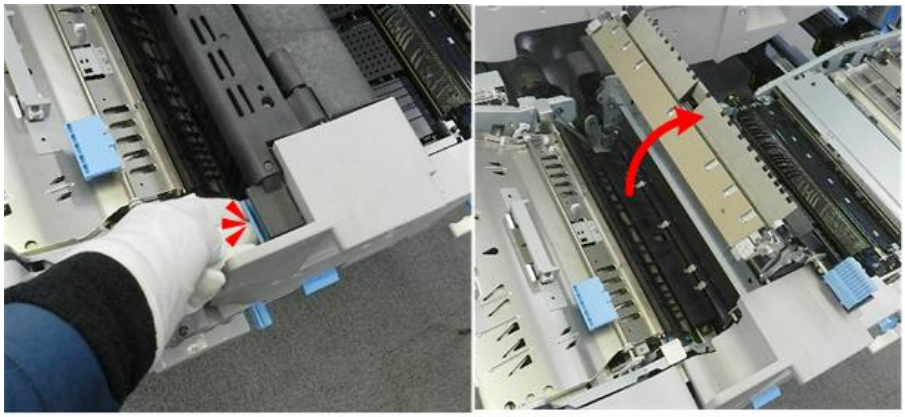
2. Dry cloth: Lower entrance plate [B]



d1791724

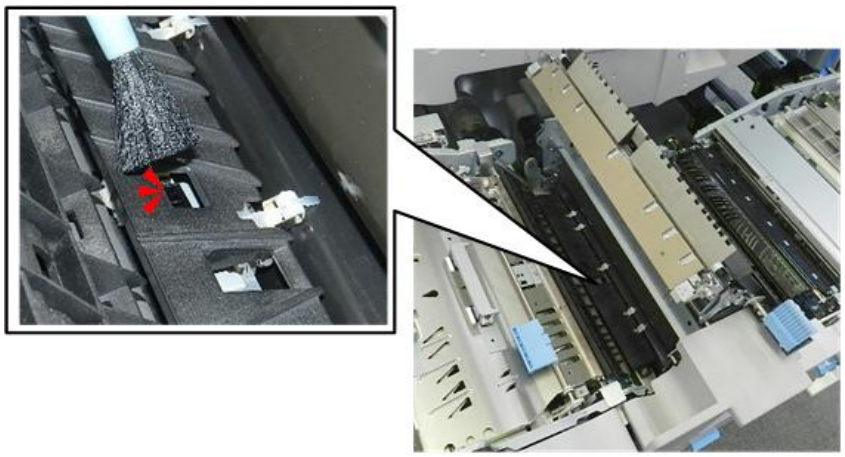
Fusing Exit Sensor

1. Open the fusing unit.



d1791725

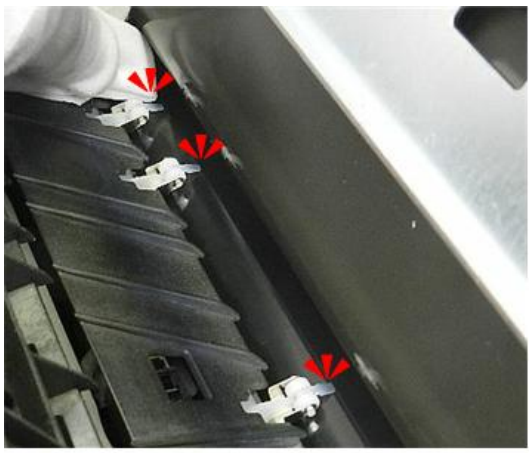
2. Blower brush: Photosensor.



d1791726

Pressure Roller Strippers

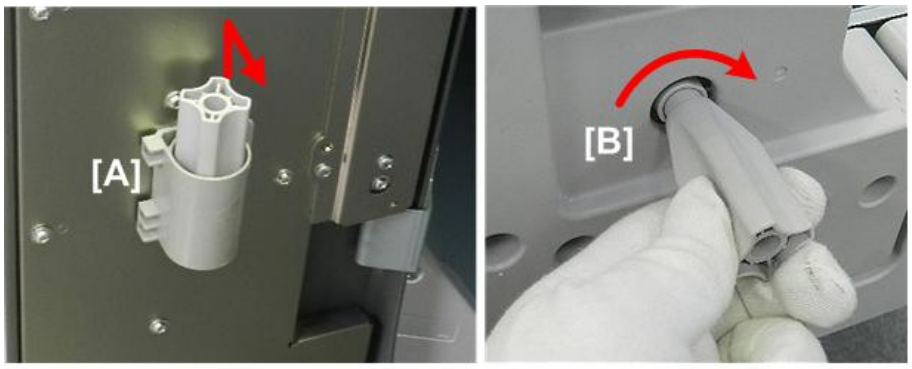
1. Dry cloth: Point of each stripper.



d1791727

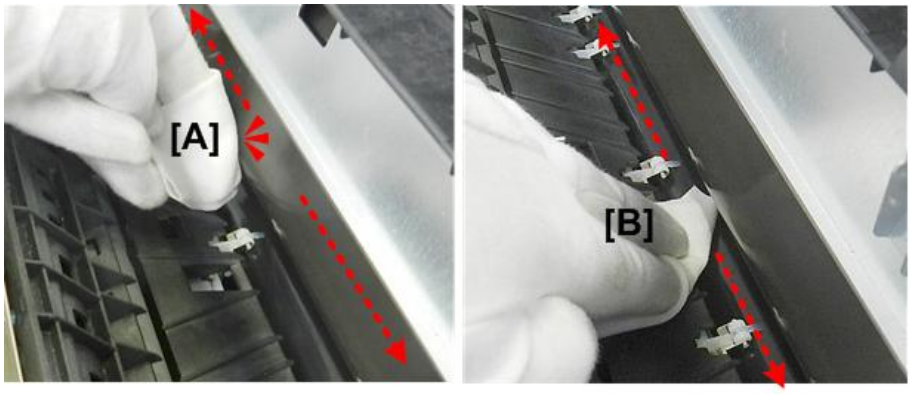
Fusing Belt, Pressure Roller

1. Remove the knob from the holder [A] on the inside of the left front door.
2. Insert the knob [B] into the front of the fusing unit and turn slowly.



d1791728

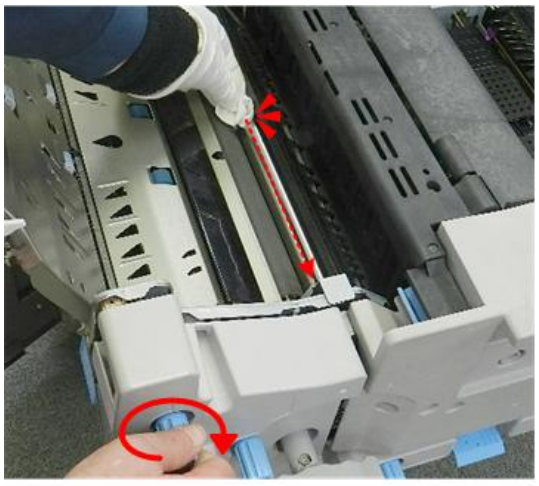
3. Dry cloth: Fusing belt [A]
4. Dry cloth: Pressure roller [B]



d1791729

Cooling Pipe Roller

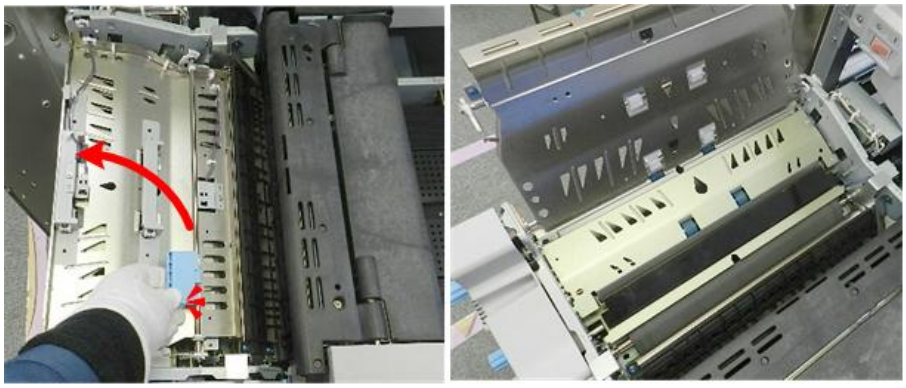
1. Turn the front knob.
2. Dry cloth: Roller



d1791730

Drawer Left: Exit

1. Open the exit cover.

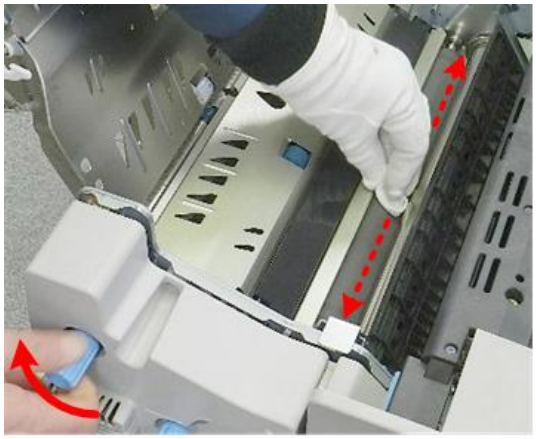


d1791731

Exit Cooling Belt

1. Turn the front knob.

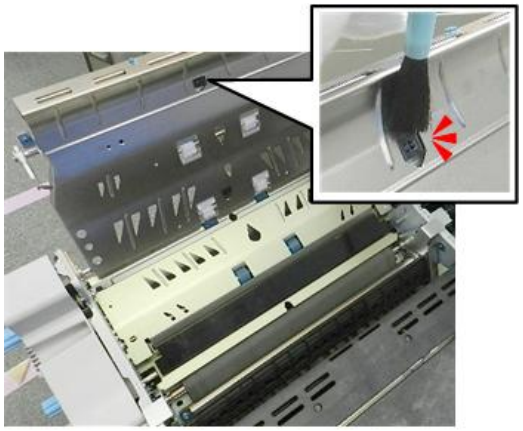
2. Dry cloth: Belt



d1791737

Exit JG Sensor

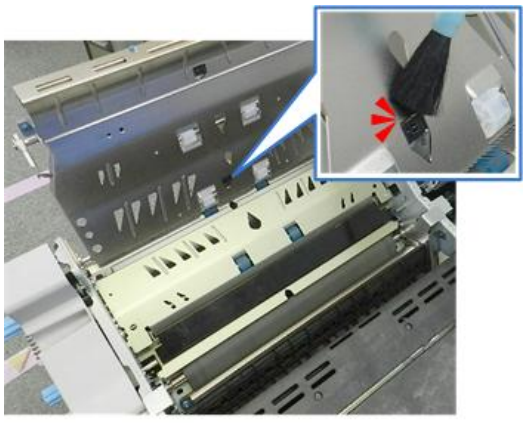
1. Blower brush: Photosensor



d1791732

Exit Sensor

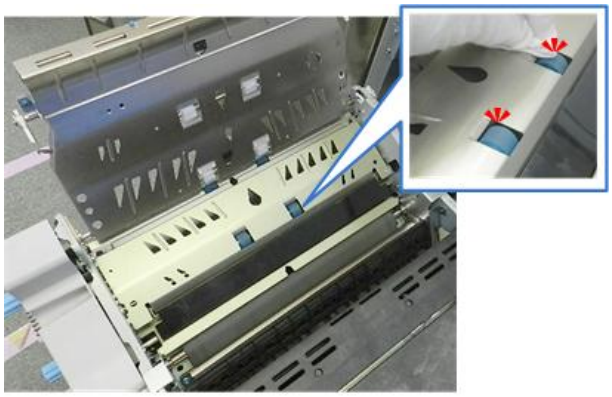
1. Blower brush: Photosensor



d1791733

Exit Relay Rollers

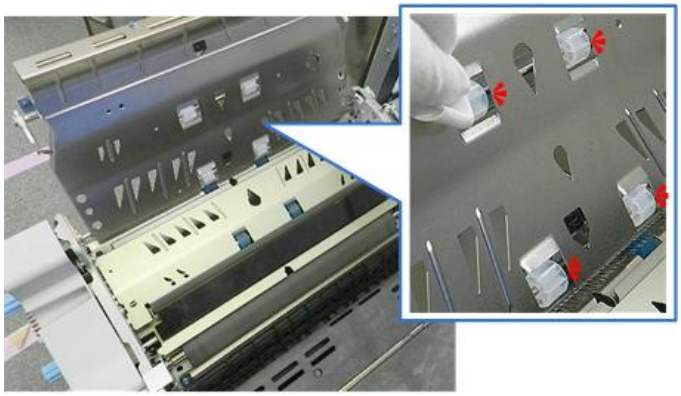
1. Dry cloth: rollers



d1791734

Exit Idle Rollers, Exit Relay Idle Rollers

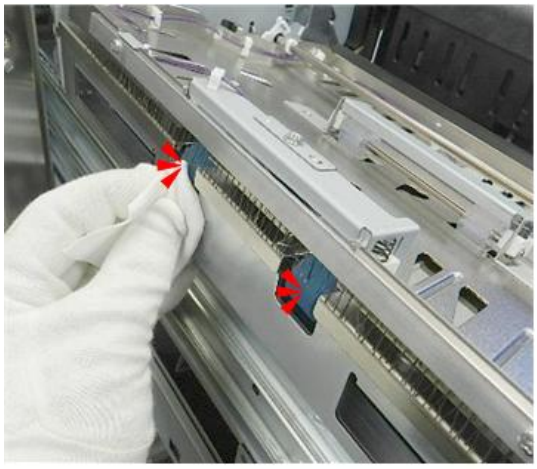
1. Dry cloth: Rollers.



d1791735

Exit Roller

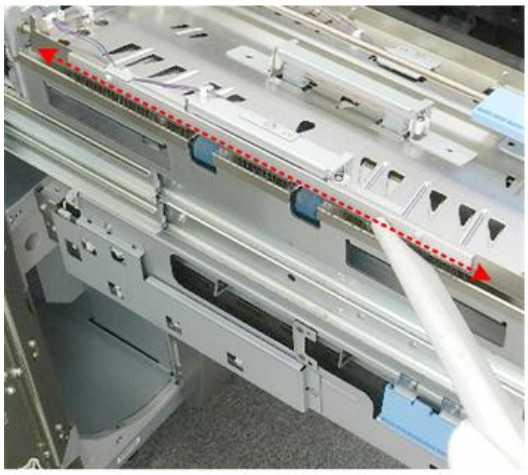
1. Dry cloth: Rollers.



d1791736

Exit Anti-Static Brush

1. Vacuum cleaner (or blower bush) to the top edge of the exit.



d1791738

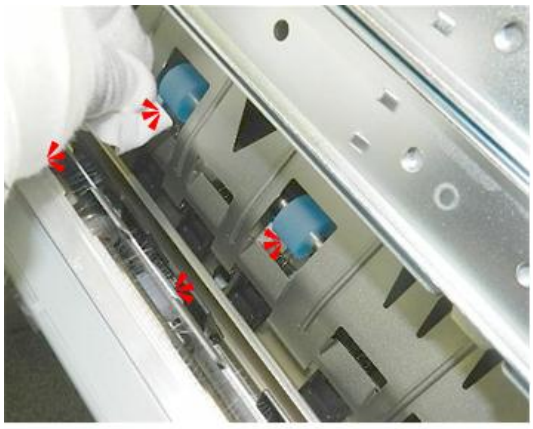
Drawer Left: Invert Unit

1. Open the inverter unit on the left side of the drawer.

d1791739

Invert Rollers

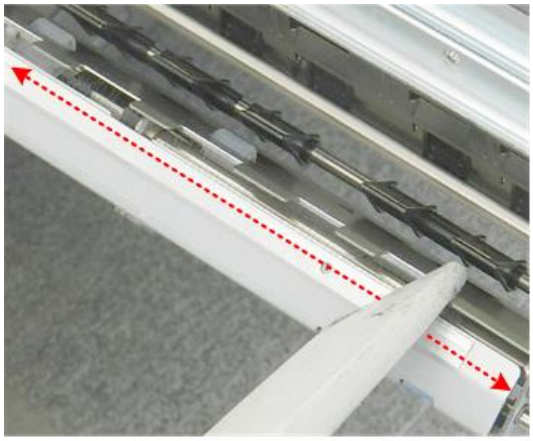
1. Dry cloth: Roller, idle rollers



d1791740

Inverter Anti-Static Brush

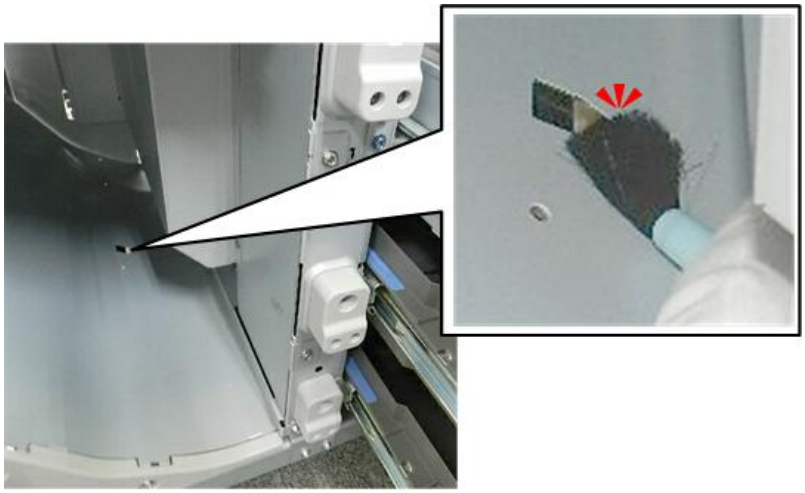
1. Vacuum cleaner (or blower bush): Edge.



d1791741

Purged Paper Sensor

1. Blower brush: Photosensor.



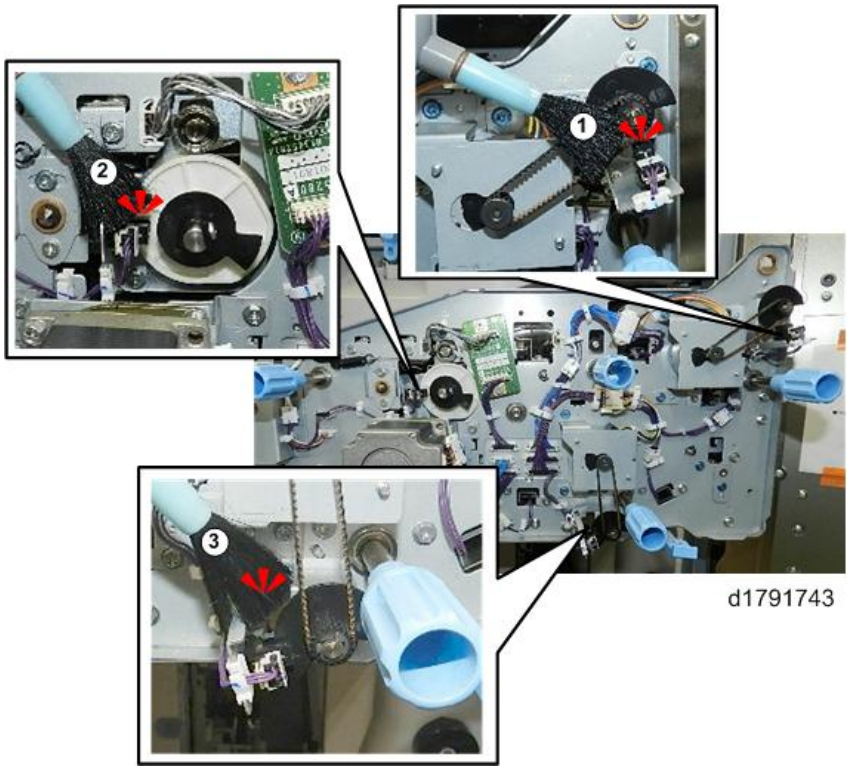
d1791742

Drawer: Front Covers Off

1. Disconnect the left front cover of the drawer, and then remove it (x2).
2. Disconnect the right front cover of the drawer, and then remove it (x4).

LCIT, Registration Roller, Main Relay HP Sensors

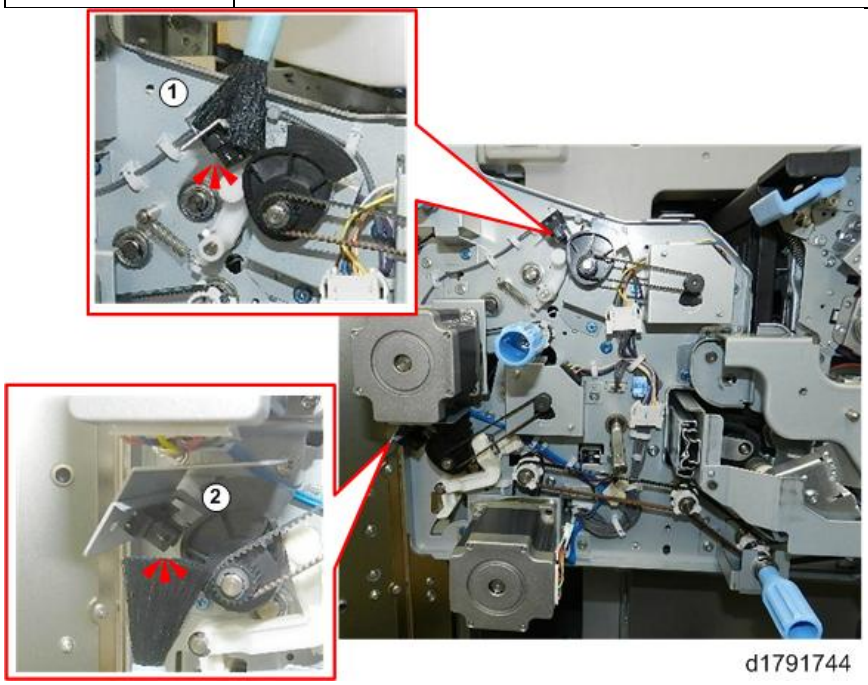
①	LCIT HP Relay Sensor
②	Registration Roller HP Sensor
③	Main Relay HP Sensor



1. Blower brush: Each interrupt sensor

Exit JG, Invert Exit HP Sensors

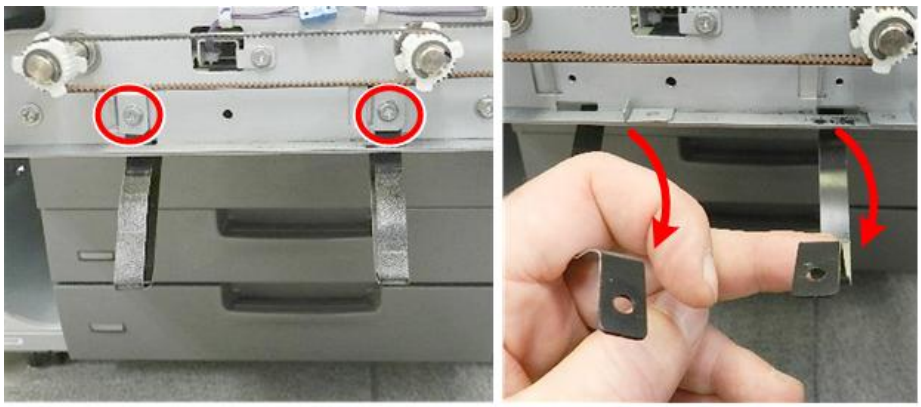
①	Exit JG HP Sensor
②	Invert Exit HP Sensor



1. Blower brush: Each interrupt sensor

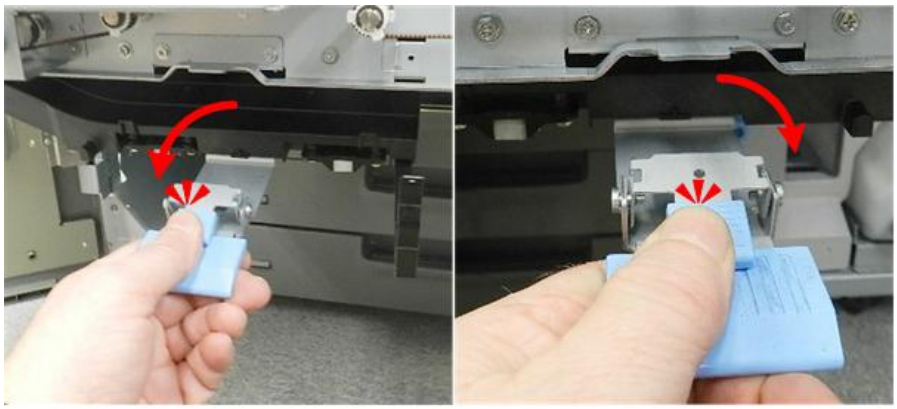
Transport Rollers, Sensors

1. At the front edge of the drawer, disconnect the strap clamps and straps (x2).



d1791745

2. Slowly, lower the bottom covers of the transport path.



d1791746

3. Allow both covers to hang vertically.

d1791747

4. There are exposed rollers and sensor ports on the right bottom cover.

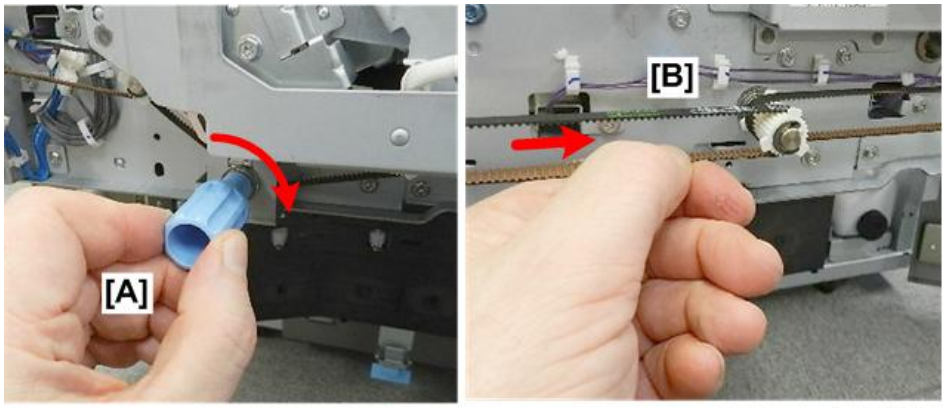
d1791748

5. Dry cloth: Rollers
6. Blower brush: Photosensors (marked by arrows).
7. There are exposed rollers and sensor ports on the left bottom cover.

d1791749

8. Dry cloth: Rollers
9. Blower brush: Photosensors (marked by arrows).
10. Turn the knob [A] to rotate the rollers of the left bottom plate as you clean them.
11. Rotate the gears and belts [B] on the front of the drawer to rotate the rollers of the right bottom plate as you

clean them.

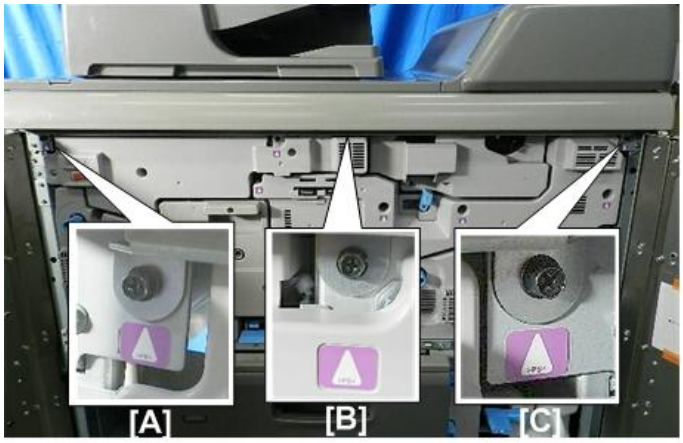


d1791750

Toner Shield Glass

The toner shield glass should be inspected and cleaned.

1. Disconnect the front edge cover at the three points [A], [B], [C] (x3).

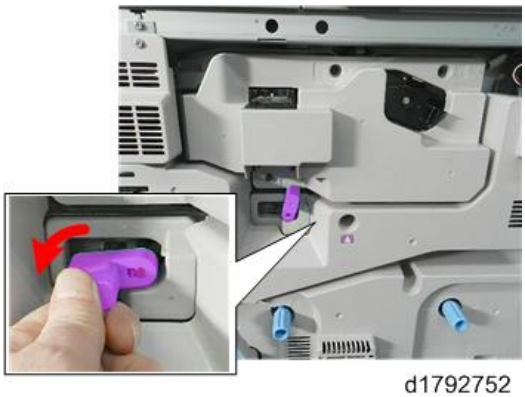


d1792750

2. Remove the front edge cover.

d1792751

3. Lower the image transfer belt.

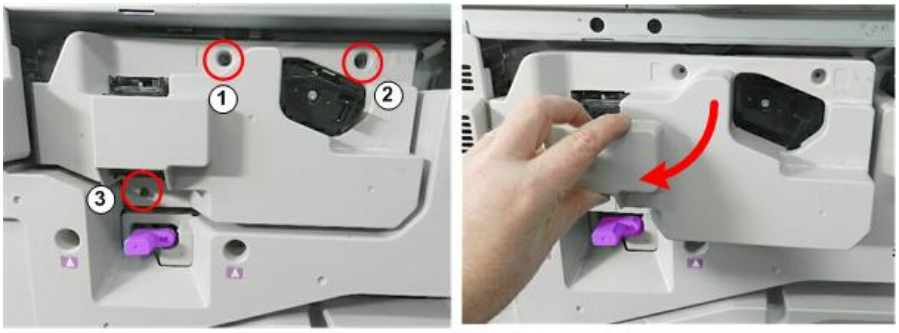


d1792752

4. Remove the PCDU cover (x3).

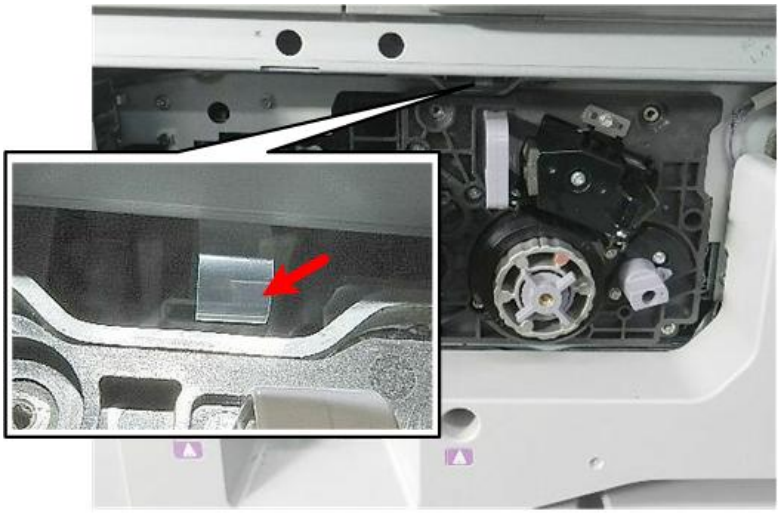
Important

- The screws can be removed in any order, but they must be re-installed in the order ① ② ③.



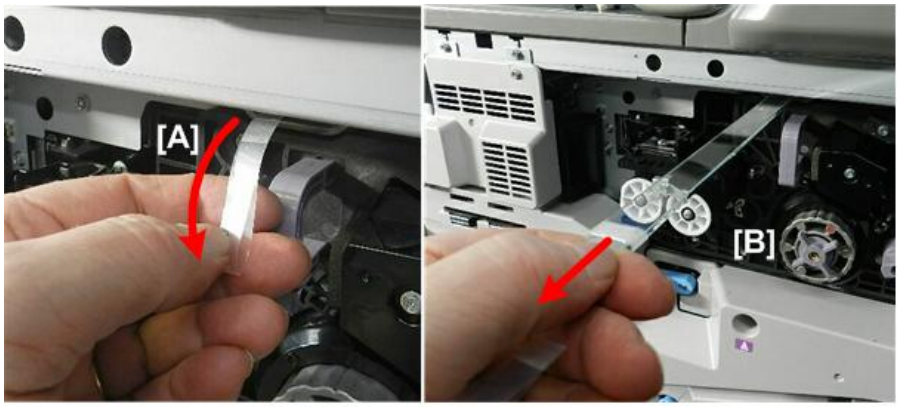
d1792753

5. Locate the plastic strip.



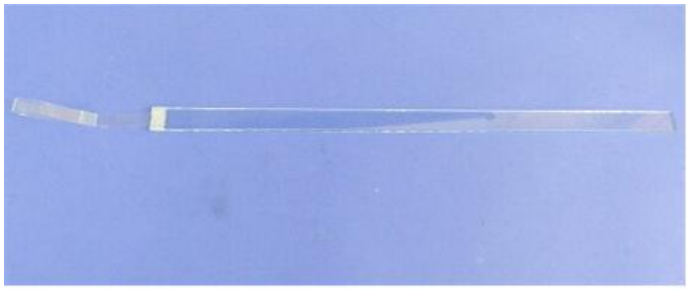
d1792754

6. Pull out the strip [A], and then slowly pull it to remove the toner shield glass [B].



d1792755

7. Lay the toner shield glass on a flat clean surface for inspection and cleaning with a lens cloth.



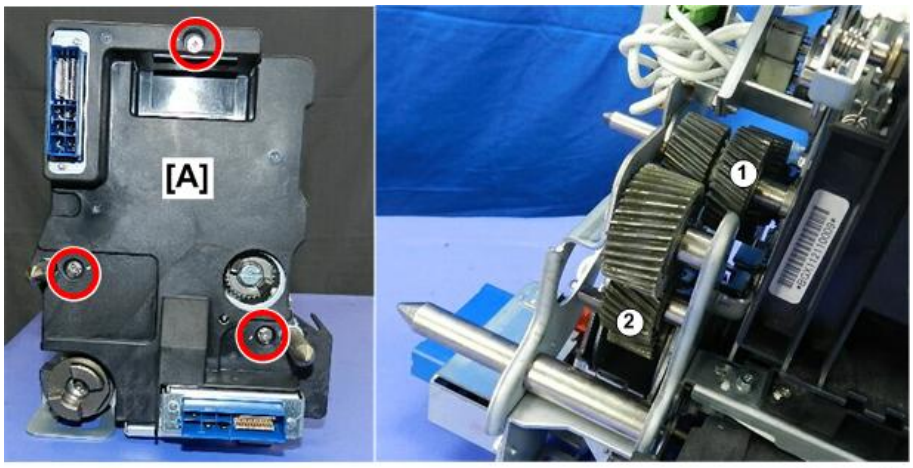
d1792756

Lubrication Points

Fusing Unit

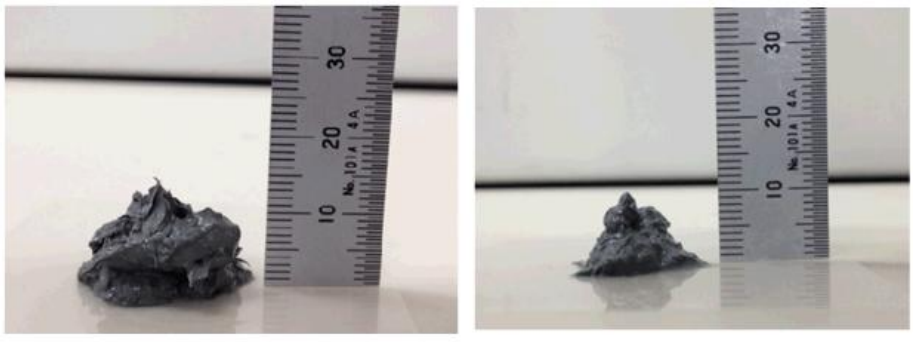
Drive Gears

1. Remove the fusing unit.
2. Remove the rear plate [A] (x3).
3. Apply Fluotribo MG Grease to drive gears ① and ②.
   - Apply 1.5±0.3 g to ①
   - Apply 4±0.8 g to ②



d1793811

4. While rotating the gear, lubricate the small gear and all teeth of the circled gear.
5. Make sure that grease is applied to all the gears.
6. The photo below shows the maximum and minimum amounts of lubricant to use.
   - Maximum Fluotribo MG Grease 4.0g (on the left)
   - Minimum Fluotribo MG Grease 1.5g (on the right)



d1355209

Heating Roller, Hot Roller Bearings

1. Separate the bearings and flanges.

d1803804

2. Use a small brush to apply Fluotribo MG Grease to the inner surfaces of the flanges and bearings.

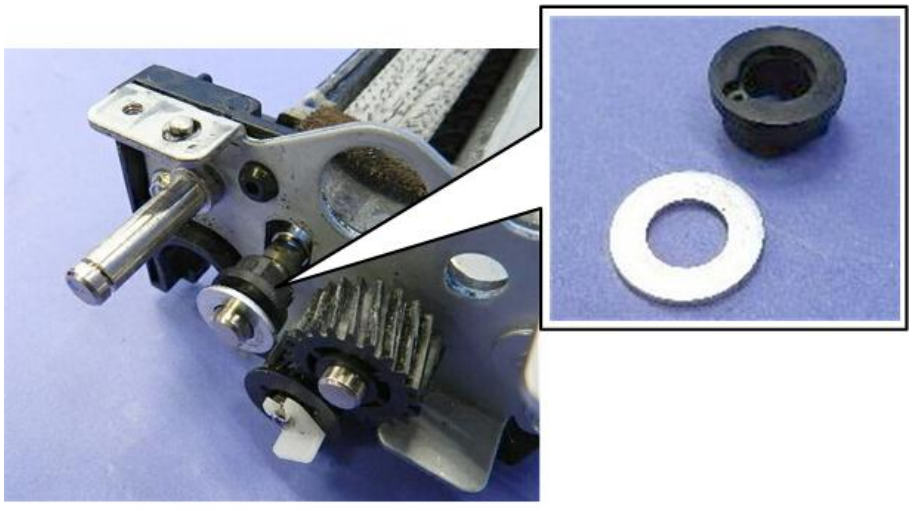
d1803805

PTR Unit

1. This bushing and washer require lubrication with Barrierta S552R.

Note

- In the steps below, the left photo illustrates the minimum amount applied, and the right photo the maximum amount applied.



d1793752

2. First, lubricate the sleeve of the bushing with 0.02 to 0.04 g of grease.

Note

- The grease in the foreground illustrates the total amount to be applied to the entire bushing, not just the sleeve.

d1793753

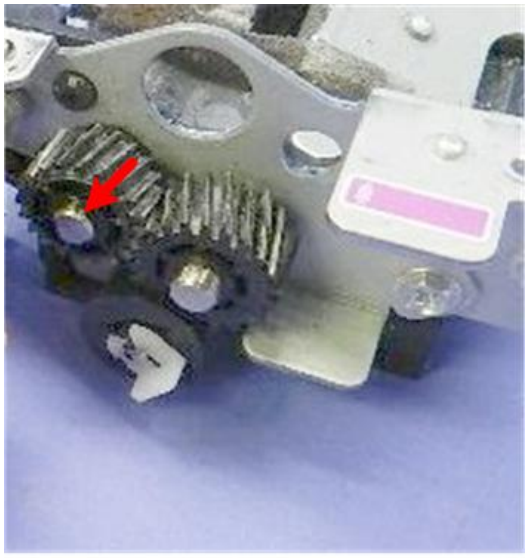
3. Next, apply grease to the face of the bushing flange.

d1793754

4. Finally, apply grease to the washer.

d1793755

5. After setting the washer and bushing on the shaft, apply a small amount of grease to the tip of the shaft.



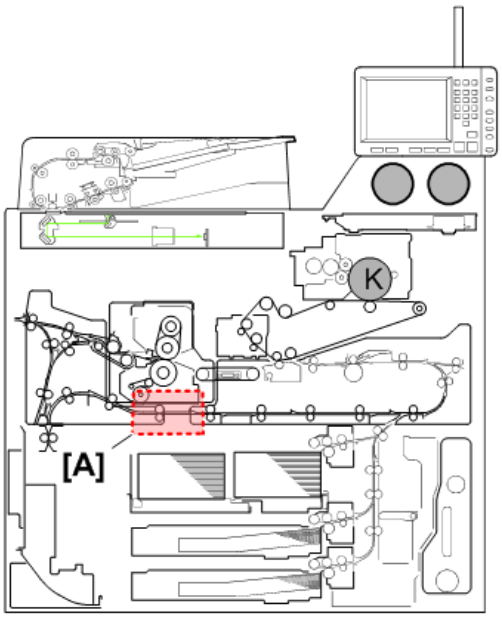
d1793756

Routine Cleaning at PM Visits

The following locations should be inspected and cleaned by the service technician at each PM visit to prevent toner scattering and other problems that could affect print quality.

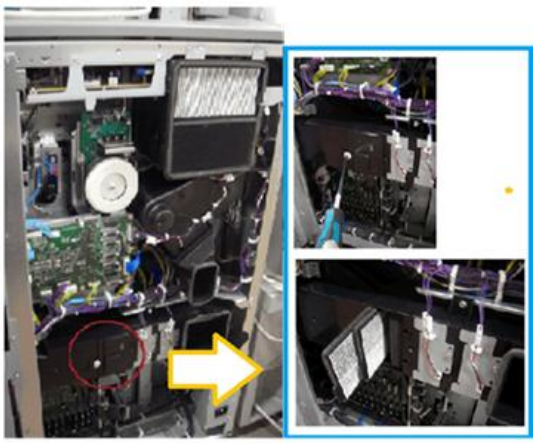
Below the Fusing Unit

Inspect and clean at [A] to remove toner scattering and spillage which could affect the quality of image development.



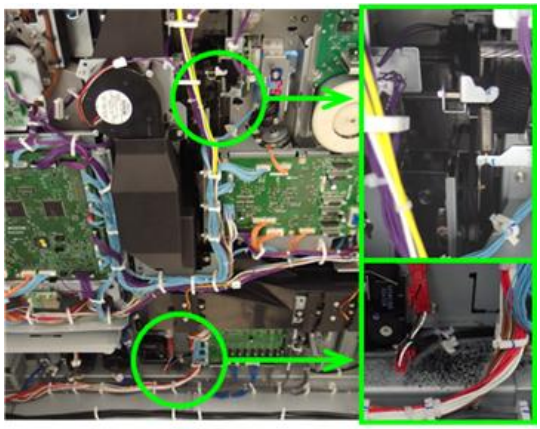
d270d3201

1. Use a vacuum cleaner to clean the dust filter. Replace if necessary.



d270d3204

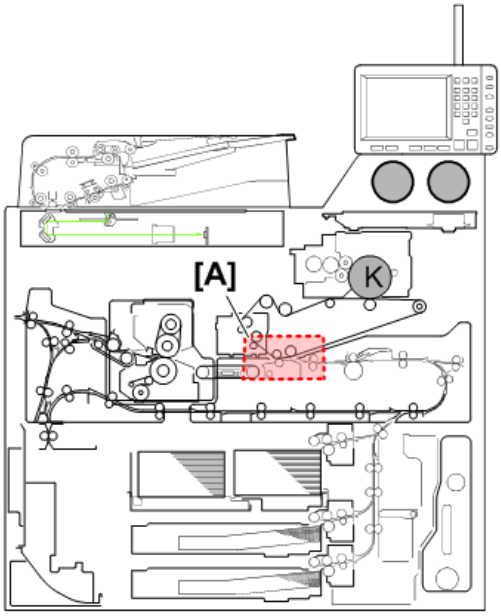
2. Use a clean dry cloth, blower brush, or vacuum cleaner to remove any scattered toner.



d270d3205

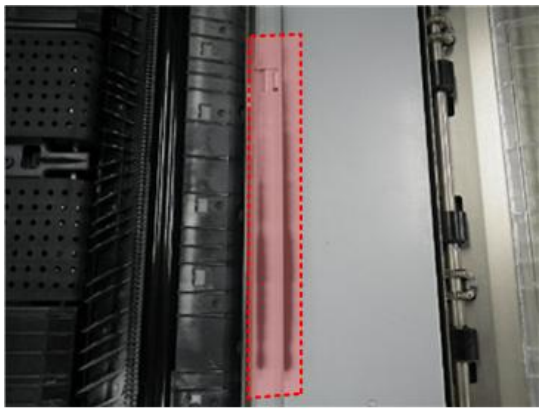
Registration Cover

Inspect and clean at [A] around the registration cover.



d270d3202

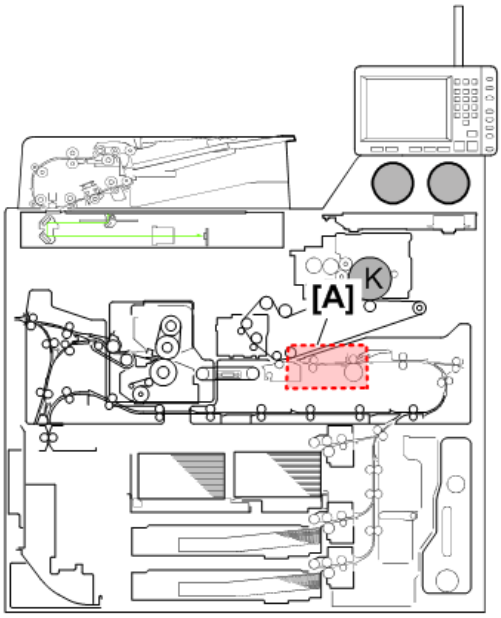
1. Use a clean cloth or vacuum cleaner to clean away any loose toner, paper dust, etc.



d270d3206

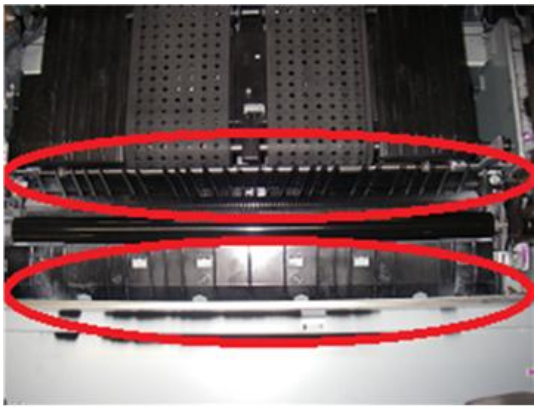
CIS Area

Inspect and clean at [A] to prevent white spots and stains on the back sides of printed sheets. This will also prevent the following jam codes from occurring: J049, J050, J080.



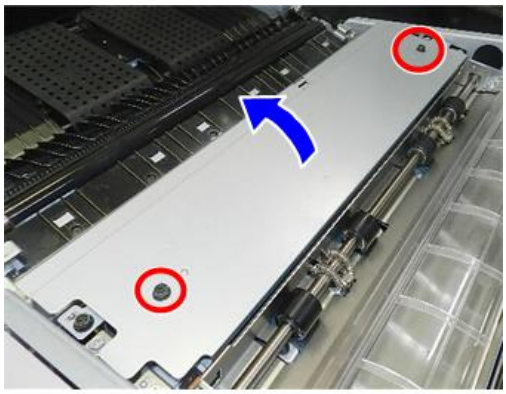
d270d3203

1. Use a clean cloth, blower brush, or vacuum cleaner, to carefully clean the area shown (transfer roller guide plate, paper transfer roller entrance, exit guide plate) to remove scattered toner, paper dust, etc.



d270d3207

2. Remove the plate (x2).

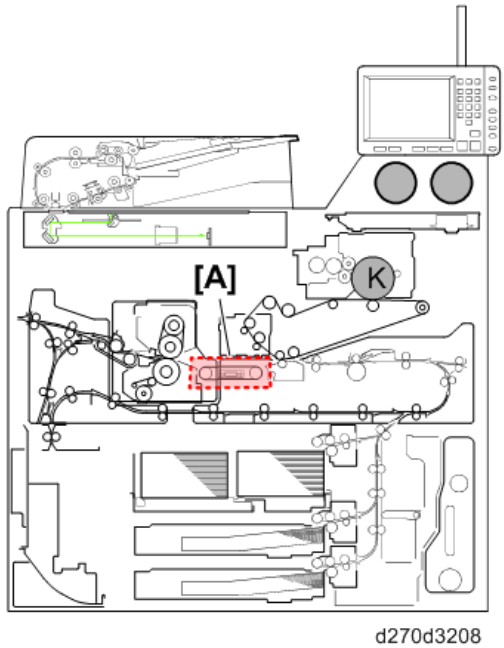


d270b1712a

3. Empty the dust collect tray, clean the CIS, and then clean the transfer timing sensor.
   - Dust Collection Tray)
   - (CIS)
   - (Transfer Timing Sensor)

PTB Unit Area

Inspect and clean [A] around the PTB unit to prevent poor image quality on the front surfaces and edges of printed sheets.



d270d3208

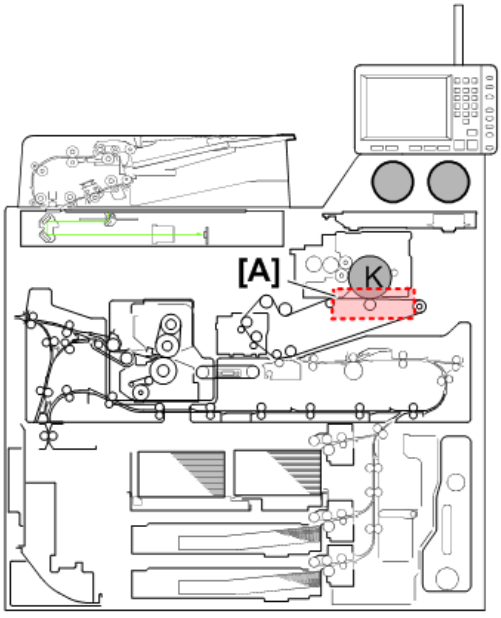
1. Use a clean cloth, blower brush, or vacuum cleaner to remove scattered toner, paper dust, etc. from around

the fusing unit entrance guide, paper transfer belt, and guide ribs.

d270d3212

Development Unit Stay

Inspect and clean at [A] (the stay below the development unit).



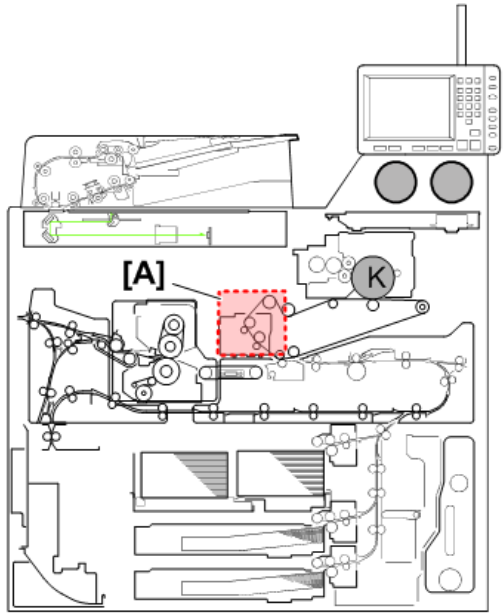
d270d3209

1. Pull out the PCDU. You do not need to remove it. (PCDU Removal)
2. Use a clean cloth, blower brush, or vacuum cleaner to clean the stay on the bottom of the development unit.

d270d3213

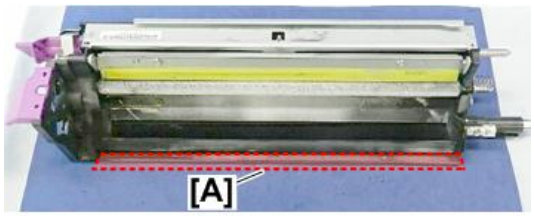
ITB Cleaning Unit Components

Remove, inspect, and clean the ITB unit [A].



d270d3210

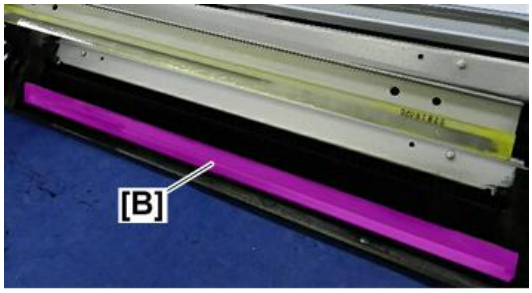
1. Remove the ITB cleaning unit. (ITB Cleaning Unit)
2. Clean the raised edge [A].



d270d3214

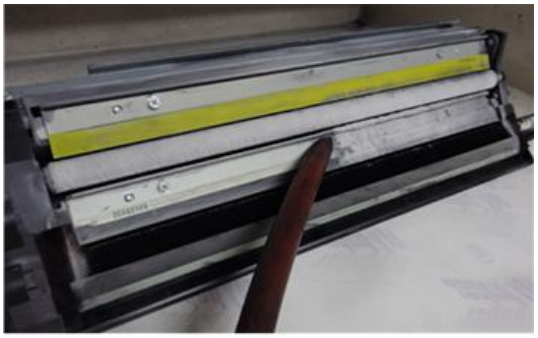
Note

The entrance seals are fragile. Always work carefully to avoid damaging these seals. If the seals are damaged or become loose, this could cause toner scattering.



d270d3215

3. Use a vacuum cleaner to remove paper dust and toner from the edge of the cleaning blade.



d270d3216

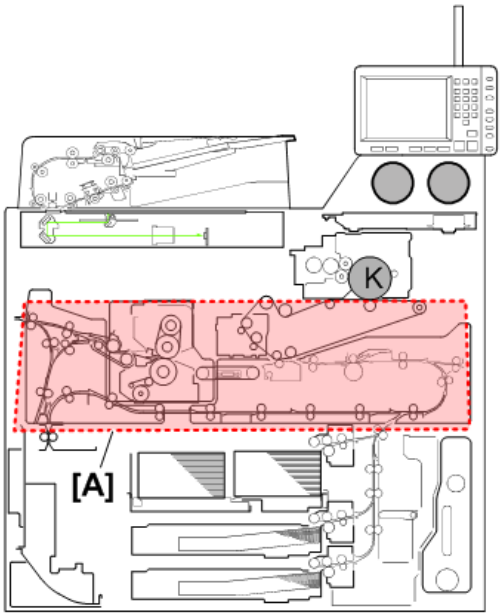
Note

Work carefully to avoid nicking the edge of the cleaning blade.

When you re-install the unit, check the side seals on each end of the unit. Confirm that they are tight and undamaged.

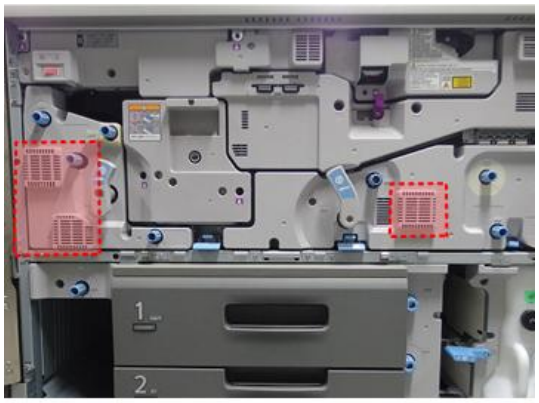
Drawer Paper Path

Inspect and clean [A] to prevent toner scattering in the paper path.



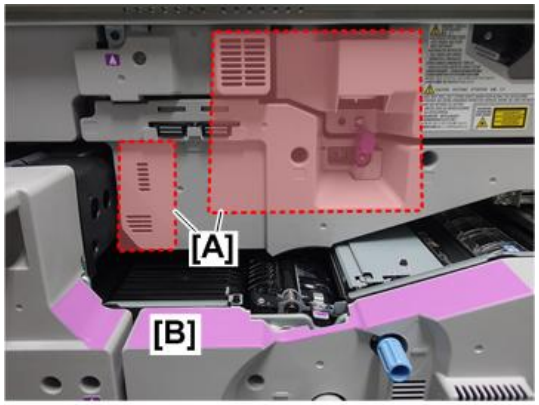
d270d3211

1. Clean the intake ducts near the left and right drawer release levers.



d270d3217

2. Lower the levers and open the drawer slightly.
3. Clean the ducts and surfaces [A] near the ITB lever, and the flat surfaces [B] next to the PTB unit.



d270d3218

4. Push the drawer into the machine when you are finished, but before you close the front doors, use a clean damp cloth to dust the front of the machine to discharge any accumulated static charge.

4. Replacement and Adjustment

General Cautions

Power On/Off

- Never turn off the power switch while the machine is operating.
- Switching the machine off during operation could damage the transfer belt, drum, development unit, or other units when they are pulled out of or put back into the main machine.

Drum

An organic photoconductor (OPC) drum is sensitive to light. Follow the cautions below when handling an OPC drum.

1. Never expose the drum to direct sunlight.
2. Never expose the drum to artificial light of more than 1,000 Lux for more than a minute.
3. Never touch the drum surface with bare hands. When the drum surface is touched with a finger or becomes dirty, wipe it with a dry cloth or clean it with wet cotton. Wipe with a dry cloth after cleaning with wet cotton.
4. Never use alcohol to clean the drum; alcohol dissolves the drum surface.
5. Store the drum in a cool, dry place away from heat.
6. Take care not to scratch the drum, because the drum layer is thin and is easily damaged.
7. Never expose the drum to corrosive gases such as ammonia gas.
8. Always keep the drum in the protective sheet when keeping the drum unit, or the drum itself, out of the main machine. This avoids exposing it to bright light or direct sunlight, and will protect it from light fatigue.
9. Dispose of used drums in accordance with local regulations.
10. When installing a new drum, execute **SP2962** (Auto Process Control Execution).

Drum Unit

1. Before pulling out the drum unit, place a sheet of paper under the drum unit to catch toner spill.
2. Make sure that the drum unit is set in position and the drum stay is secured with a screw before the main switch is turned on. If the drum unit is loose, poor contact of the drum connectors may cause electrical noise, resulting in unexpected malfunctions (RAM data change is the worst case).
3. To prevent drum scratches, remove the development unit before removing the drum unit.

Image Transfer Belt Unit

1. Never touch the ITB surface with bare hands.
2. Take care not to scratch the transfer belt, because the surface is easily damaged.
3. Before installing the new transfer belt, clean all the rollers and the inner part of the transfer belt with a dry

cloth to prevent the belt from slipping.

Scanner Unit

1. When installing the exposure glass, make sure that the guide mark at the rear left corner.
2. Clean the exposure glass with alcohol or glass cleaner to reduce the amount of static electricity on the glass surface.
3. Use a cotton pad or optical cloth to clean the mirrors and lens.
4. Do not bend or crease the exposure lamp flat cable.
5. Never disassemble the lens block unit. This will put the lens and the copy image out of focus.
6. Do not turn any of the CCD positioning screws. This will put the CCD out of position.

Laser Unit

1. Never loosen the screws that secure the LD drive board to the laser diode casing. This will put the LD unit out of adjustment.
2. Never attempt to adjust the variable resistors on the LD unit. They are pre-adjusted at the factory.
3. The polygon mirror and F-theta lenses are very sensitive to dust. Never open the optical housing unit.
4. Never the glass surface of the polygon mirror motor unit with bare hands.
5. After replacing the LD unit, do the laser beam pitch adjustment. Otherwise, an SC condition will be generated.

Charge Corona

1. Clean the corona wires with a dry cloth. Never use sandpaper or solvent.
2. Clean the charge corona casing with water first to remove NOx based compounds. Then clean it with alcohol if any toner still remains on the casing.
3. Clean the end block with a blower brush first to remove toner and paper dust. Then clean with alcohol if any toner still remains.
4. Never touch the corona wires with bare hands. Oil stains from fingers may cause uneven image density on copies.
5. Make sure that the wires are correctly between the cleaner pads and that there is no foreign material (iron filings, etc.) on the casing.
6. When installing new corona wires, do not bend or scratch the wire surface. Doing so may cause uneven charge. Also be sure that the corona wires are correctly positioned in the end blocks.
7. Clean the grid plate with a blower brush (not with a dry cloth).
8. Never touch the charge grid plate with bare hands. Also, do not bend the charge grid plate or make any dent in it. Doing so may cause uneven charge.

Development

1. Always work carefully to avoid nicking or scratching the development roller.

2. Place the development unit on a sheet of paper after removing it from the main machine.
3. Never disassemble the development roller assembly. The position of the doctor blade is set with special tools and instruments at the factory to ensure the proper gap between the doctor blade and the development roller.
4. Clean the drive gears after removing used developer.
5. Dispose of used developer in accordance with local laws.
6. Never load types of developer and toner into the development unit other than specified for this model. Doing so will cause poor copy quality and toner scattering.
7. After the development unit has been completely filled with fresh developer and the counter has been reset to zero, the machine initializes the TD sensor automatically as soon as the front doors are closed. After the TD sensor has been initialized, the machine will automatically execute process control. If a problem occurs during either initialization phase, the machine will issue an SC code. Refer to the SC code table to solve the problem. After correcting the problem, execute SP3030-001 to initialize the TD sensor, and then do SP3011-002 to execute initial process control.
8. When using a vacuum cleaner to clean the development unit casing, always ground the casing with your fingers to avoid damaging the toner density sensor with static electricity.

Cleaning

1. When servicing the drum cleaning section, be careful not to damage the edges of the drum cleaning blade and 2nd cleaning blade.
2. Do not touch the cleaning blade with bare hands.
3. Before disassembling the cleaning section, place a sheet of paper under it to catch any toner falling from it.

Fusing Unit

1. After installing the fusing thermistor, make sure that it is in contact with the hot roller and that it is movable.
2. Be careful not to damage the edges of the hot roller strippers or their tension springs.
3. Do not touch the fusing lamp and rollers with bare hands.
4. Make sure that the fusing lamp is positioned correctly and that it does not touch the inner surface of the hot roller.

Paper Feed

1. Do not touch the surface of the pick-up, feed, and separation rollers.
2. To avoid paper misfeeds, the side fences and end fence of the paper tray must be positioned correctly to align with the actual paper size.

Used Toner

1. We recommend checking the amount of used toner at every EM.
2. Dispose of used toner in accordance with local regulations. Never throw toner into an open flame, because toner dust may ignite.

Cautions for This Machine

⚠WARNING

- Before servicing the machine turn it off and disconnect it from its power source.
- Always wait at least 10 minutes for residual charge on the PSU boards and the AC drive board to disperse before removing the rear cover of the machine.
- Residual charge can remain in the condensers of the PSU boards, even after the machine has been switched off and disconnected from its power source.
- When working around the PSU or AC drive boards with the back cover off the machine, take extra precautions to avoid the danger of electrical shock.
- Avoid touching the PSU or AC drive boards with your bare hands or metal tools.

⚠CAUTION

- To prevent damage to the ITB, drum, or development unit when removing them or putting them back into the machine, never switch off the main power switch or operation power switch while the machine is operating.

General

Screws

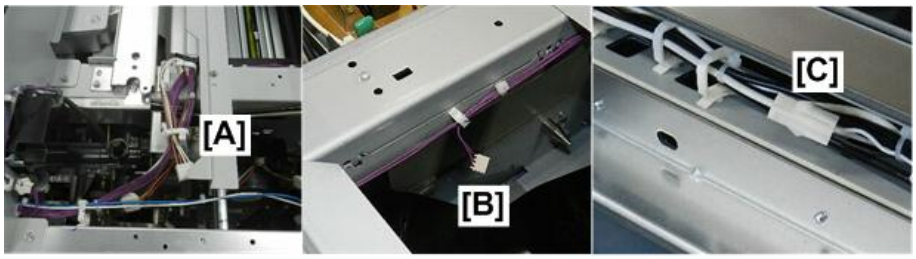
There are two types of commonly used screws: blue and silver.

- Always remove and re-install **blue** screws at their original location.
- Always remove and re-install **silver** screws at their original location.
- Do not mix blue and silver screws.

d1792101

Printer Model

The printer has no ADF. However, the connectors and harnesses for the ADF have been left in the machine: SIOB harnesses at the rear [A], connector at the center [B], and connector on the left edge [C].

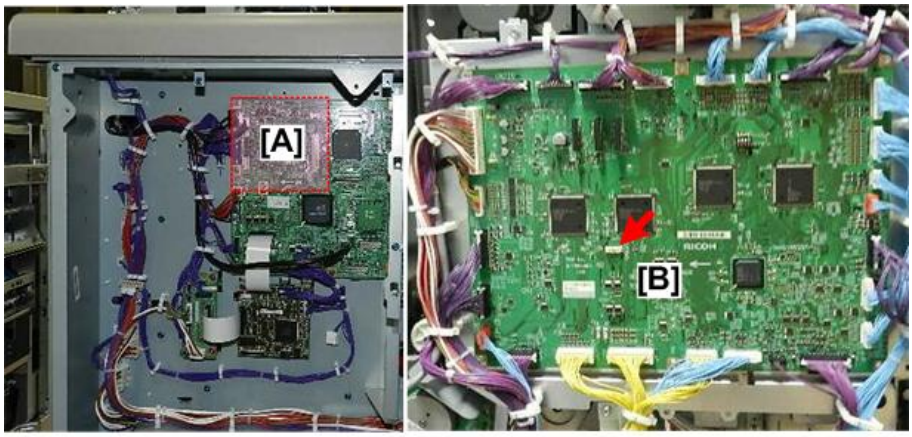


m263b0024

Important

- These harnesses should always remain clamped to the frame.
- Do not attempt to remove these harnesses.

There is no IPU sub board at [A] in the printer model. Also, service technicians should know that some of the connection points [B] on the boards are empty because they are for the copier model of this machine (these harnesses and connectors have been removed for the printer model).



m263b0025

Power Switch

The push-button power switch is on the front left corner of the machine. There is no power switch on the operation panel.

d270b2202

- Power is supplied to the machine (+5V), even after the machine has been switched off with the power switch.
- Before servicing, press the power switch to switch the machine off, wait for the LCD and the power indicator

on the operation panel to go off, and then disconnect the power cord.

- Press and release the power switch again. This second press dissipates any residual charge on the PCBs and makes it safe to remove the rear covers. The second button press also sets the machine to switch on automatically after the power supply cord is connected again
- After you have disconnected the power cord and pressed the power switch again to dissipate any charge, always wait at least three minutes before removing any covers.

After you reconnect the power cord to the power supply, the machine will start automatically. This automatic restart function is provided so the machine can cope with unexpected events. For example, if the power cord is unplugged accidentally, or if a power outage occurs, the machine will start up automatically as soon as the power cord is connected again, or after power supply has been restored.

Note

- If the machine does not switch on automatically after the power cord is re-connected, this does not indicate a failure. Just press the power switch to restart the machine.

Peripherals with Independent Power Cords

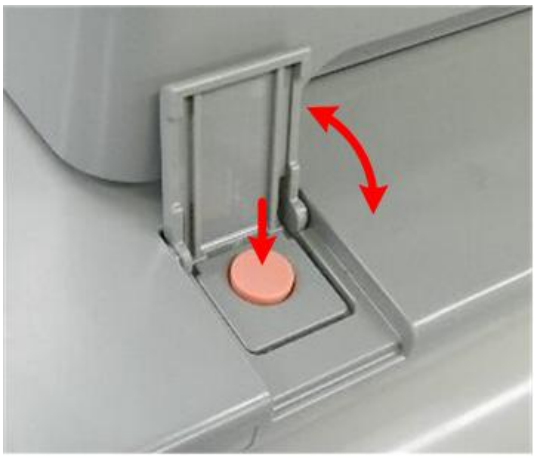
If the main machine is installed with one or more peripheral unit that has an independent AC power cord (Multi Fold Unit, Trimmer Unit, Booklet Finisher, Finisher, Ring Binder, Perfect Binder) unplug the main unit first, press the power switch to dissipate residual charge, and then disconnect the peripheral units.

Do the startup procedure with the peripheral units in this order:

1. Connect the AC power cord of every peripheral with an independent power cord to its power source before you connect the power cord of the main unit.
2. After the main unit starts up automatically, cycle the main machine off/on to make sure that the power switch is operating normally.

Power Off Before Servicing

1. Press and release the main power switch on the front of the machine.



d1792202

2. The machine displays a message that tells you to wait while the machine shuts down.
3. After the message goes off, check the right side of the operation panel and confirm that all the indicators are

off.

Important

- Never disconnect the power cord until all indicators on the operation panel are off.

4. Disconnect the power cord.
5. Press and release the power switch. This dissipates residual charge from electrical components.
6. Wait at least 10 minutes for components to cool (especially the fusing unit).

Power On After Servicing

1. After servicing the machine, plug in the power supply cord. The machine should start automatically.
2. If the machine does not start automatically, just push the power switch on the front left corner of the machine.

Forced Shutdown

You can force the machine to shut down if for some reason the machine hangs up or freezes and does not shut down normally.

1. Press and hold down the power switch for 6 sec.
2. Wait for the operation panel LEDs to go off.
3. Press the power switch to turn the machine on.

Important

- Do not use this procedure to shut down the machine unless it is absolutely necessary.
- A forced shutdown can damage the hard disk or memory, or otherwise damage the machine.

Rear Controller Box

Exercise caution when operating the machine with the rear controller box open:

- This machine has many fans and ventilation ducts to expel ozone, paper dust, and hot air from around the PCDUs and other areas inside the machine.
- If you service the machine and then check printing operation with the rear controller box open, dust or gases may adhere to the drum and cause problems with image output (white block patterns for example).
- Normally, process control can handle such minor problems, but if you want to recover the print quality as soon as possible, print several sheets with solid images.

PCDU

⚠CAUTION

- The charge corona unit must always be removed before pulling out the PCDU.
- Never attempt to pull out the PCDU with the charge corona unit in the machine.
- Pulling out the PCDU without removing the charge corona unit will damage the cleaning pad HP sensor and its harness.

1. Press the tab [A] to release the charge corona unit.

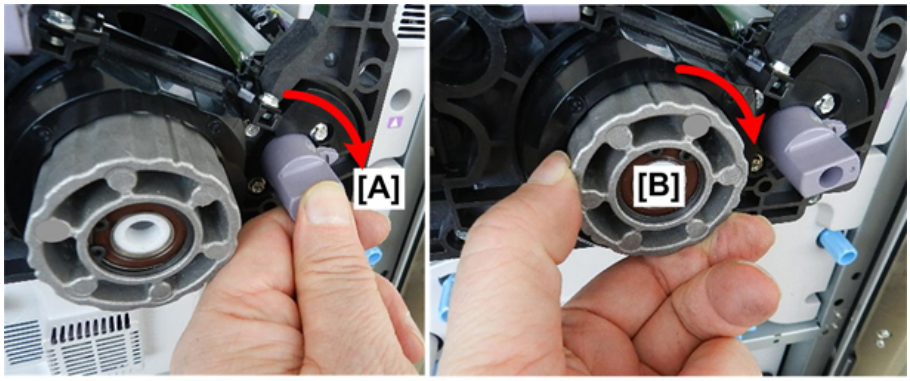
2. Pull the charge unit [B] out of the machine.

d1792902

3. To prevent scratching a drum or the ITB, always lower the ITB before you remove the PCDU or pull out the ITB unit.

d1793237

4. Before you push the PCU into the machine:
   - Rotate the cleaning unit lever [A] clockwise to lock it.
   - Rotate the drum wheel [B] clockwise to lock it.



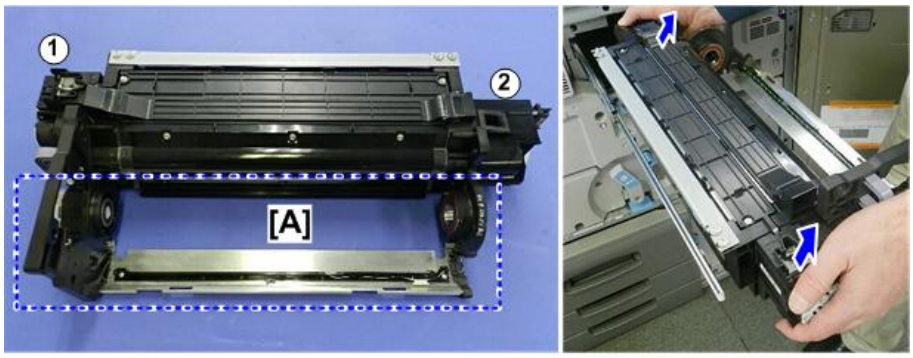
d1792987

Development Unit

Important

- Never touch any part of the frame [A] when you lift the development unit off its rails. The drum cradle is fragile and can easily be bent.

1. Grip both ends of the unit at the orange tabs ① and ②.
2. Lift the development unit off the rails.



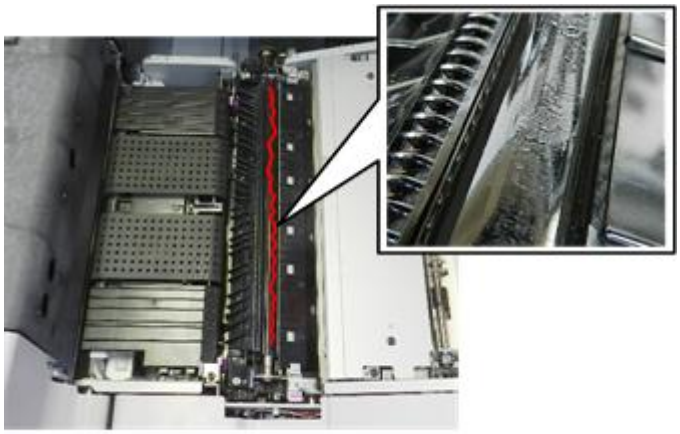
d270b2915

ITB Unit

1. Never touch the surface of the ITB surface with bare hands.
2. The PTR unit must be removed before the ITB unit.

Important

- If the ITB unit is removed with the PTR unit in the drawer, the edge of the ITB unit will scour and ruin the surface of the PTR below when the ITB unit is pulled from the machine. This can permanently damage the PTR.

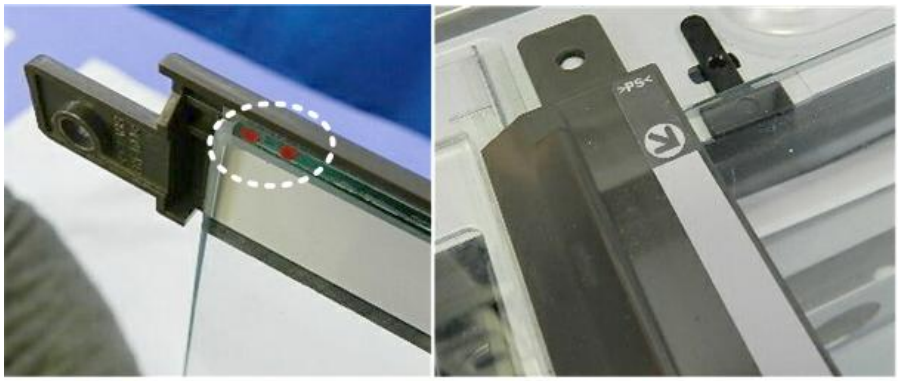


d1803101

3. Pull the ITB unit out of the machine only when it is absolutely necessary.
4. Always work carefully around the ITB (to avoid dropping tools, screws, etc.) when it is pulled out of the machine.
5. Before installing a new ITB, clean all the rollers and the inner surface of the ITB unit with a dry cloth to prevent the new belt from slipping.

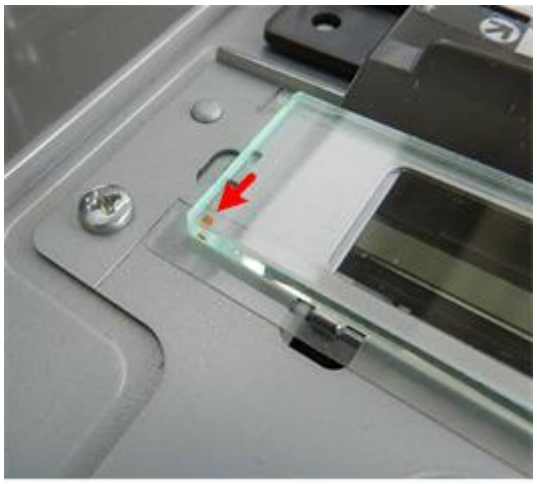
Scanner Unit (Copier Model Only)

1. When installing a new exposure glass, always make sure that the paint mark is at the rear left corner.



d1792760

2. Clean the exposure glass with alcohol or glass cleaner to reduce the amount of static electricity on the glass surface.
3. Use a cotton pad dampened with water, or a blower brush, to clean the scanner optics.
4. Never bend or twist the exposure lamp cables.
5. Never disassemble a lens unit. Attempting to disassemble a lens unit will throw the lens and the copy image out of focus.
6. Never attempt to adjust a CCD positioning screw. Doing so will throw the CCD out of position.
7. When replacing or re-installing the scanner glass, always make sure that the paint mark is at the upper left corner.



d1792102

Development

1. Avoid nicking or scratching the development roller.
2. Place a development unit on a sheet of paper after removing it.
3. Always clean the drive gears after removing used developer.
4. Always dispose of used developer in accordance with local regulations.
5. Never load any type of developer or toner into the development unit other than those specified for this

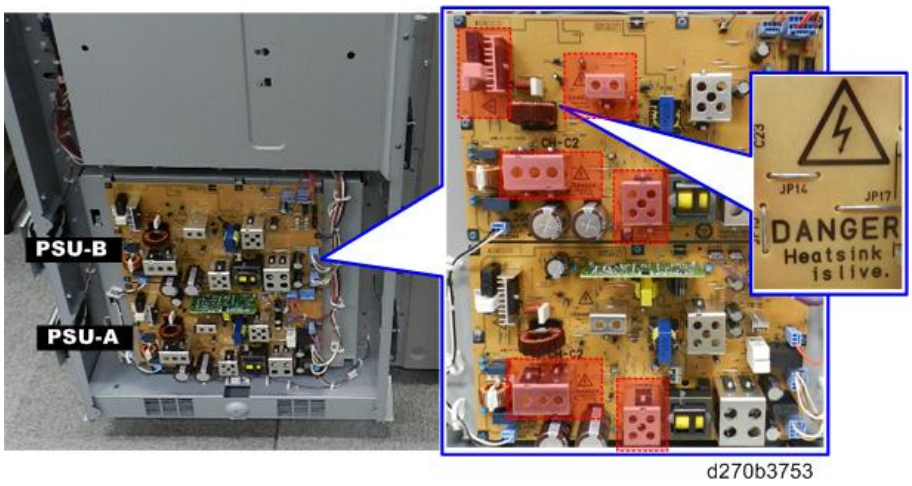
machine. Doing so will cause poor print quality and toner scattering.

6. Immediately after replacing the developer, be sure to execute the SPs to initialize the developer/toner.
7. Never do SP3030 with used developer.
8. When using a vacuum cleaner to clean the development unit casing, always ground the casing with your fingers to avoid damaging the toner density sensor with static electricity.
9. The TD sensor must be initialized:
   - After replacing developer. (Initialize the TD sensor only for the PCU where the developer was replaced.)
   - Never initialize the TD sensor more than once. Initializing the TD sensor more than once can cause toner scattering inside the machine.

PSU, AC Drive Board

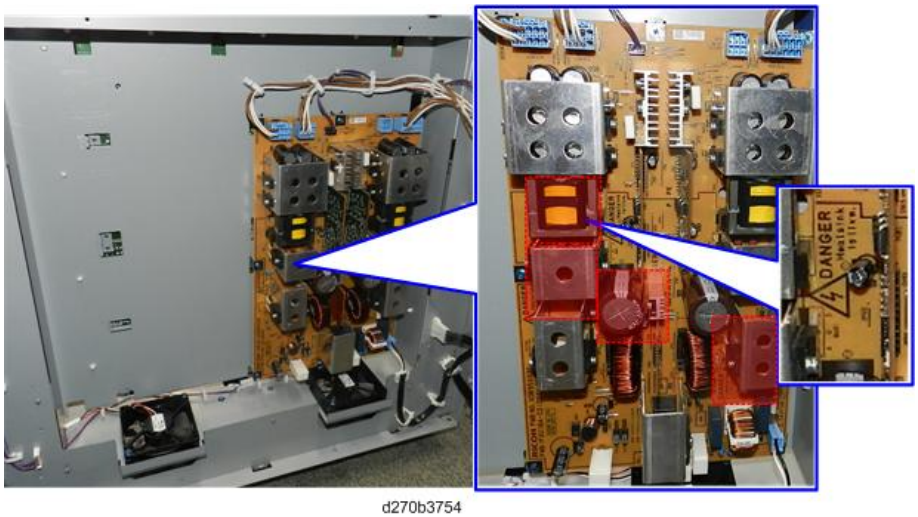
The heat sinks and condensers on the PSU AC drive board are live and labeled with warnings not to touch them.

PSU-A, PSU-B



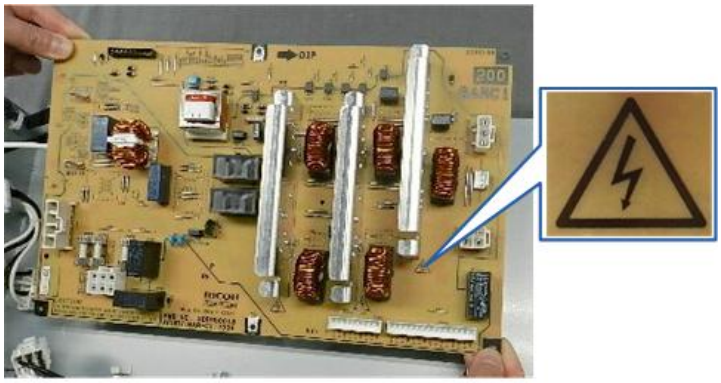
d270b3753

PSU-C



d270b3754

AC Drive Board



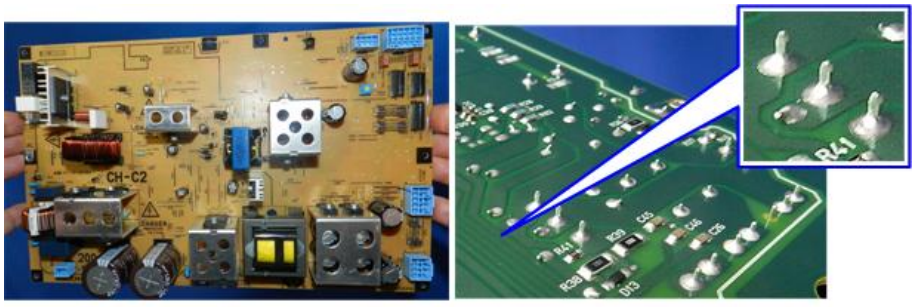
d270b3756

⚠DANGER

- A heat sink can retain a considerable electrical charge (100 to 400V) for up to several months after the machine has been turned off or the board has been removed and stored. Turning the machine off, disconnecting it from the power supply, and then allowing it to remain idle for a short time, allows the DC circuits to discharge. However, the AC circuits will retain residual charge.
- To avoid electrical shocks, never touch **any** component on a PSU board or the AC drive board with bare hands or a tool, especially a heat sink or capacitor.
- Always handle a board by its edges.
- Always keep the rear covers on the machine.
- Never leave the covers off during machine testing, or while the machine is idle during servicing.

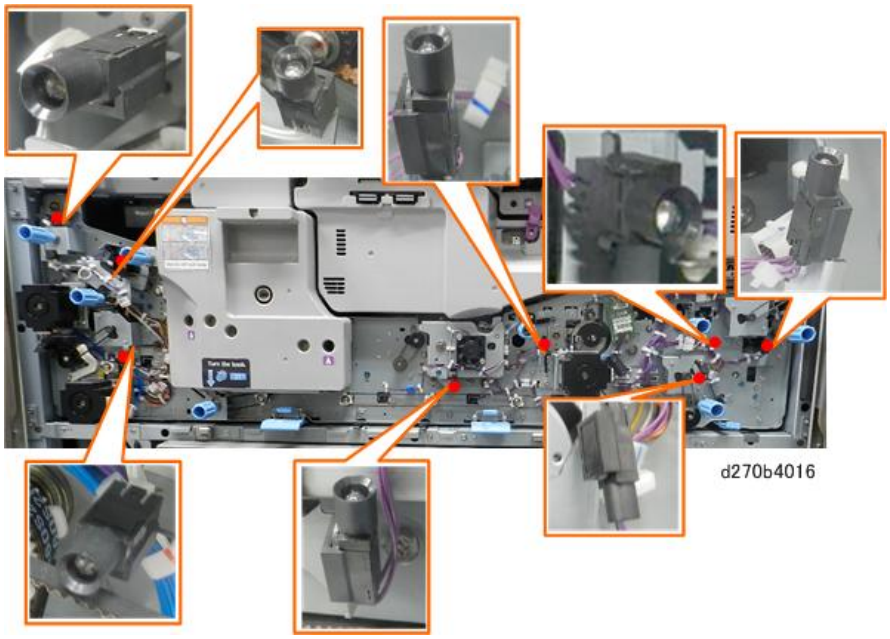
⚠CAUTION

- Never touch the back of the board.
- Some of the soldered contacts on the backs of the boards are extremely sharp and can cut or puncture your fingers, as well as cause an electric shock.



d270b3755

Jam LEDs



There are new jam LEDs on the front of the machine. These fragile LEDs are mounted on metal tabs and project out, down, and up and are difficult to see.

⚠CAUTION

- Work carefully if you have removed the exit cover, purge tray cover, registration cover, or vertical path unit cover, to avoid damaging these sensors.
- The protruding edges of the LEDs are sharp and can cause minor cuts or scrapes if you are not careful.

Cleaning

1. When servicing cleaning unit components, avoid nicking the edges of the cleaning blades.
2. Never touch the edges or surfaces of a cleaning blade with bare hands.
3. Before disassembling a cleaning unit, place a sheet of paper under it to catch stray toner or dry lubricant.

Fusing Unit

1. Never handle fusing lamps and rollers with bare hands.
2. Make sure that the fusing lamps are positioned correctly and do not touch the inner surface of the rollers.

Paper Feed

When replacing the pick-up, feed, and separation rollers in tray 1 or 2 of the main machine, trays 3, 4, 5 of the LCIT, or tray 6 (bypass tray):

- Use only rollers specified for use with this machine or peripheral unit.
- When handling the new rollers, avoid touching the surfaces of the rollers with bare hands.

Used Toner

1. Check the level of the used toner in the used toner bottle at every service visit.
2. Always dispose of used toner in accordance with local laws and regulations.
3. Never attempt to incinerate used toner.

Paper Tips

Here is a list of points that operators should be reminded of before using the machine.

General

- Do not open a paper package until you are ready to load it; leave paper sealed in its packing until it is ready to be used, especially if it will not be used for a long time.
- Always load paper with the designated print side facing up. If neither side of the paper is designated as the print side, set the paper so that the side where the pack was sealed faces up.
- Paper exposed to the air can cause the paper to curl and wrinkle, which can lead to paper jams.
- If paper shows a high occurrence of burring or tearing during cutting (more than 0.1 mm), turn the stack over.
- If the paper is frequently jamming or double feeding, remove the stack and fan it to remove static.
- Hold the paper and fan it on both ends to allow air between the sheets.
- Do not use paper with curl that exceeds 2 mm.
- Paper that is slightly bent at the corners or on the leading edge can cause paper jams, so turn such paper over before loading it.
- If the surface of the paper is marred by scratches or indentations, turn the paper over before loading it. Marred paper can cause more curl in the paper after fusing or lead to more damage by the stripper pawls, junction gates and ribs in the paper feed path of the machine.

Moisture Prevention

- If moisture has a tendency to form in the trays of the paper bank, turn the anti-condensation heater on, and do not unplug the machine from the power source.
- If the AC power cord of the machine is disconnected, the heater will not receive any power and moisture will form in the trays.

Thin Paper

- Load thin paper (52.3 g/m^2 or 45K) as SEF not LEF.
- Thin paper fed LEF can cause the paper to jam in the paper path, bend at the corners or edges, or smear the surfaces of images.
- Stack slightly curled paper in a paper tray, with the concave side up.
- If the paper is stacked with the concave side down, this can lead to excessive curl, poor stacking, or misalignment of the stack.

Translucent Paper, Tracing Paper

- Load translucent and tracing paper as SEF, never as LEF.
- At paper separation in the PTR unit, thin paper fed LEF can cause the paper to jam in the paper path, bend at the corners or edges, or smear the surfaces of images.
- If the edges of translucent paper or tracing paper cannot be detected even after adjusting the amount of light emitted by the CIS, disable side-to-side registration and skew detection.
- Side-to-side registration can adjusted for image placement for the first or second sides of the paper (SP code, super operator setting, or a user setting).
- If the CIS cannot detect the edges, and the sensitivity of the precision in side-to-side registration is lowered to correct this, this could lead to paper skew.

Transparencies (OHP)

- If double-feeding occurs, remove the stack and fan the edges to remove static, or feed one sheet at a time.
- OHP sheets have a tendency to form and hold static charge.
- If the edges of OHP sheets cannot be detected even after adjusting the amount of light emitted by the CIS, disable side-to-side registration and skew detection. Side-to-side registration can adjusted for image placement for the first or second sides of the paper (SP code, super operator setting, or a user setting).
- If the CIS cannot detect the edges, and the sensitivity of the precision in side-to-side registration is lowered to correct this, this could lead to paper skew.

Postcards

- Curl with 5 mm can be corrected in postcards before feeding.
- Postcards must be loaded SEF.
- The LCIT RT 5080 is provided with a side fence designed for postcard feeding.
- Return postcards cannot have folds.

Tab Sheets

- Tab sheets can be fed from a universal tray but this requires the end fence (an option) designed for tab sheet feeding.
- Tab sheets must be loaded in the universal tray with the tab side opposite the direction of feed.

Inkjet and Gel Jet Paper

- Inkjet and Gel Jet paper cannot be used with this machine.

Coated Paper

- Coated paper can be used with this machine, but it must be fanned carefully before loading.
- High temperatures can cause the sheets to cling to one another and cause problems and slight noise during paper separation during feeding.
- The operation level of the air fence and an auxiliary end fence can be used to eliminate double-feeds and clinging at the trailing edge of the sheet above and leading edge of the sheet below.

- If adjustments do not solve the problem, feed one sheet at a time.

Peel-off Paper

- Peel-off paper can be feed from Tray 2 of LCIT RT5080, as long as it is fed straight through (no invert/exit mode).

Color Paper, Pre-printed Forms

- If the edges of colored paper or pre-printed forms cannot be detected even after adjusting the amount of light emitted by the CIS, disable side-to-side registration and skew detection. Side-to-side registration can be adjusted for image placement for the first or second sides of the paper (SP code, super operator setting, or a user setting).
- If the ink of pre-printed forms melts or runs because of the heat, always make sure the ink is dry, make sure the sheets are separated and never use ink that contains toxic materials.
- If the CIS cannot detect the edges, and the sensitivity of the precision in side-to-side registration is lowered to correct this, this could lead to paper skew.

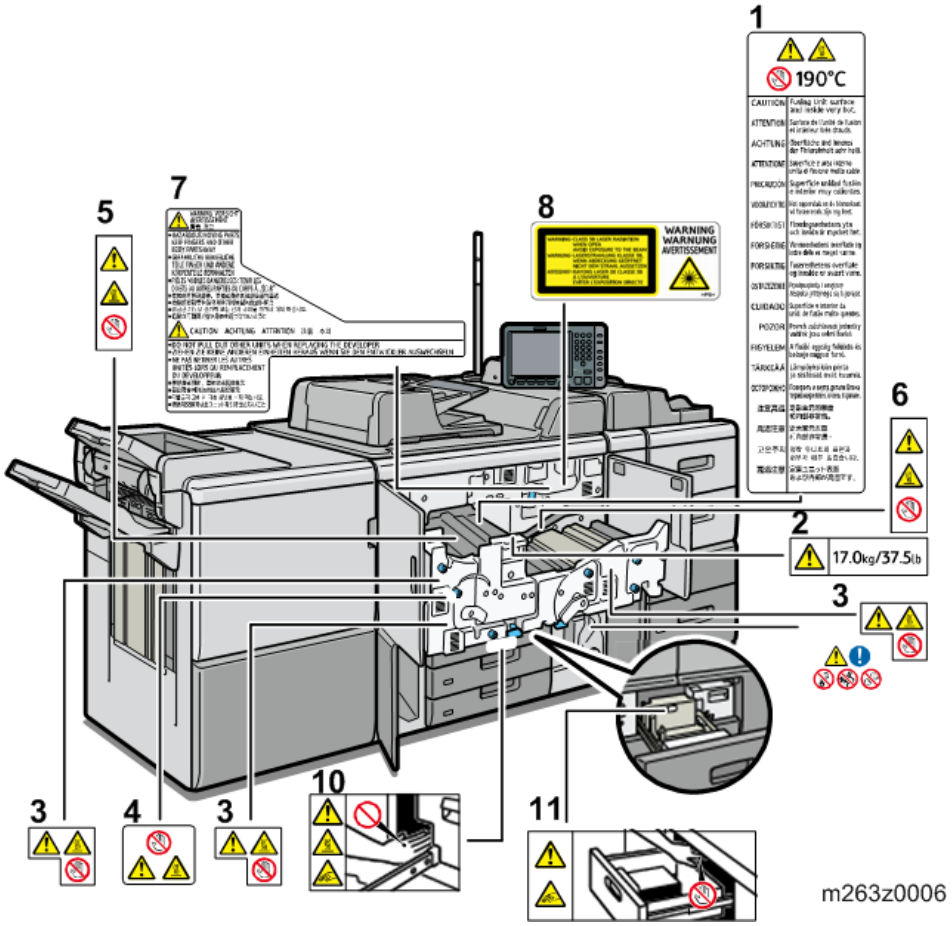
Safety Labels for This Machine and Peripherals

This section describes the location and purpose of the Warning and Caution labels attached to the main machine and peripherals. Pay attention to these labels when servicing and testing the machine. The operators should also be instructed about the location and purpose of the labels so they can operate the machine safely.

Main Machine (Copier and Printer Models)

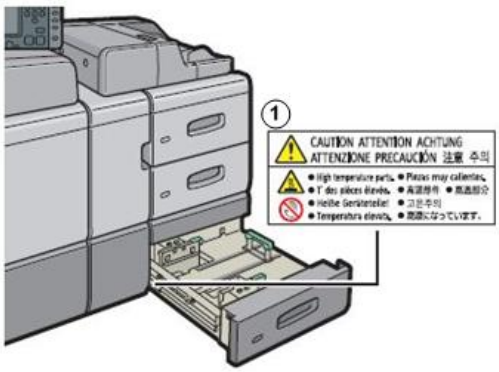
Note

- The image on the label show the copier version, but the information applies to both the copier and printer version of this machine.



1	Do not touch the parts indicated on the label. The inside and surface of the fusing unit could be very hot, so remove jammed paper carefully.
2	This label indicates the weight of the machine. This is provided for customer engineers and operators who have received special training.
3 to 8	To prevent minor burns, never touch these labeled parts.
9	Keep your hands and fingers away from moving parts. Never pull out other units when replacing developer.
10	Never attempt to raise any unit out of the open drawer. Attempting to raise a unit could bend it or cause it to fall.
11	This unit uses laser radiation. Never attempt to disassemble or modify it.
12	This is the used toner bottle. Empty the bottle and always obey all local laws and regulations regarding the disposal of items such as used toner.
13 to 14	To avoid injury to pinched hands and fingers, always keep your hands clear of parts with these labels when removing paper jams or scraps of paper from the paper path.

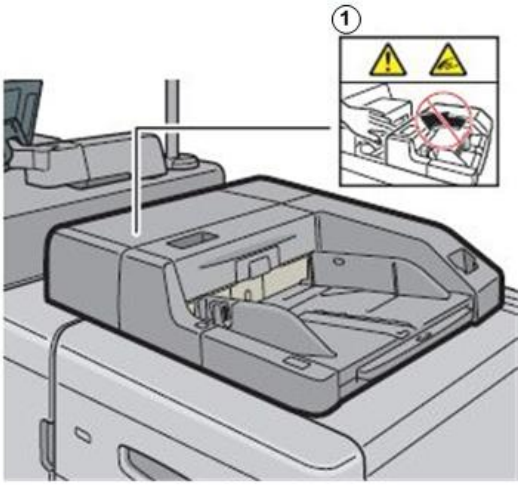
LCIT RT5080



d1790102

①	This label indicates parts that reach high temperature during operation. To avoid personal injury, do not touch these parts.

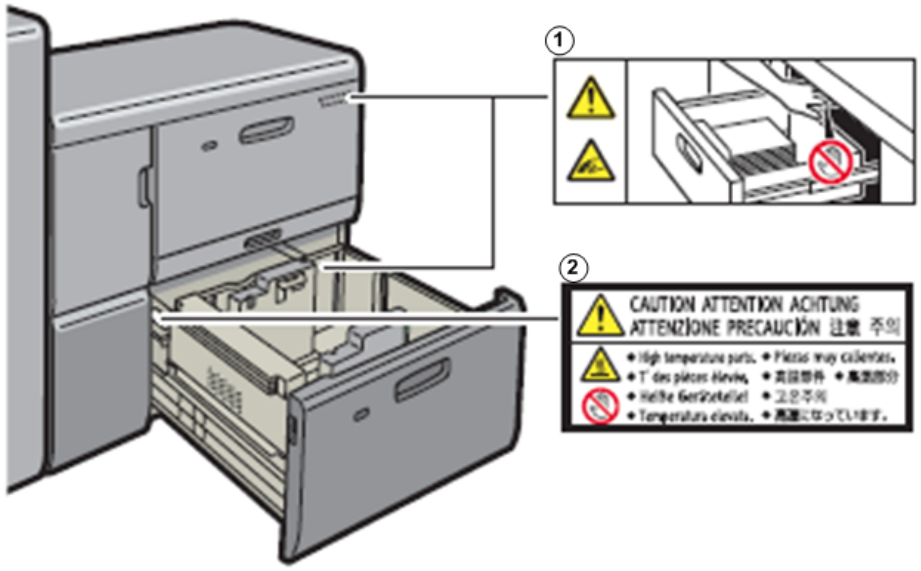
Multi Bypass Tray BY5010



d1790103

①	To avoid injury to your fingers, keep your hands clear of the bypass tray when removing a paper jam.

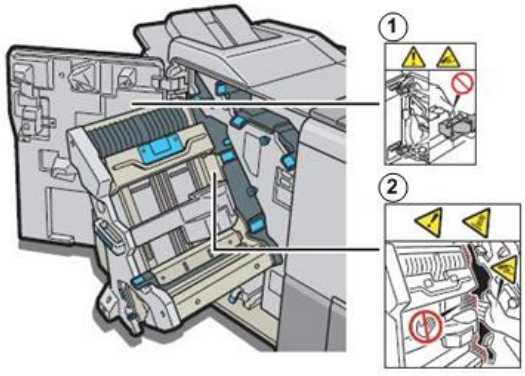
Vacuum Feed LCIT RT5100



m263d4025

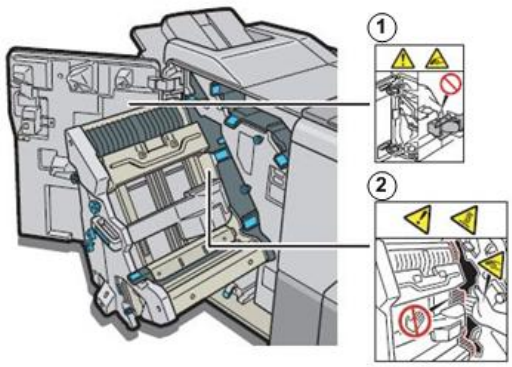
①	To avoid injury from pinched fingers or hands, keep your hands away from parts with this label.
②	To avoid injury from minor burns, do not touch parts with this high temperature label.

Finisher SR5050



d1790104

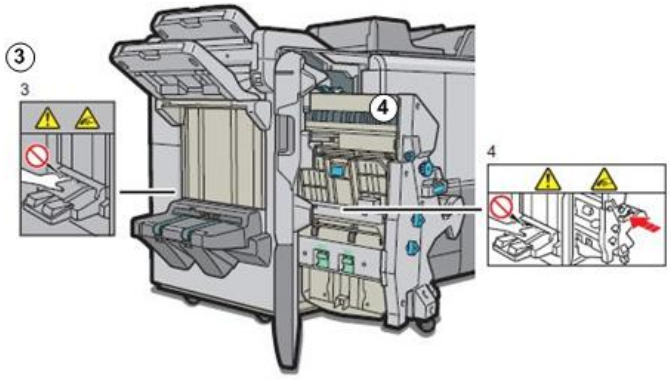
①	To avoid injury, keep your hands clear of the hinges when opening and closing the finisher door.
②	To avoid injury, avoid the indicated parts that become hot during operation and locations where you could pinch your hand or fingers.



d1790105

Front

①	To avoid injury, keep your hands clear of the hinges when opening and closing the finisher door.
②	To avoid injury, avoid the indicated parts that become hot during operation and locations where you could pinch your hand or fingers.

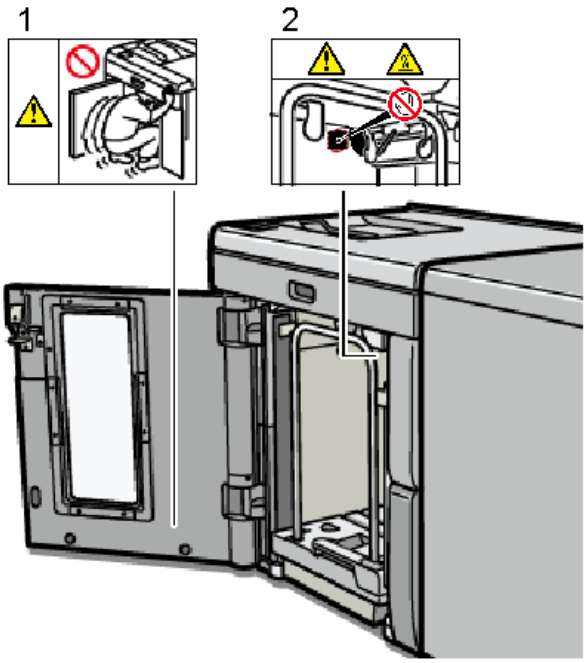


d1790106

Left Side

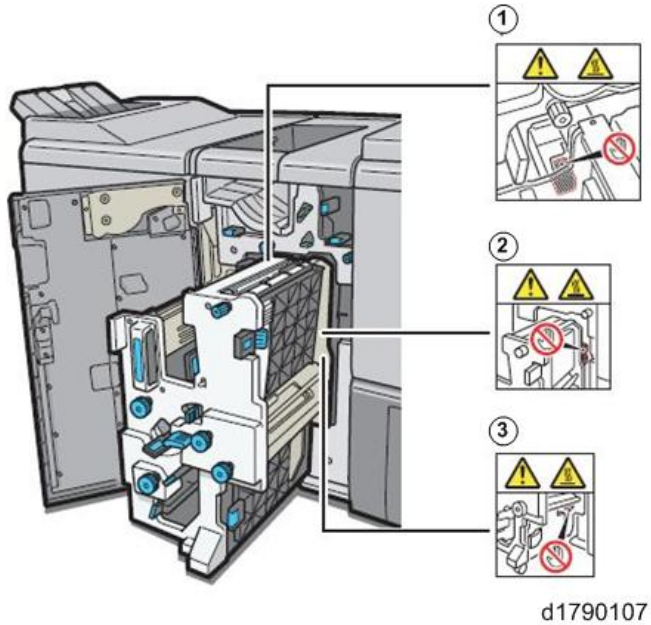
④	To avoid injury, never touch the booklet tray during operation.
⑤	To avoid injury, never touch the booklet tray when removing a paper jam, or when pulling out or pushing in the stacker/stapler unit.

High Capacity Stacker SK5030



①	To avoid injury, never attempt to get inside the high capacity stacker.
②	Internal parts of the stacker can become hot with prolonged use. To avoid injury, never touch parts with high temperature labels. Work with caution when removing paper jams.

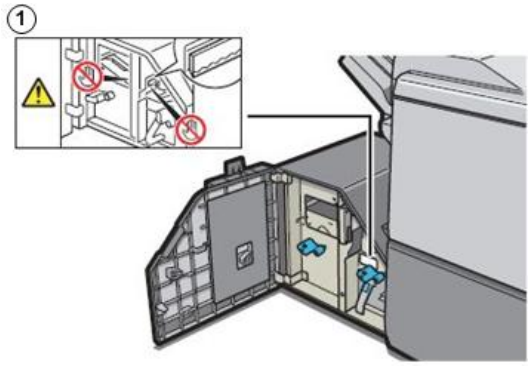
Multi-Folding Unit FD5020



①	To avoid injury, avoid touching the indicated area where parts can become very hot during operation. Work carefully when removing a paper jam.
②	To avoid injury, avoid touching the indicated area where parts can become very hot during operation. Work carefully when removing a paper jam.
③	To avoid injury, avoid touching the indicated area where parts can become very hot during operation.

	Work carefully when removing a paper jam.

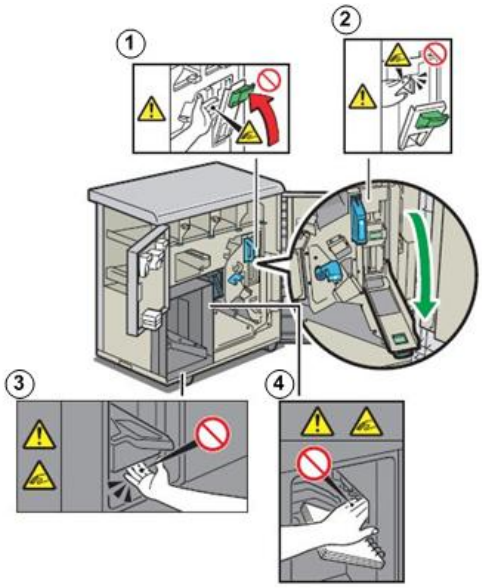
Trimmer Unit TR5040



d1790108

①	To avoid serious injury, work carefully around the cutting blade when removing a paper jam.

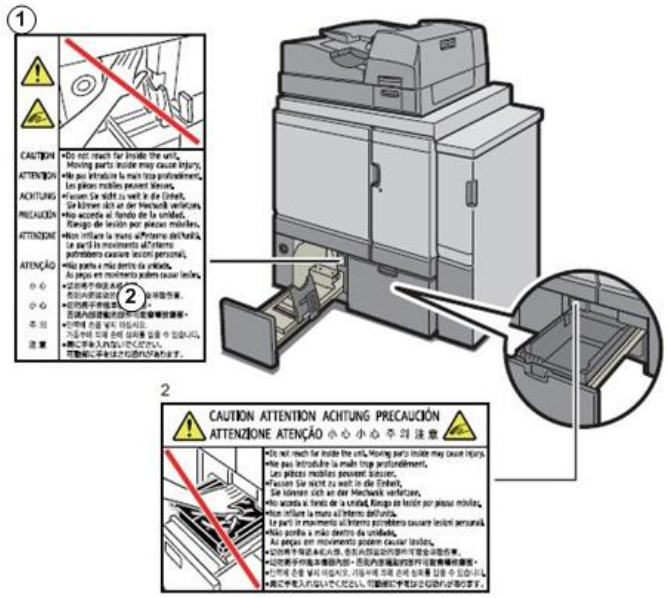
Ring Binder RB5020



d1790109

①	To avoid injury, keep the fingers of your other hand clear of the cartridge cover when you close it.
②	To avoid injury, avoid touching the parts at the indicated location.
③	To avoid injury, never touch the ring binder tray while the ring binder is operating.
④	To avoid injury, never put your hand into the paper exit when removing bound booklets.

Perfect Binder GB5010



d1790110

①	To avoid personal injury, keep your hand and fingers away from the lower left tray when removing bound booklets.
②	Never reach inside the unit where large moving parts could cause serious injury.

Special Tools and Lubricants

Special Tools

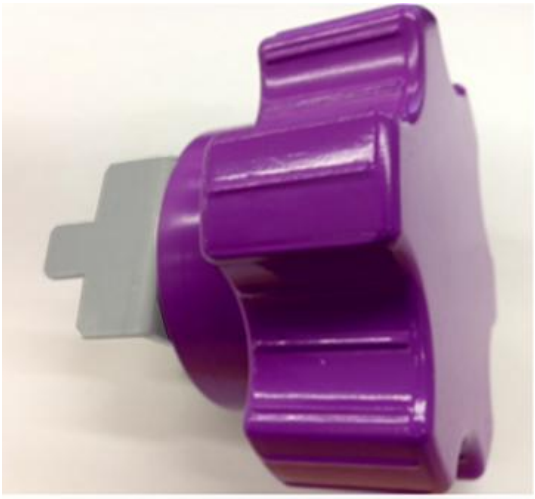
Part No.	Description
A0069104	Scanner Positioning Pin (4 pcs./set)
A0929503	Test Chart-C4 (3 pcs./set)
A0299387	Digital Multi-meter: FLUKE 87
B6455010	SD Card
C401 9503	20x Magnification Scope
D1793421	Development Unit Jig Handle
D1793420	Development Doctor Blade Jig Sheet
D1796191	ITB Positioning Jig (Driver Roller Side)
D1796192	ITB Positioning Jig (Belt Cleaning Side)

Drum Knob Tool

This is a new service part. It is used to tighten the drum knob completely.

If the knob is not tightened completely, this can cause the developer/toner mixture to collect on the magnetic roller and scratch the drum.

New P/N	Description	Q'ty
D1792445	KNOB:TORQUE LIMITER MECHANICAL CLUTCH:ASS'Y	1



d179b4029

Important

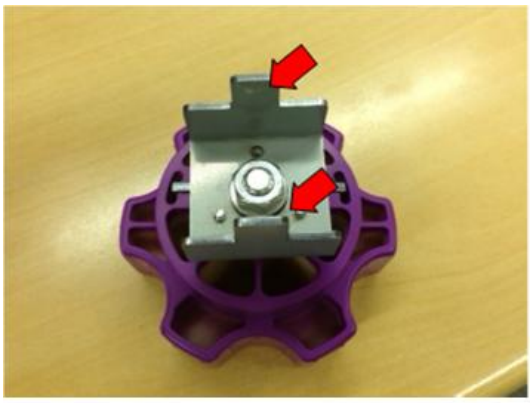
- When you install a drum and tighten the drum knob with this tool, the drum cleaning unit should not be installed on the PCDU.
- If the drum knob is loosened with the drum cleaning unit installed, be sure to remove the drum cleaning unit, and then tighten the knob.
- Tightening the drum knob with the drum cleaning unit installed will cause the drum cleaning unit to

apply pressure to the drum and narrow the gap at the front side.

To tighten the drum knob with the tool:

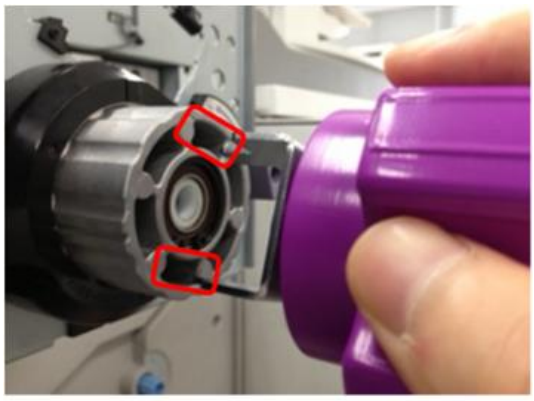
1. Insert the tool into the face of the drum knob.

   These are the tabs inserted into the drum knob.



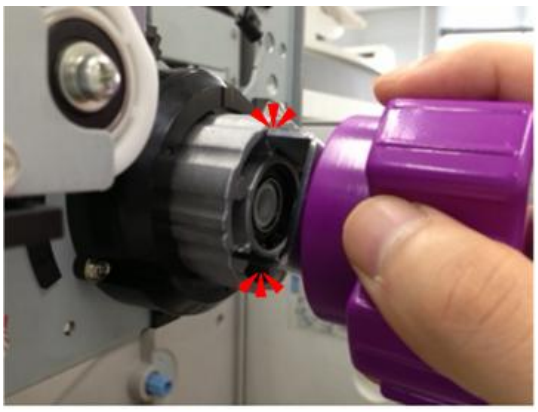
d179b4030

   The tabs are aligned with the holes on the face of the knob.



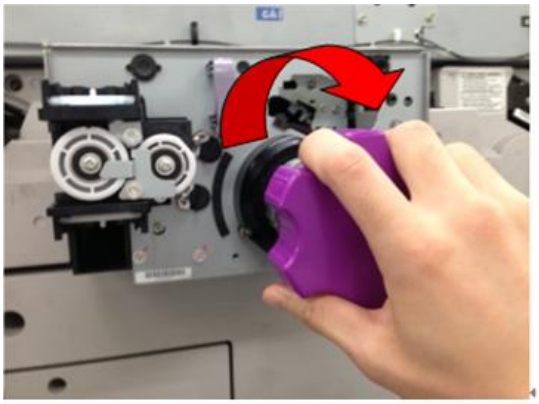
d179b4031

   Press gently to insert the tabs.



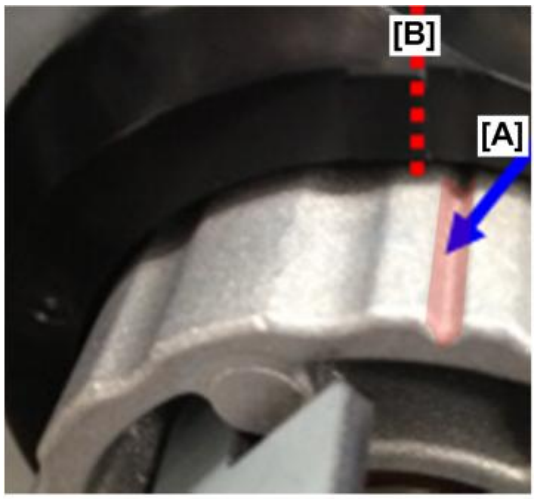
d179b4032

2. Twist the drum knob clockwise until the tool runs idle.



d179b4033

3. Check the drum knob position. The groove [A] should be slightly to the right of the vertical reference line [B] in the photo.



d179b4034

Lubricants

Part No.	Description
A2579300	Grease Barrierta - S552R
52039502	Silicone Grease G-501
54479078	Heat Resisting Grease MT-78
B132 9700	Drum Setting Powder
VSSG 9002	FLUOTRIBO MG Grease
D0159501	Setting Powder
D0159500	Yellow Toner

Common Procedures

Before You Begin

This section describes simple tasks that service technicians must know before servicing the machine:

- Turning the machine on/off
- How to remove doors and covers
- Pulling out the drawer
- How to open the controller box, removing its cover

Here is a list of other important, basic procedures (described in other sections) that service technicians must know before servicing the machine:

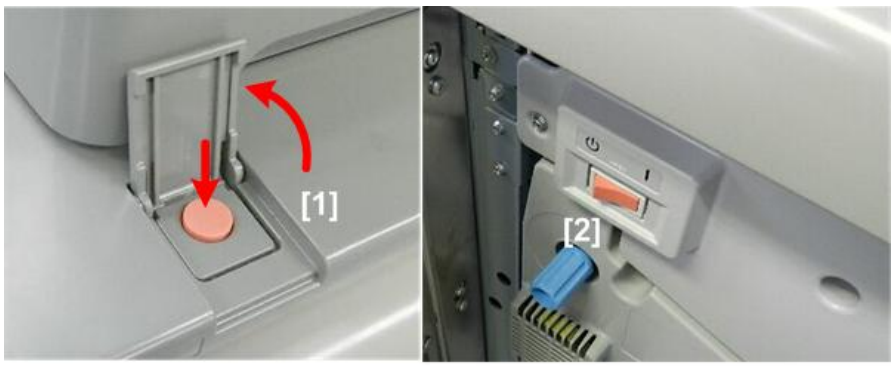
- PCDU removal (PCDU Removal)
- Drum removal (Drum Removal)
- ITB Unit Removal (ITB Unit Removal)
- PTR Unit Removal (PTR Unit Removal)
- PTB Unit Removal (PTB Unit Removal)
- Opening the VTU (Opening the VTU)
- PFU 1, 2, 3 Removal (Paper Feed Unit)
- Fusing Unit Removal (Removing the Fusing Unit)
- Fusing Cleaning Unit Removal (Removing the Fusing Cleaning Unit)

Turning the Machine On

1. Plug the machine into the power source.
2. At the left front corner of the machine, lift the switch cover and press the operation power switch [1].

   Note

   - There is no power switch on the operation panel of this machine.
   - The power switch behind the left door [2] is set to ON when the machine is delivered.



d270b2201

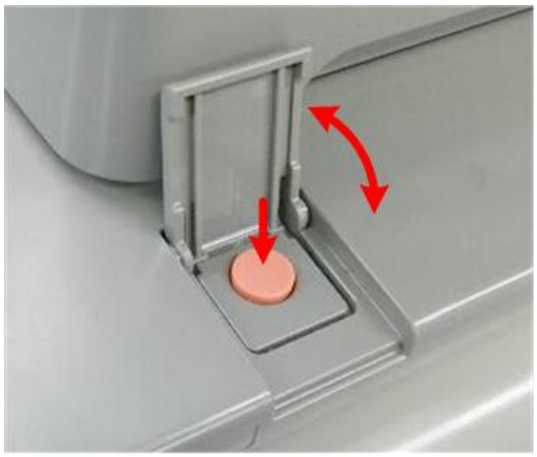
3. After the "Please Wait" message, touch "Copier" on the operation panel to display the initial copy screen.

Turning the Machine Off

⚠WARNING

- Always follow this procedure to shut down the machine before servicing.
- Never power on the machine with the LD unit or the plastic canopy over the laser unit removed.

1. Press and release the main power switch on the front of the machine.



d1792202

2. The machine displays a message that tells you to wait while the machine shuts down.
3. After the message goes off, check the right side of the operation panel and confirm that all the indicators are off.

Important

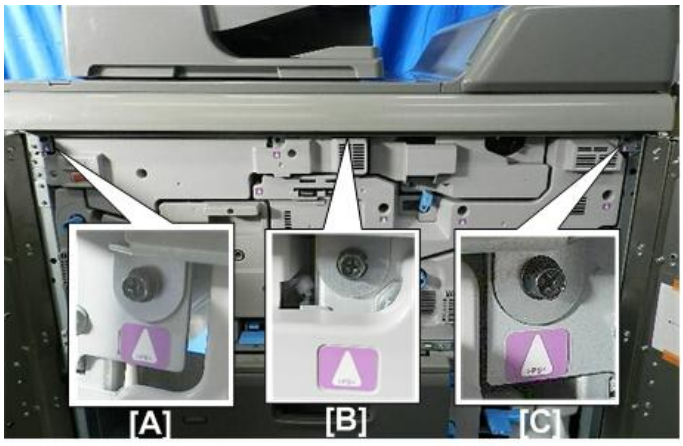
- Never disconnect the power cord until all the indicators on the operation panel are off.

4. Disconnect the power cord.
5. Press and release the power switch. This dissipates residual charge from electrical components.
6. Wait at least 10 minutes for components to cool (especially the fusing unit).

External Covers, Doors

Front Edge Cover

1. Disconnect the front edge cover at [A], [B], and [C] (x1).



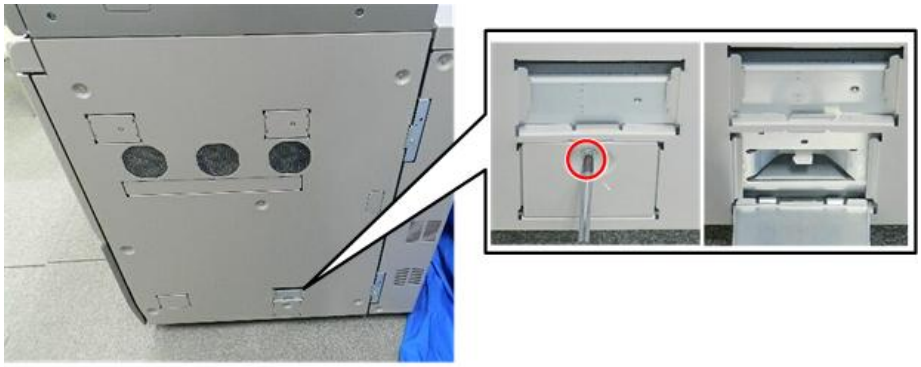
d1792750

2. Remove the front edge cover.

d1792751

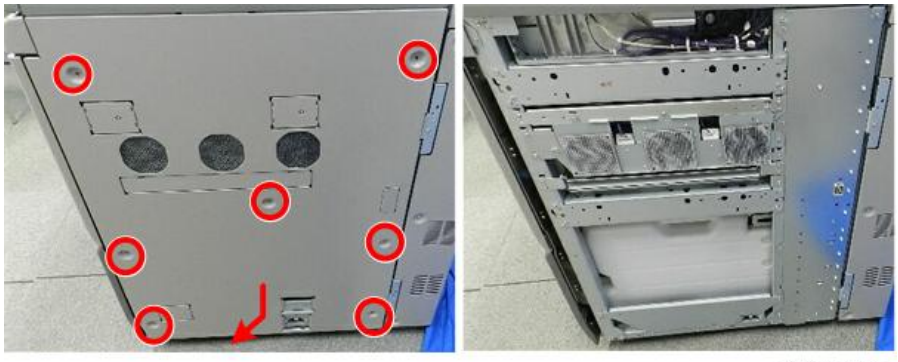
Right Cover

1. Remove the LCIT heater connector cover (x1).



d1792204

2. Remove the right cover (x7).



d1792205

Left Cover

1. Remove the left cover (x7).

d1792206

Rear Cover

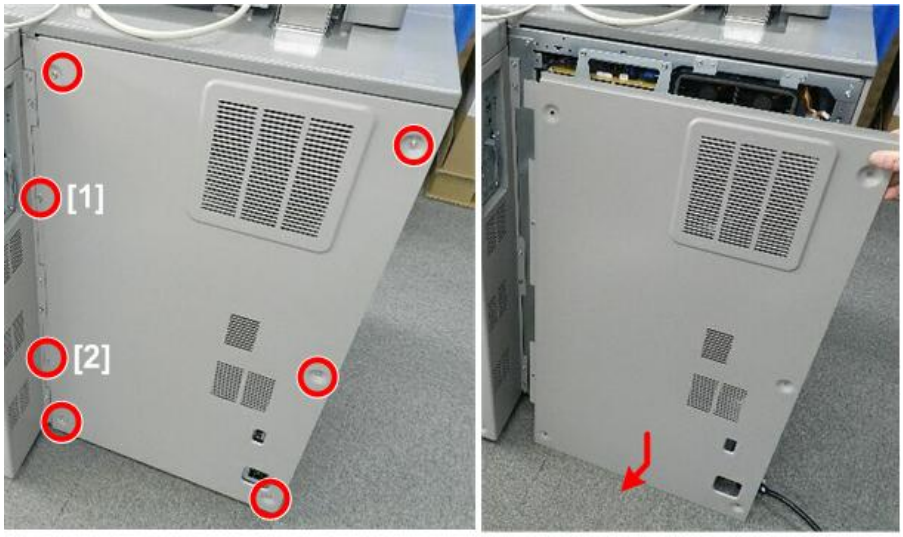
1. Remove the power cord bracket (x1).

d1792207

2. Remove the left rear cover (x7).

Note

- Screws [1] and [2] are the 3rd and 5th screws from the top.

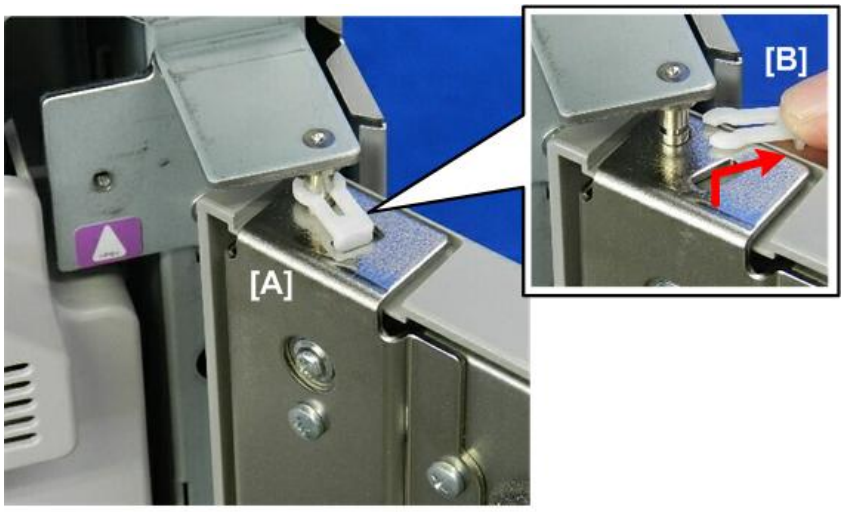


d1792208

Doors

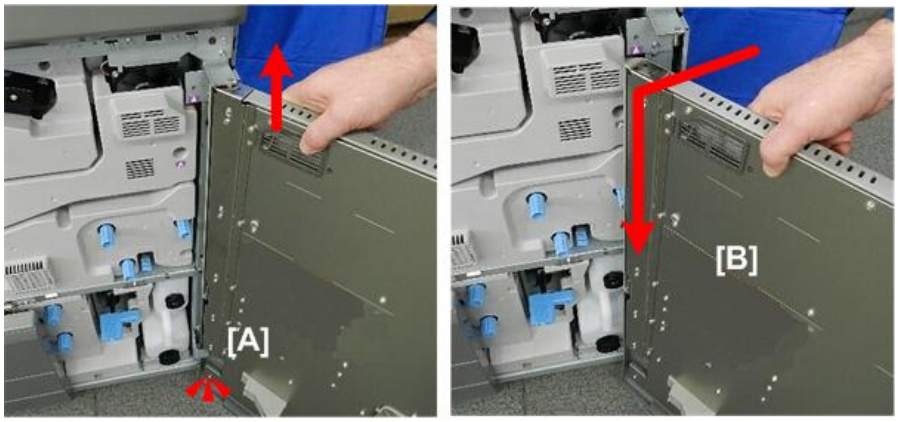
This procedure is the same for both front doors.

1. Open the left or right front door [A].
2. Disconnect the door at the top post [B] (x1).



d1792209

3. Lift the door off the bottom post at [A], and then pull away the top of the door [B].



d1792210

Drawer

Opening and Closing the Drawer

1. The drawer is one piece and opens from the front.

d1792200

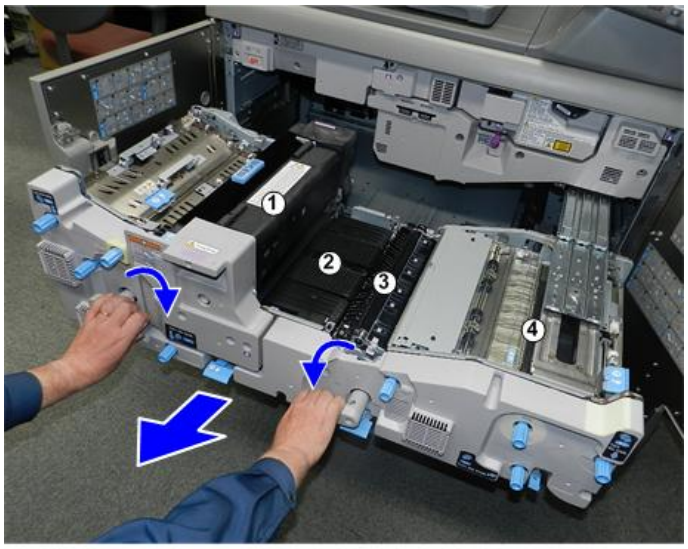
2. Open both front doors.
3. Grip both handles, and rotate them down.

d1792211

Slowly, pull the drawer out until it stops.

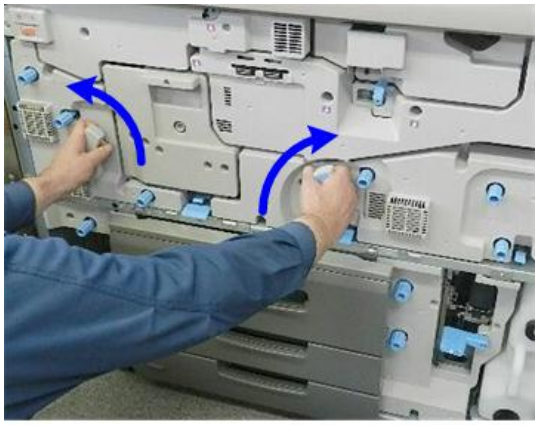
- The drawer is one piece (it is not divided).

- The fusing unit [1], PTB unit [2], and PTR unit [3] must be removed for servicing.
- Removing the registration unit [4] for servicing is not recommended. It should be serviced in the drawer.



d270b2212

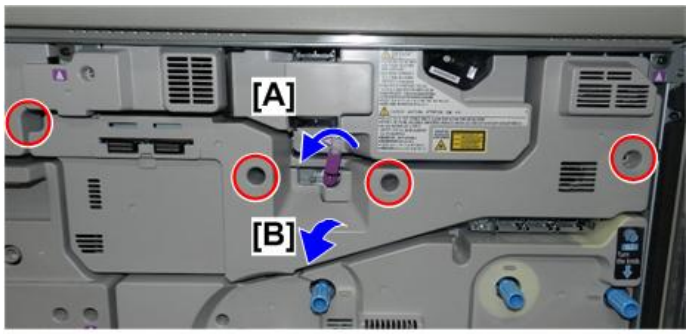
4. To close the drawer, push it in until it stops, and then raise the handles.



d1792213

Support Rails

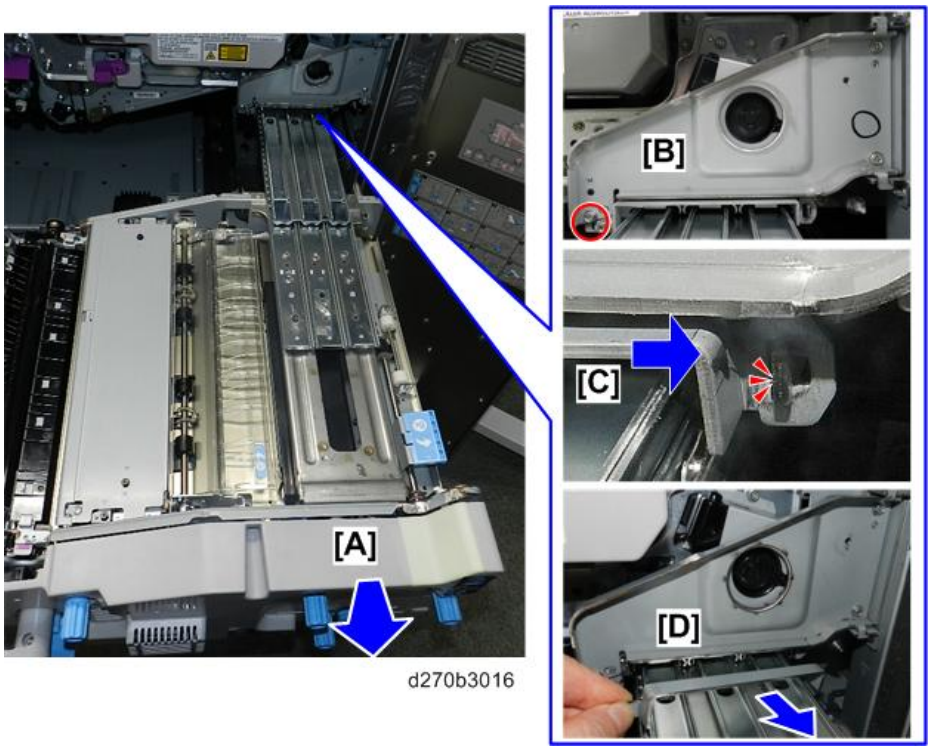
1. Open the front doors.
2. Lower lever [A], and then remove cover [B] (x5).



d270b3015

3. Pull out the drawer [A].
4. Disconnect the lock plate [B] on the left (x1).

5. Push the lock plate [C] to the right to release it.
6. Remove the lock plate [D].

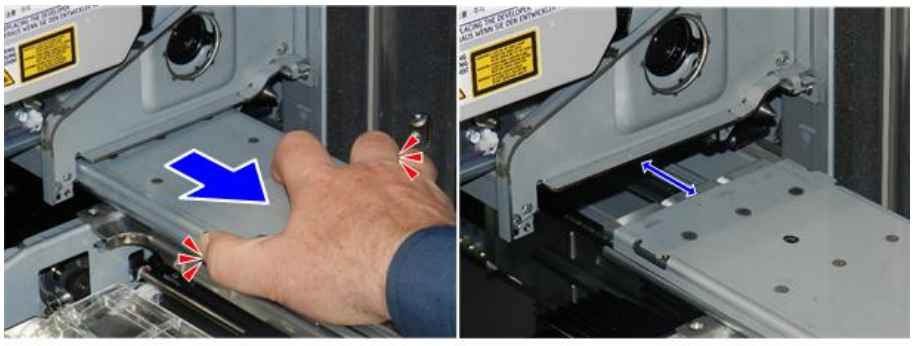


d270b3016

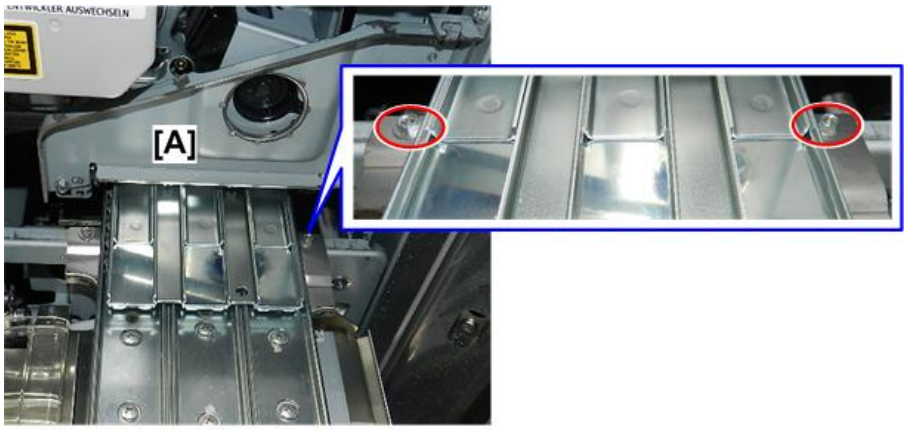
7. Remove the right front cover (x5).

d270b3017

8. Pull out the upper sleeve. The sleeve may be tight and difficult to pull out the first time it is removed. Grip it firmly on both sides as shown, and then pull out firmly until the sleeve slides out.

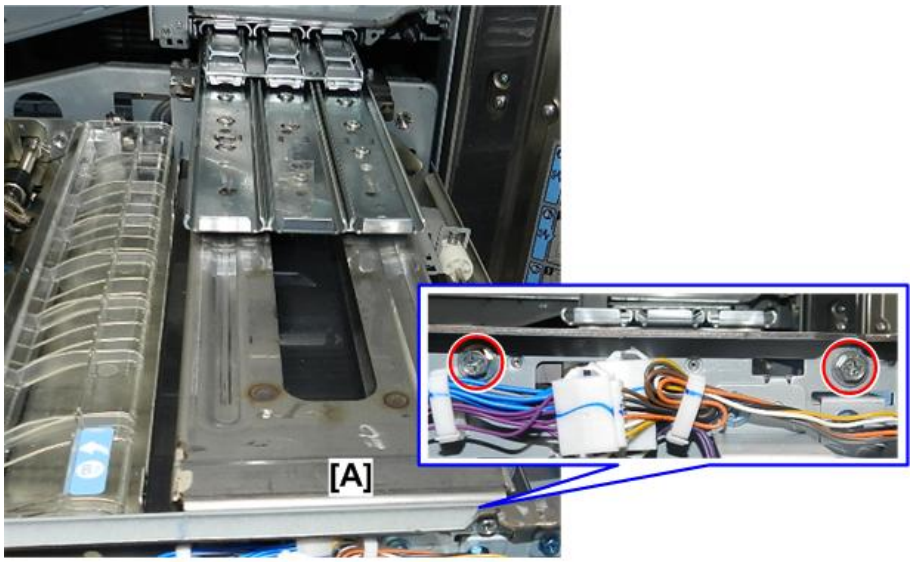

d270b3020

9. At the rear [A], disconnect the rear edge of the rail support plate (x2).



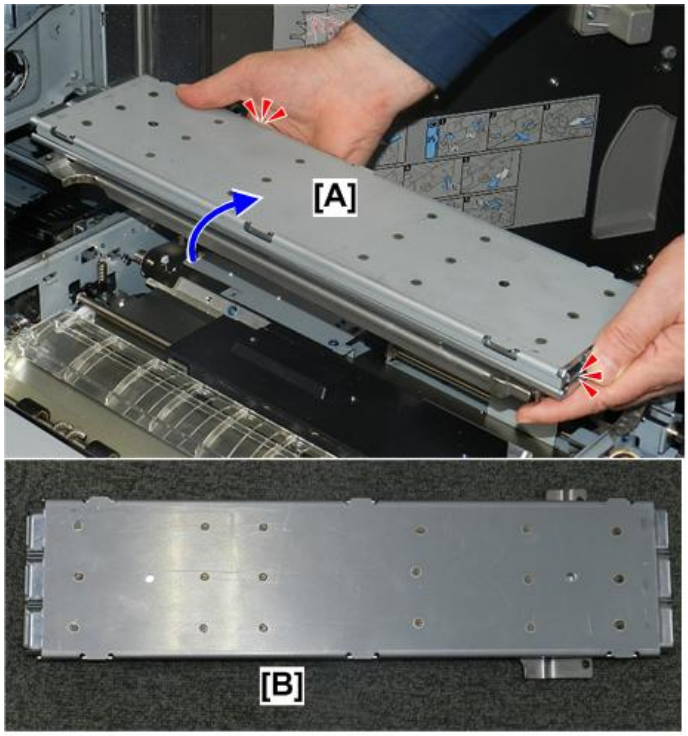
d270b3019

10. At the front [A], disconnect the front edge of the rail support plate (x2).



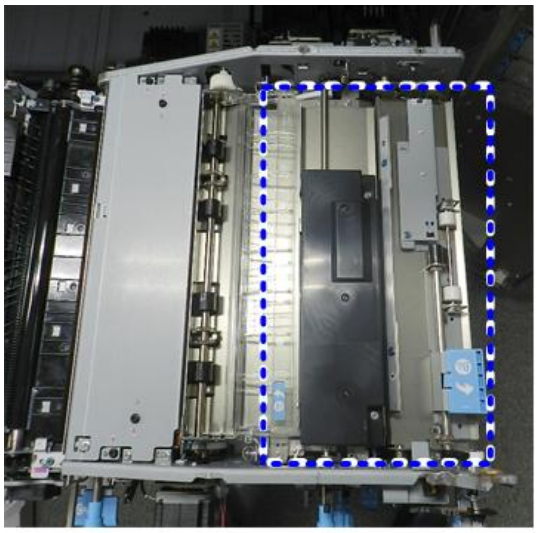
d270b3018

11. The rail assembly [A] is heavy. Use both hands to remove it from the machine.
12. Lay the rail assembly [B] on a flat surface as shown.



d270b3021

13. With the rail assembly removed, you can access components from the top of the registration unit.

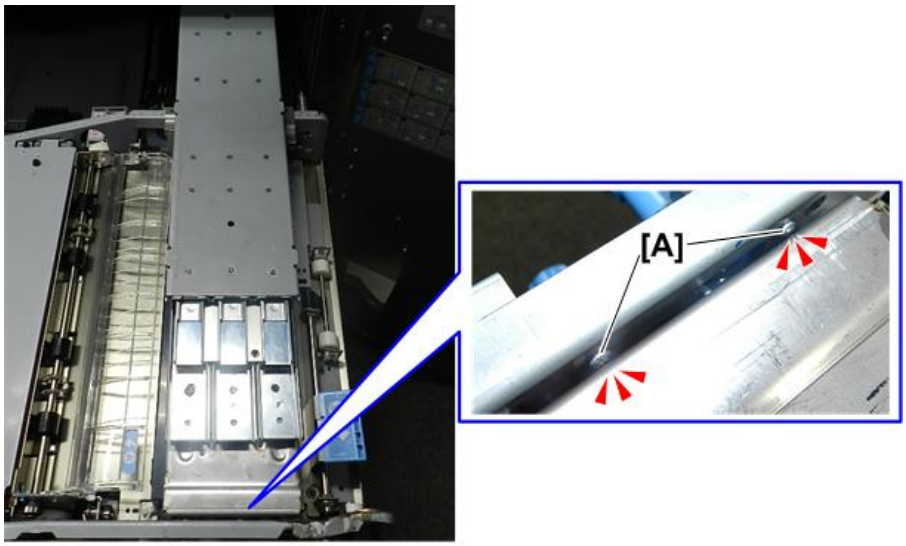


d270b3022

Re-installation

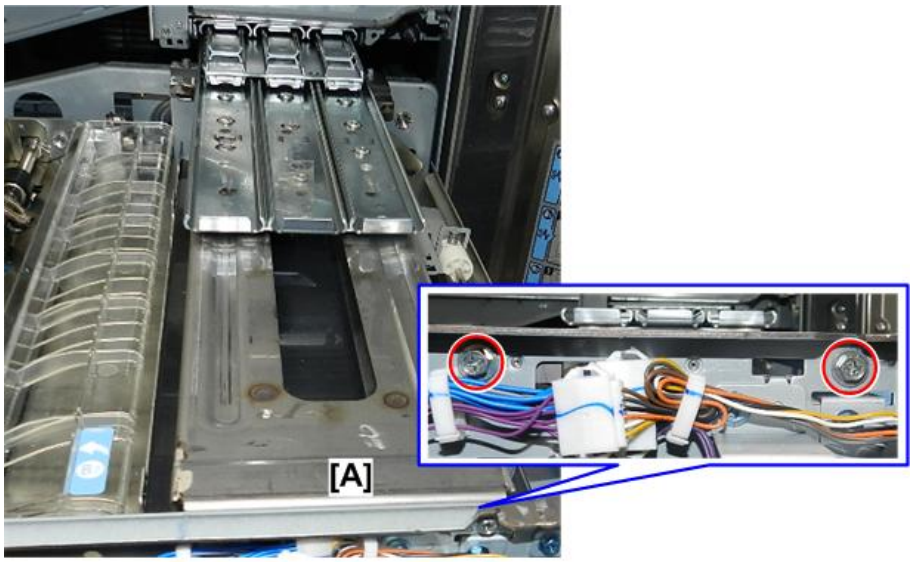
1. Set the rail assembly on the registration unit.

2. At the front edge [A], align the two bosses with the holes.



d270b3023a

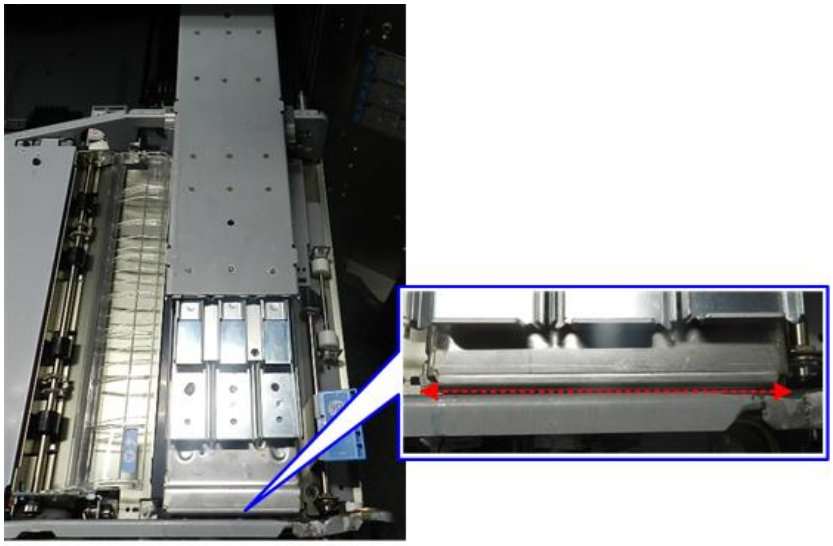
3. At the front edge of the registration unit [A], fasten the front end of the rail assembly (x2).



d270b3018

Important

- Tighten down these screws completely. If they are not down, they can obstruct the rail assembly when it is re-inserted into the machine.

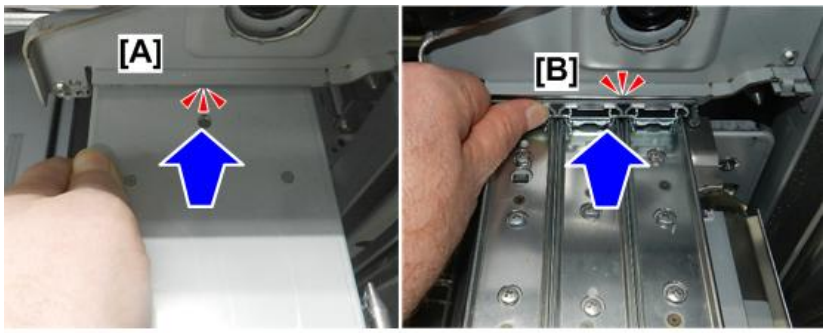


d270b3023b

4. Set the rear edge of the rail assembly at [A], and then push it into the machine until it stops [B].

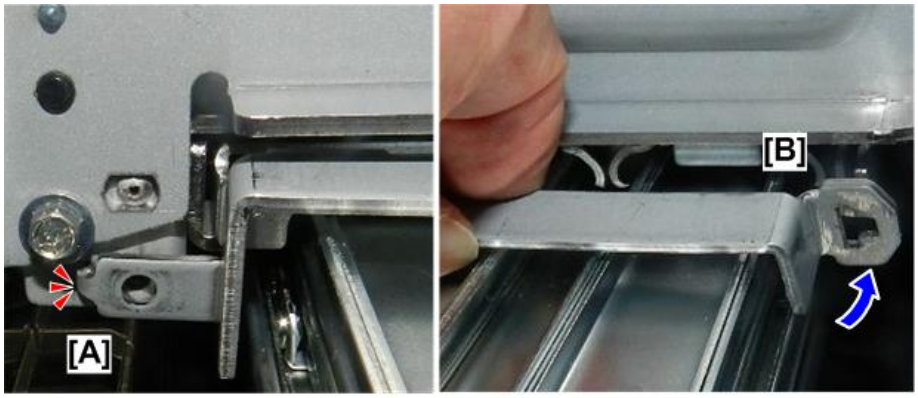
Important

- If the sleeve does not slide in easily, pull it out and try again.
- Do not strike the edge of the assembly to drive it into the machine.



d270b3025

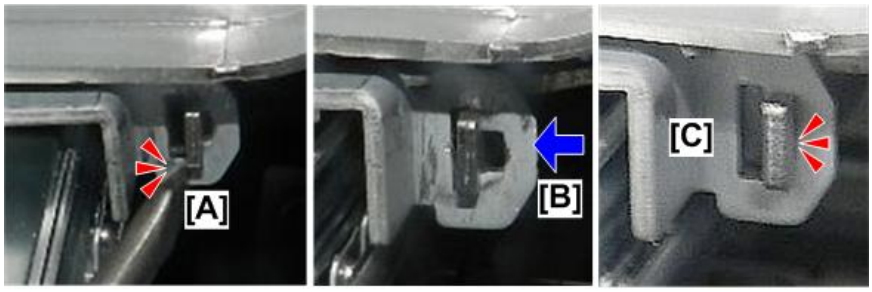
5. On the left, align the plate tab [A] with the hole.
6. On the right, align the plate keyhole [B] with the tab.



d270b3026

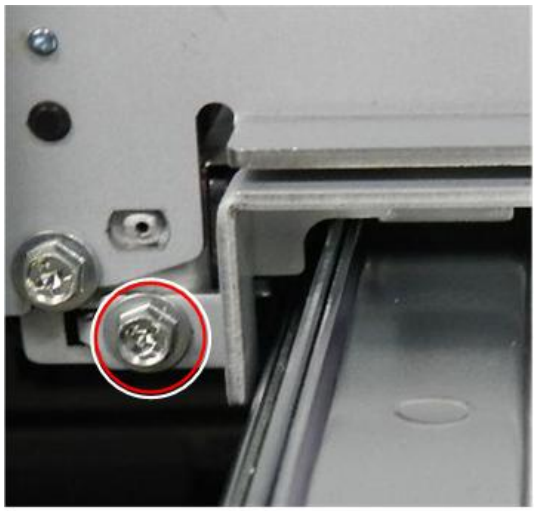
7. If the slot will not fit over the tab [A], use the tip of a screwdriver to push it in.

8. Slide the plate [B] to the left so that it locks in place [C].



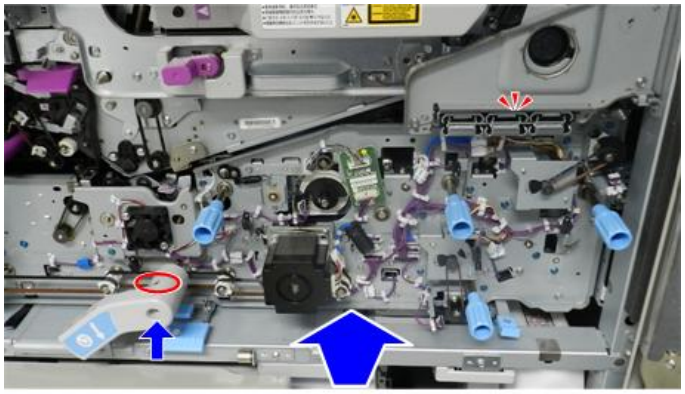
d270b3993

9. Fasten the plate on the left (x1).



d270b3994

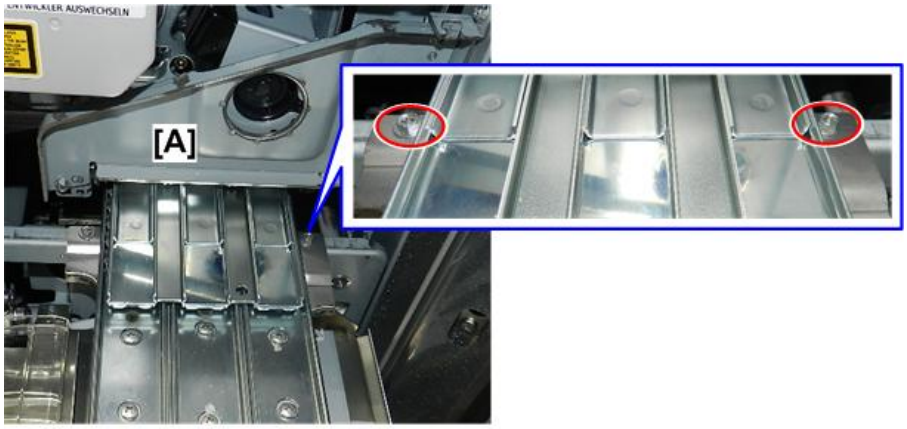
10. Re-attach lever C1, and then make sure that the drawer opens and closes smoothly (x2).
11. If the movement is not smooth, detach the rail and then re-attach it.



d270b3027

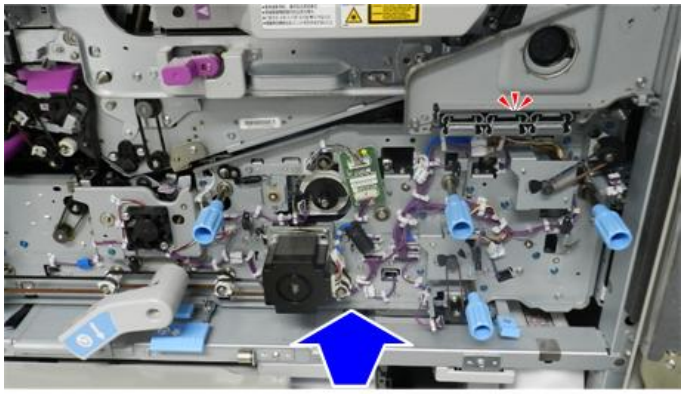
12. Pull out the drawer.

13. Fasten the plate at the rear [A] (x 2).



d270b3019

14. Before re-attaching the right front cover, once again make sure that the drawer slides in and out of the machine smoothly. If the movement is not smooth, detach the rail and then re-attach it.

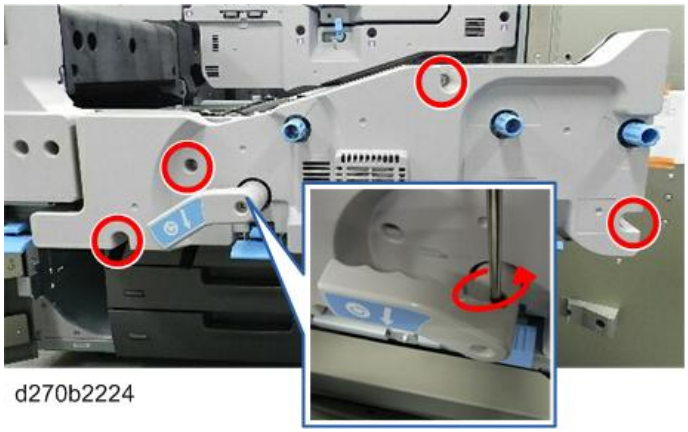


d270b3027a

15. Re-attach the right front cover of the drawer.

Drawer Right Cover

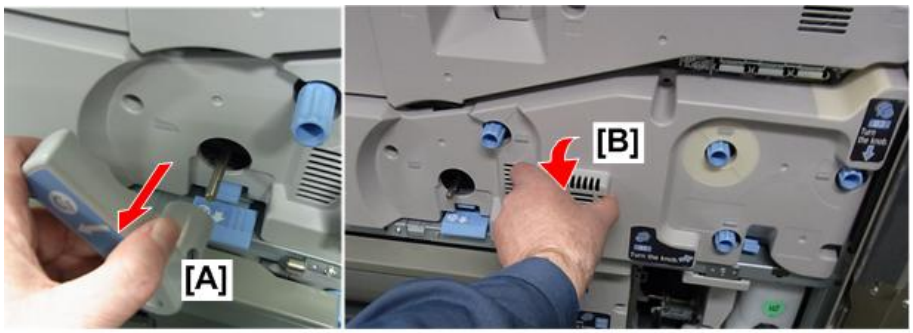
1. Disconnect the drawer right cover (x5).



d270b2224

2. Remove the handle [A].

3. Pull the cover [B] over the knobs.



d270b2225

4. Remove the cover.

d1792225

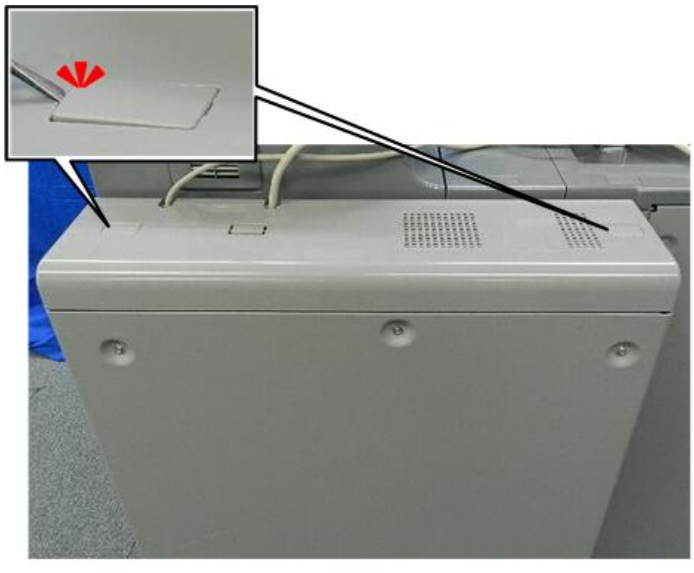
Controller Box, Controller Box Cover

Many procedures require that you open the controller box and remove its cover.

Opening the Controller Box

Copier Model

1. Remove the two caps.



d1792214

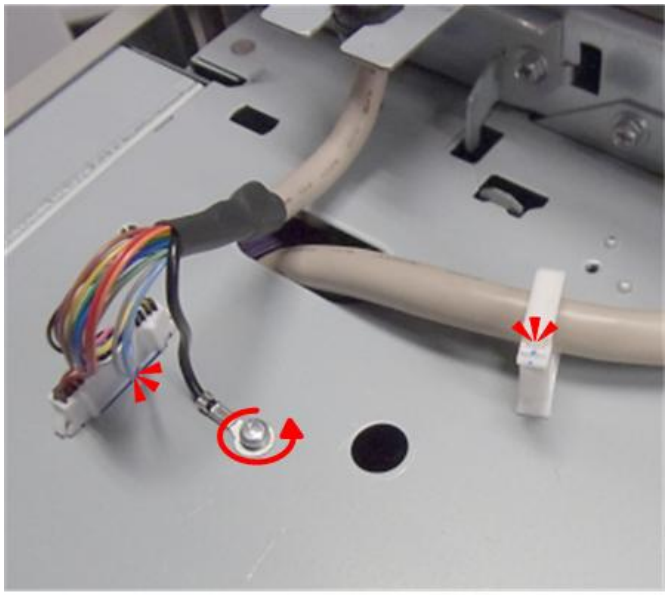
2. Disconnect the top cover (x2).

d1792215

3. Remove the top cover.

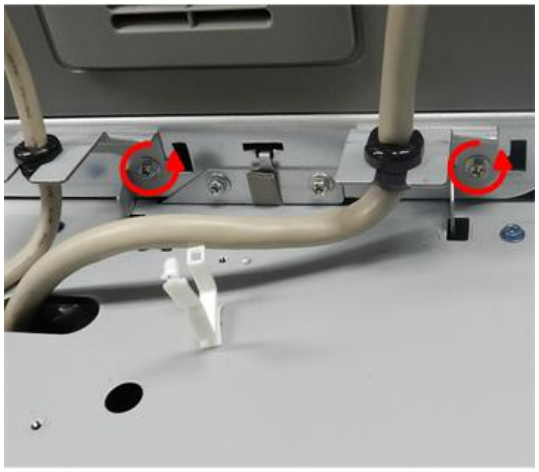
d270b2216

4. Disconnect the top of the controller box (x1, x1, x1).



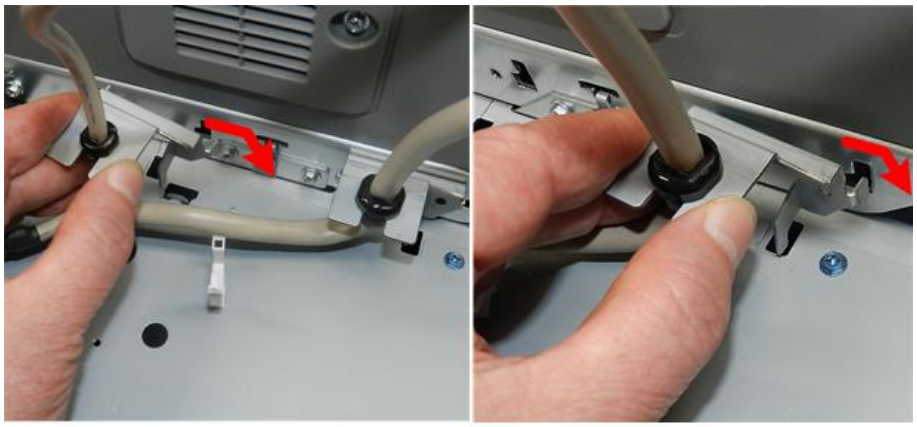
d270b2217

5. Disconnect the harness plates (x2).



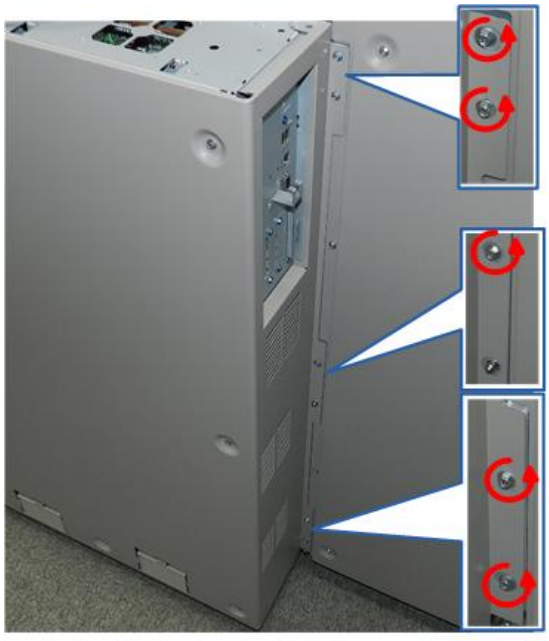
d270b2218

6. Unhook and disconnect both harness plates.



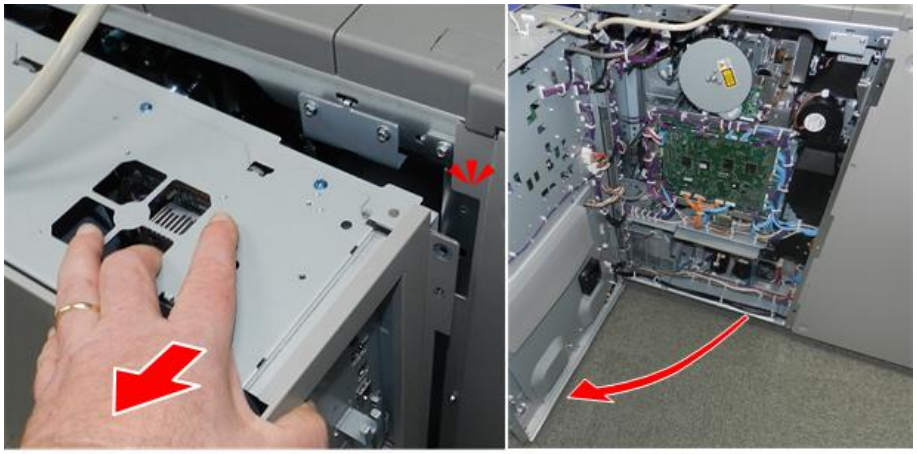
d270b2219

7. Disconnect the edge of the controller box (x5).



d270b2220

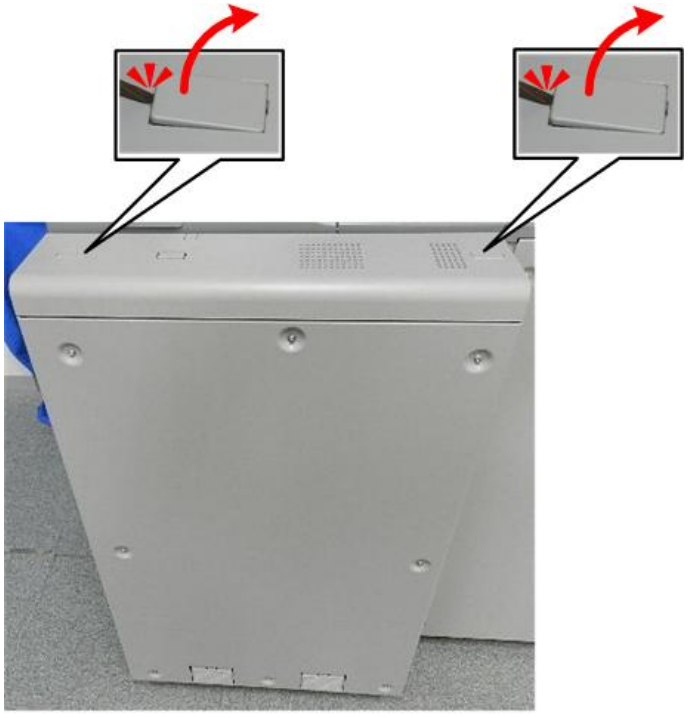
8. Swing the controller box open.



d270b2221

Printer Model

1. Remove the two caps.



m263b3021

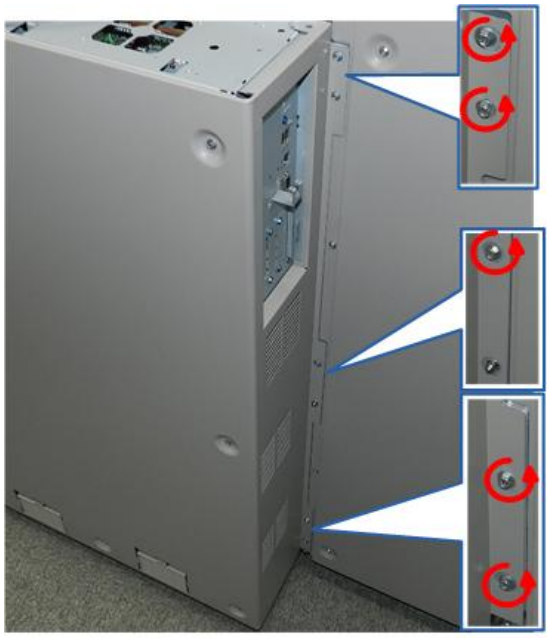
2. Disconnect the top cover (x2).

m263b3022

3. Remove the top cover.

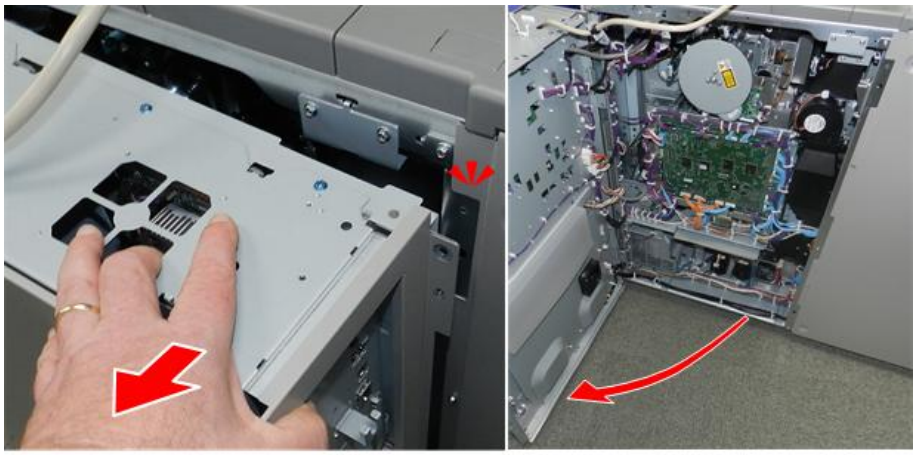
m263b3023

4. Disconnect the edge of the controller box (x5).



d270b2220

5. Swing the controller box open.



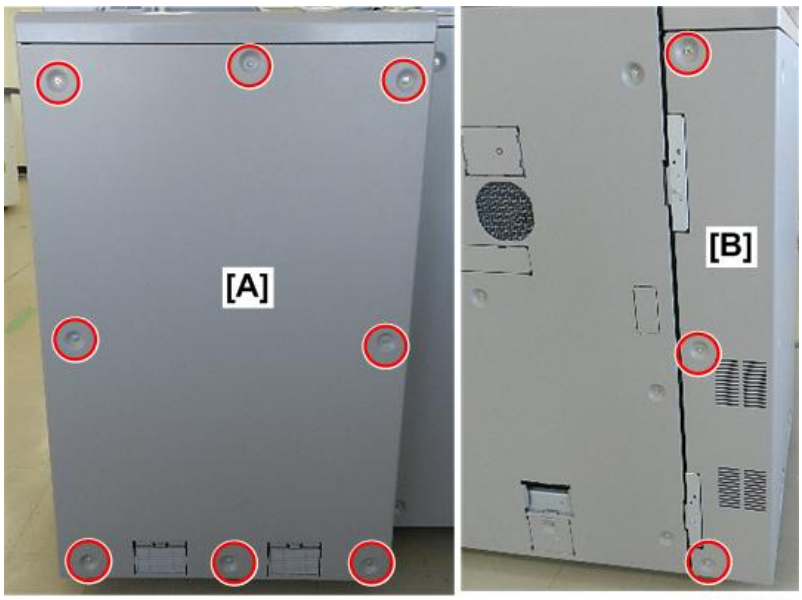
d270b2221

Removing the Controller Box Cover, Inner Cover

1. Unfasten the left side of the controller box cover (x2).

b3281289

2. Unfasten the back of the controller box cover [A] (x8).
3. Unfasten the right side of the cover [B] (x3).

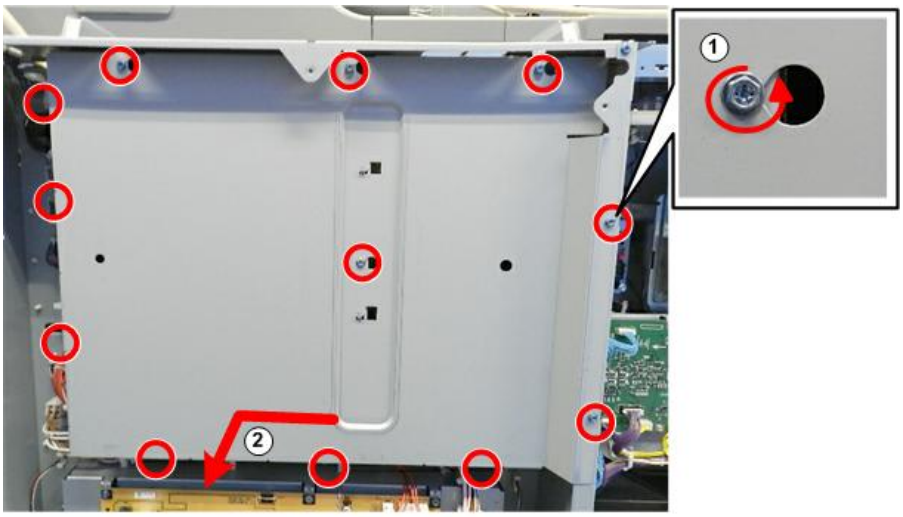


b3281290

4. Slide the cover off the top edges of the controller box, and then remove it.

b3281291

5. **Loosen** the screws of the inner metal cover (x12).
   - Do not remove these screws.
   - Each screw slides into a larger hole ① when the cover is pushed to the left ②.



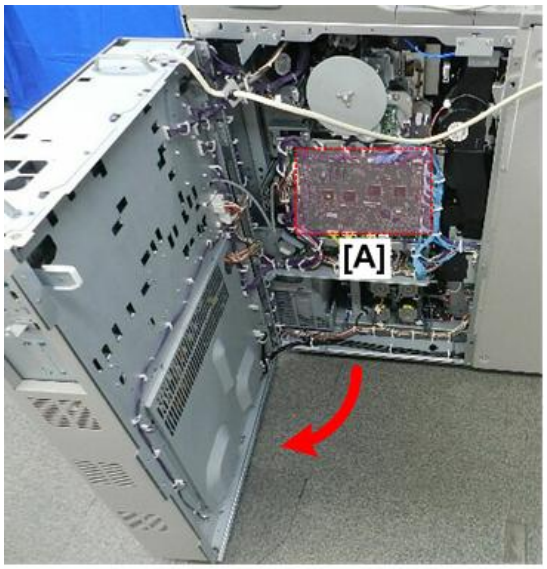
d1792501

6. Slide the cover to the left and then remove it.

Lowering the IOB Bracket

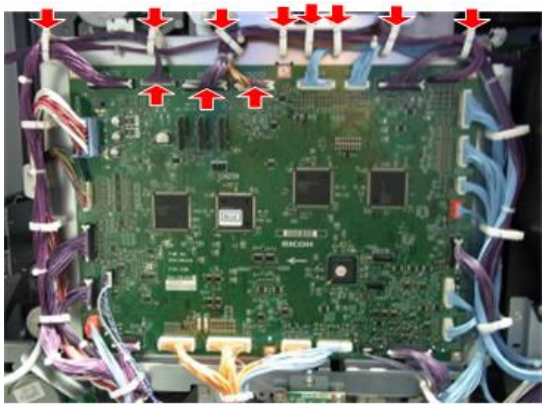
Many procedures require that you lower the IOB bracket without removing the IOB.

1. Open the controller box so that you can see the IOB [A]. (Opening the Controller Box)



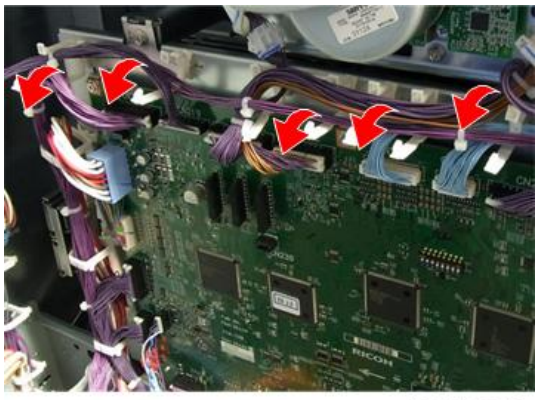
d270b3008

2. Disconnect the top of the IOB (x8, x3).



d270b3009

3. Free the harnesses along the top edge of the board.



d270b3010

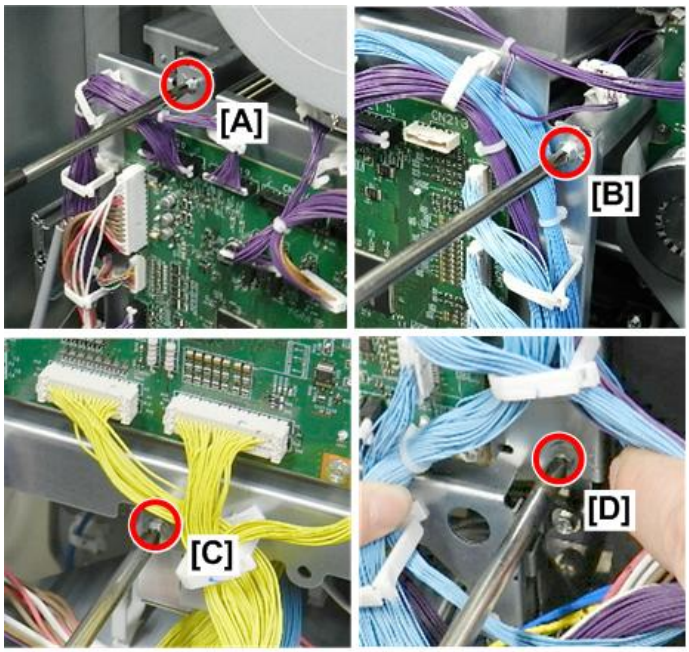
4. Disconnect the IOB:

   [A] Upper left (x1)

   [B] Upper right (x1)

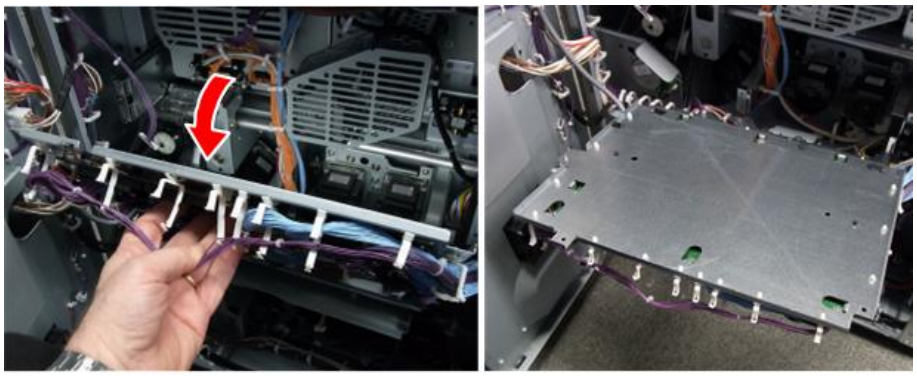
   [C] Lower left (x1)

[D] Lower right (x1)



d1794008

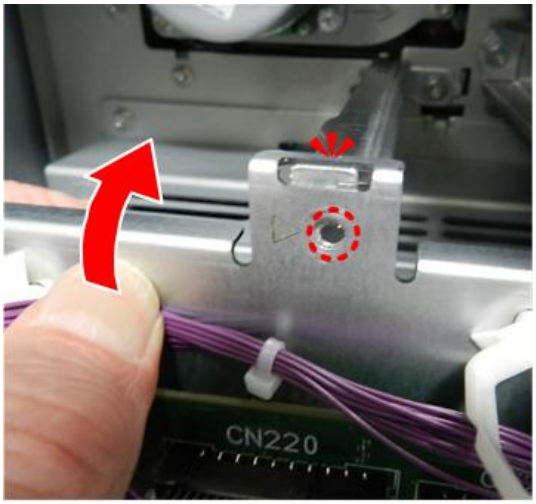
5. Lower the IOB bracket (with PCB attached) until it stops.



d270b3011

6. When you raise the IOB bracket to re-install it, check the upper left corner and confirm that the tab and slot

are engaged and that the holes are aligned as shown.



d270b3012

Controller Box Removal

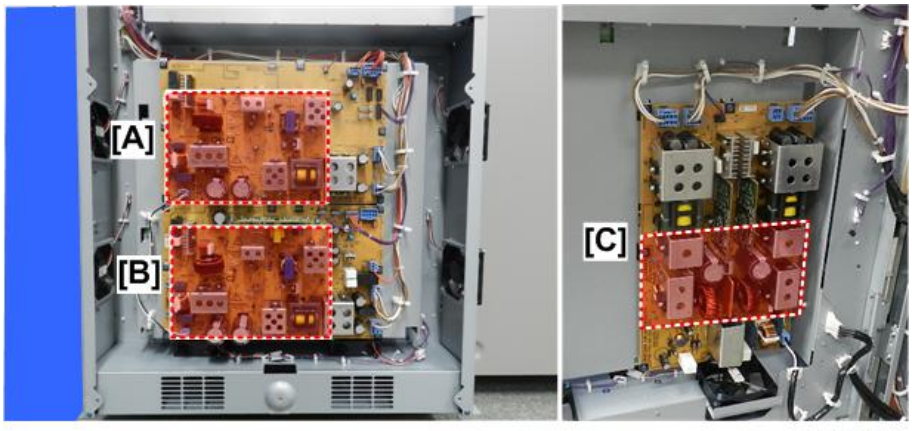
PSU Precautions

⚠CAUTION

To prevent electrical shock from residual voltage, never touch the areas outlined below on PSU-A [A], PCU-B [B], and PCU-C [C].

Residual charge (100V to 400V) can remain on the AC circuits on the PSU board for several months even after the board has been removed safely from the machine.

Turning the machine off and unplugging from its power source discharges only the DC circuits. Residual charge will remain on the AC circuits.



d270b3991

Copier Model

Follow this procedure to remove the controller box so that the machine can fit more easily through a door or onto a small elevator when it has to be moved.

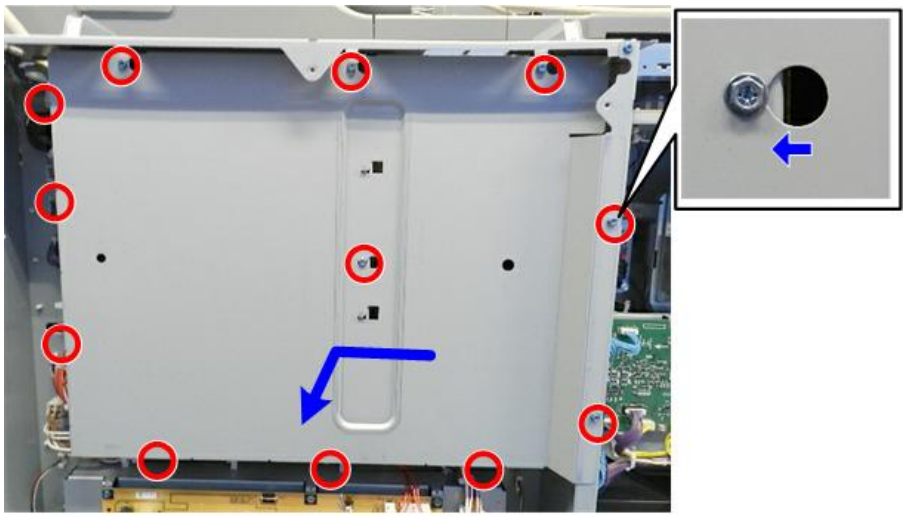
1. Open the controller box. (Opening the Controller Box)

d270b2226

2. Remove the controller box rear cover. (Opening the Controller Box)

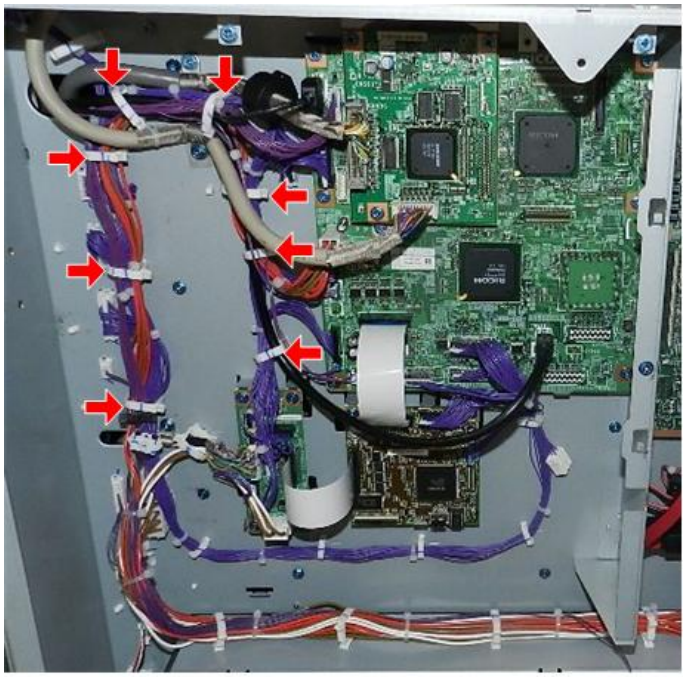
d270b2227

3. **Loosen** the screws, slide the inner cover to the left, and then remove it.



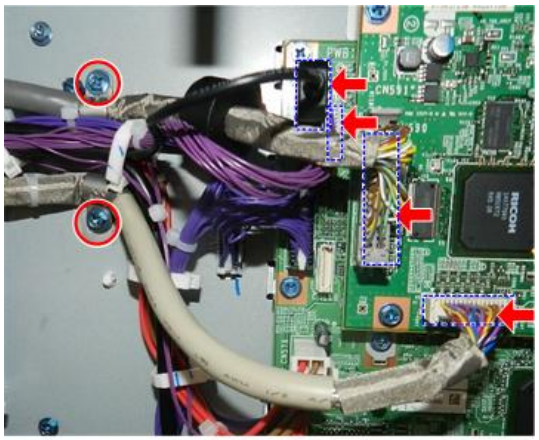
d270b2228

4. Free the harnesses (x8).



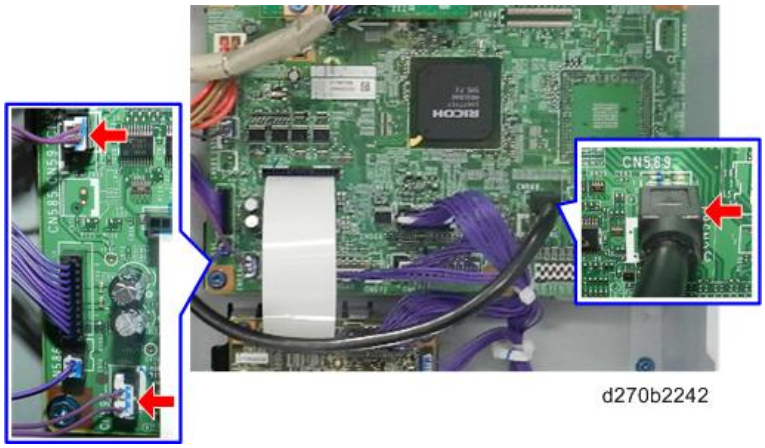
d270b2229

5. Disconnect the harnesses at the upper left corner of the controller board (x2, x4)



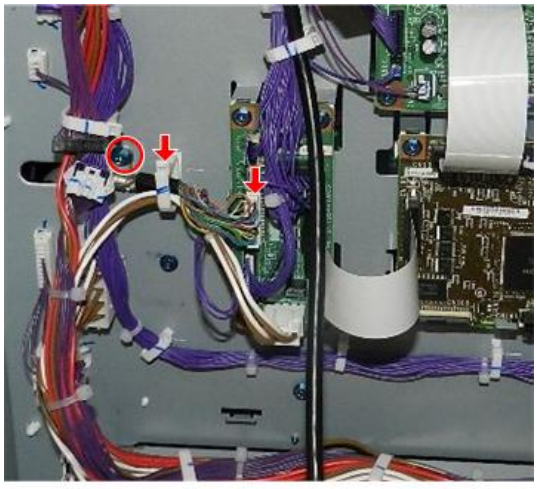
d270b2230

6. Disconnect harnesses from the bottom of the board (x3).



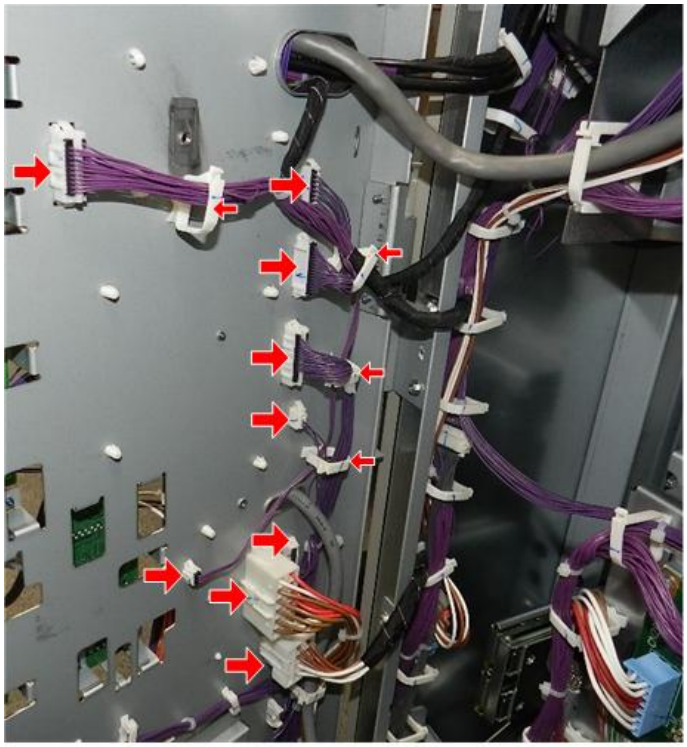
d270b2242

7. At the lower left, disconnect the shielded cable (x1, x1, x1)



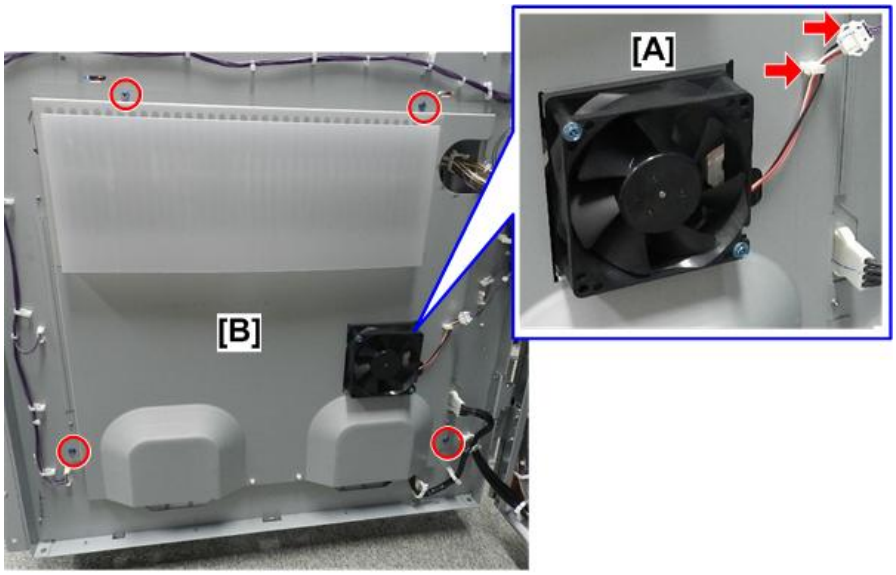
d270b2231

8. Disconnect harnesses on the back side of the controller box (x4, x9).



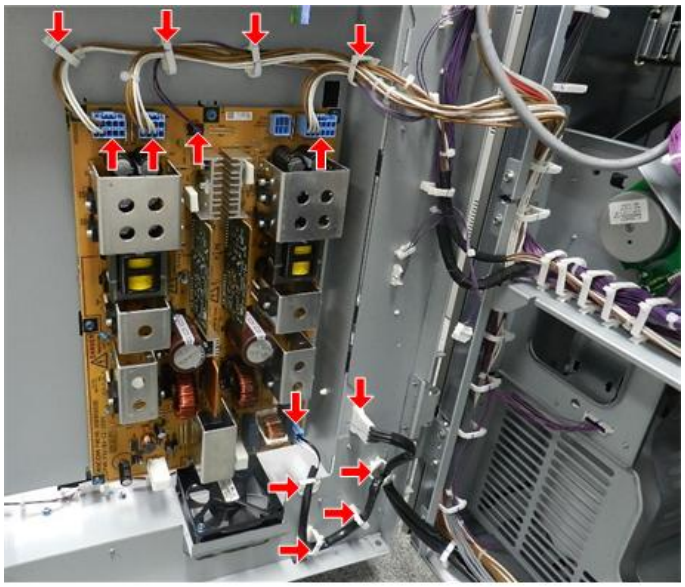
d270b2232

9. Disconnect the fan [A], and then remove the PSU cover [B] (1x, x1, x4).



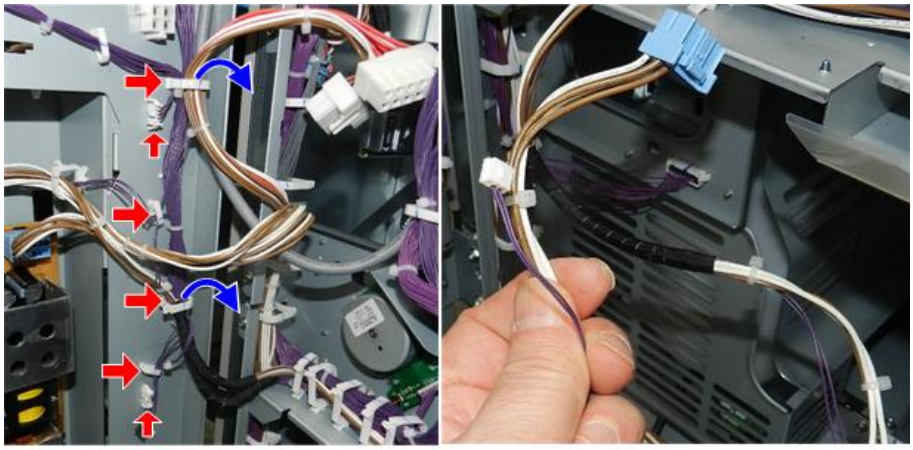
d270b2241

10. Disconnect the PSU-C (x8, x7)



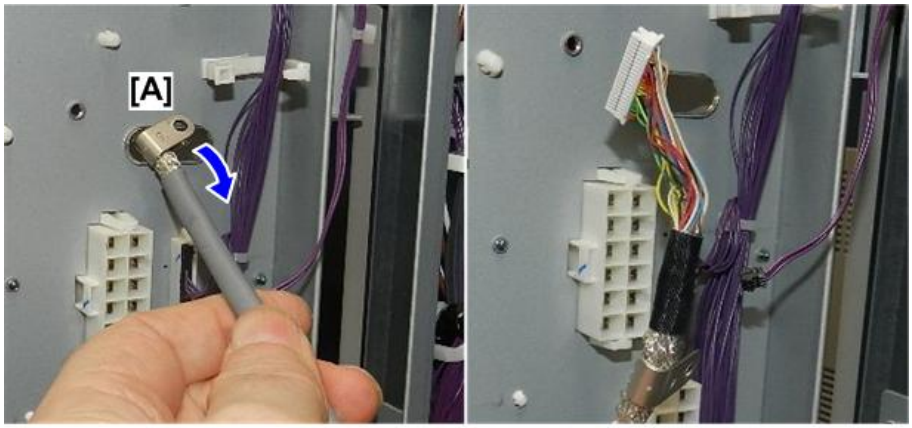
d270b2233

11. Disconnect the double harness (x2, x1)



d270b2234

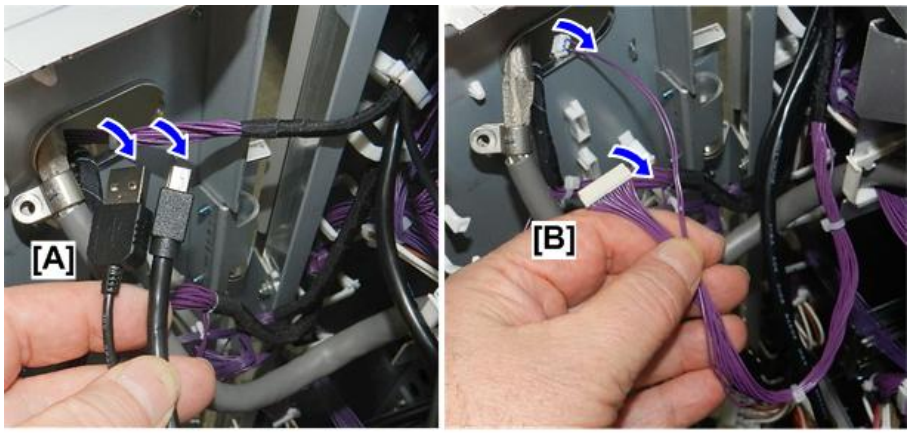
12. Pull the shielded cable through the frame.



d270b2235

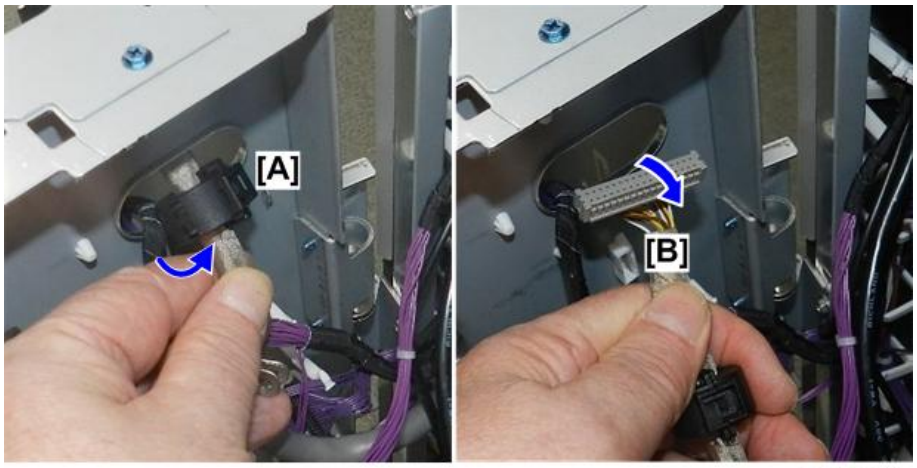
13. At the top, first pull the black cables [A] through the frame.

14. Next, pull the double harness [B] through the frame.



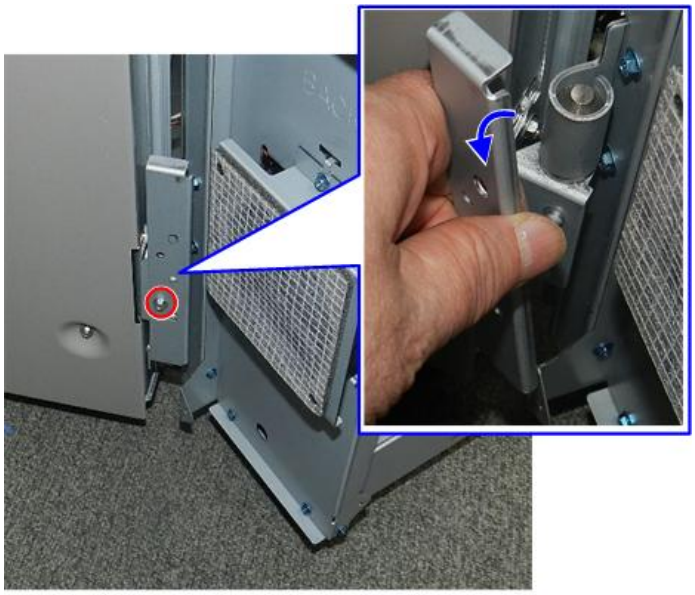
d270b2236

15. Finally, pass the ferrite core [A] of the shielded cable through the hole, and then pull the cable [B] through the hole.



d270b2237

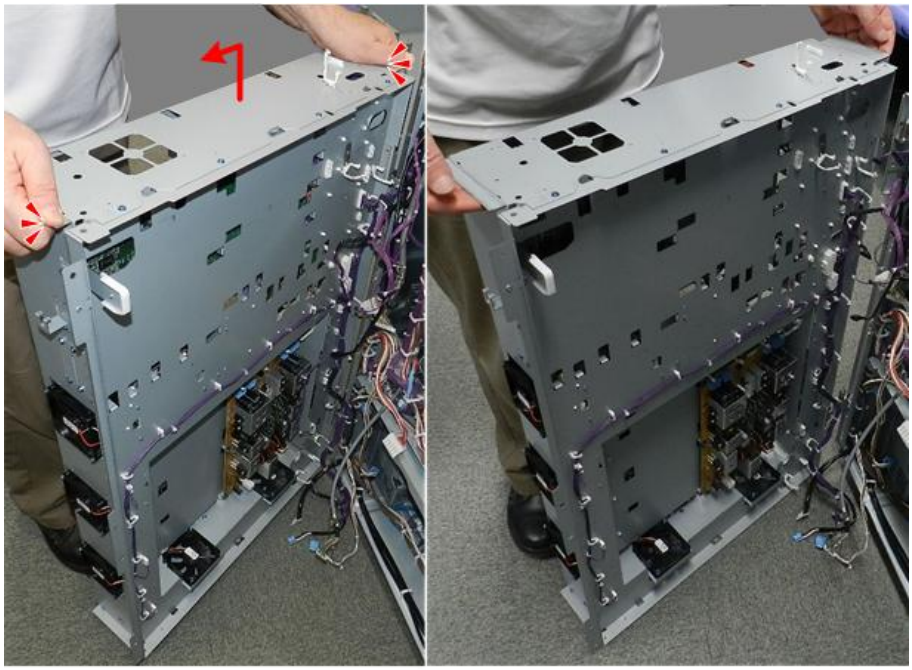
16. At the bottom of the box on the right rear corner of the machine, remove the lock bracket (x1).



d270b2238

17. Grip both ends of the top of the box.

18. Pull the box up off its hinge pegs, and then pull it away from the machine.



d270b2239

19. Set the box in a location where it will not fall over while you move the machine.

d270b2240

Printer Model

Follow this procedure to remove the controller box so that the machine can fit more easily through a door or onto a small elevator when it has to be moved.

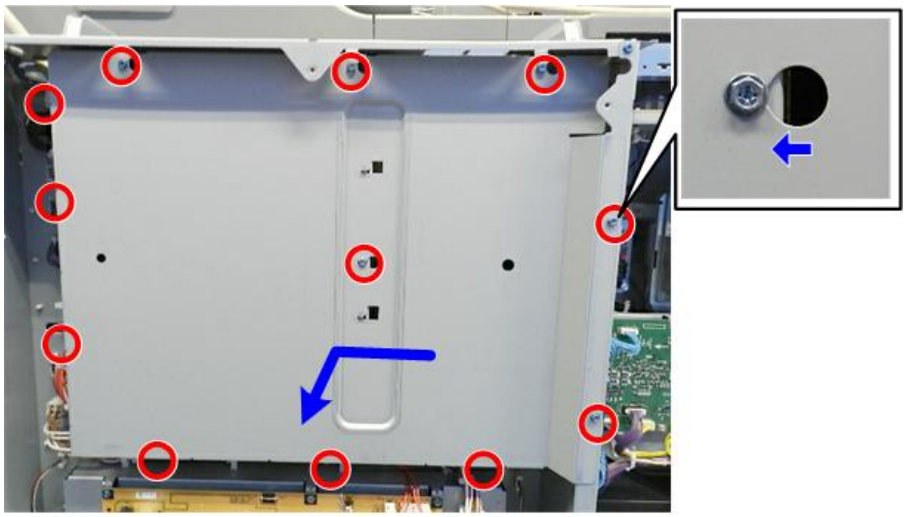
1. Open the controller box. (Opening the Controller Box)

d270b2226

2. Remove the controller box rear cover. (Removing the Controller Box Cover, Inner Cover)

d270b2227

3. Remove the controller box inner cover. (Removing the Controller Box Cover, Inner Cover)



d270b2228

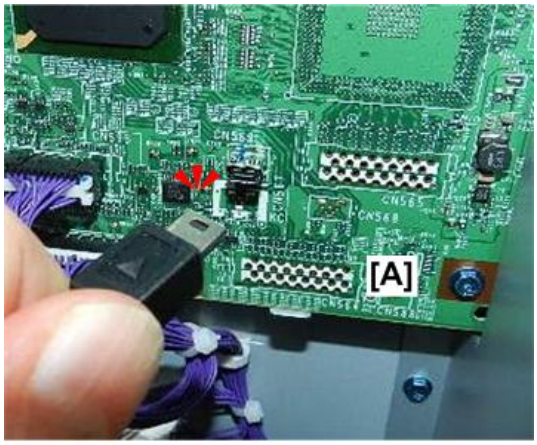
4. Open the clamps (x8).

Note

- The connection point at [1] is empty.

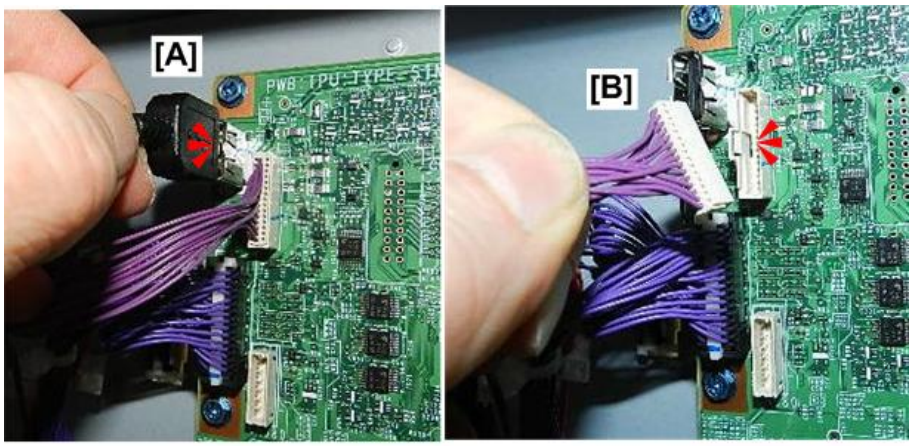
m263b3031

5. Disconnect the harness at the lower right corner of the controller board [A] (x1).



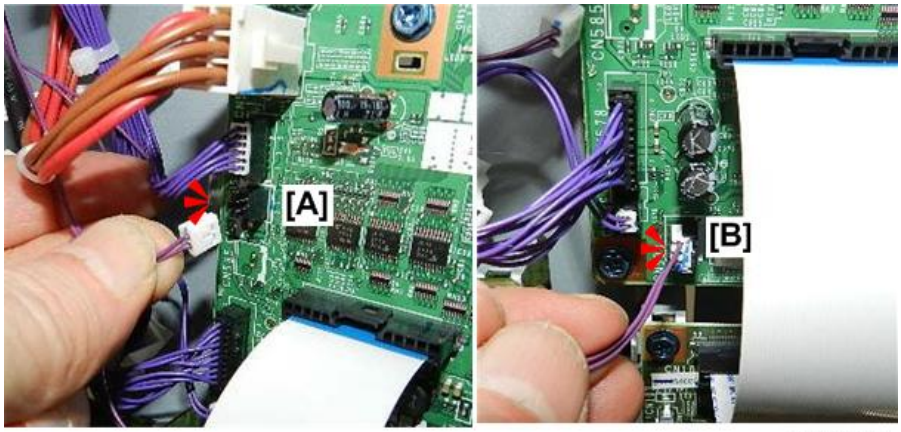
m263b3032

6. At the upper left corner, disconnect harnesses [A] and [B] (x2).



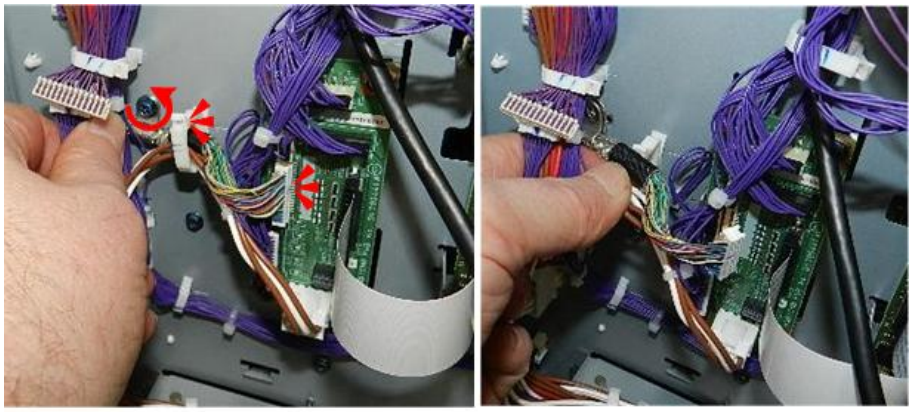
m263b3033

7. At the lower left corner, disconnect harnesses [A] and [B] (x2).



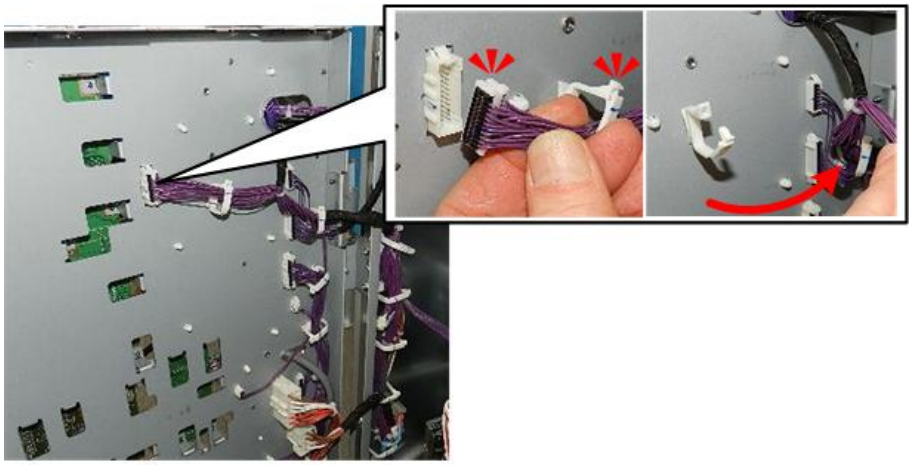
m263b3034

8. At the lower left, disconnect the shielded harness (x1, x1, x1).



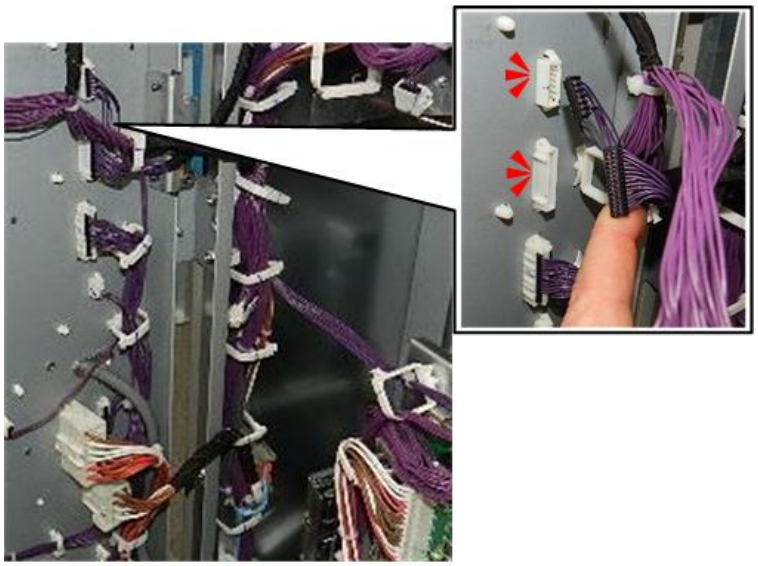
m263b3035

9. On the back of the controller box frame, disconnect a harness (x1, x1).



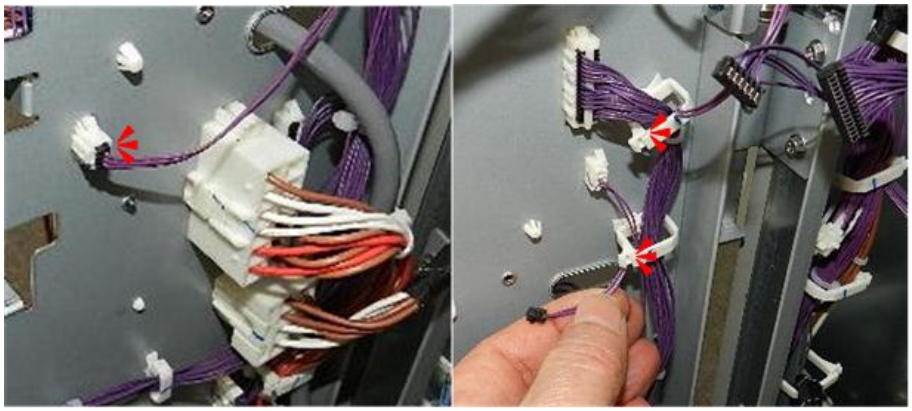
m263b3036

10. Near the top hinge, disconnect harnesses (x2).



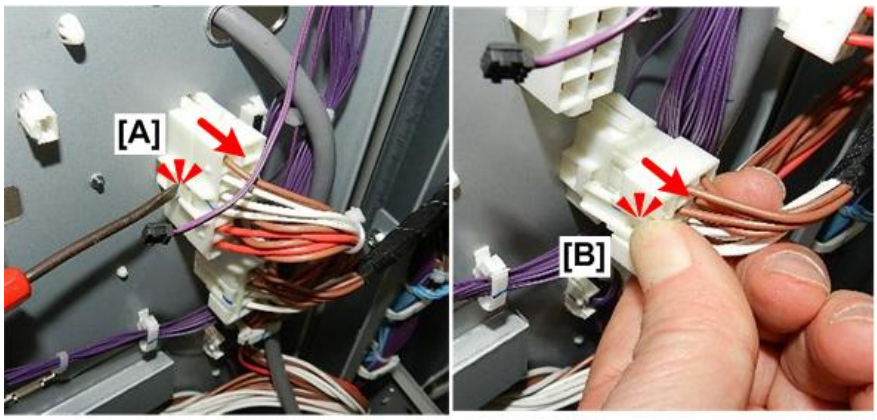
m263b3037

11. Near the bottom right corner, disconnect the small harness (x1, x2).



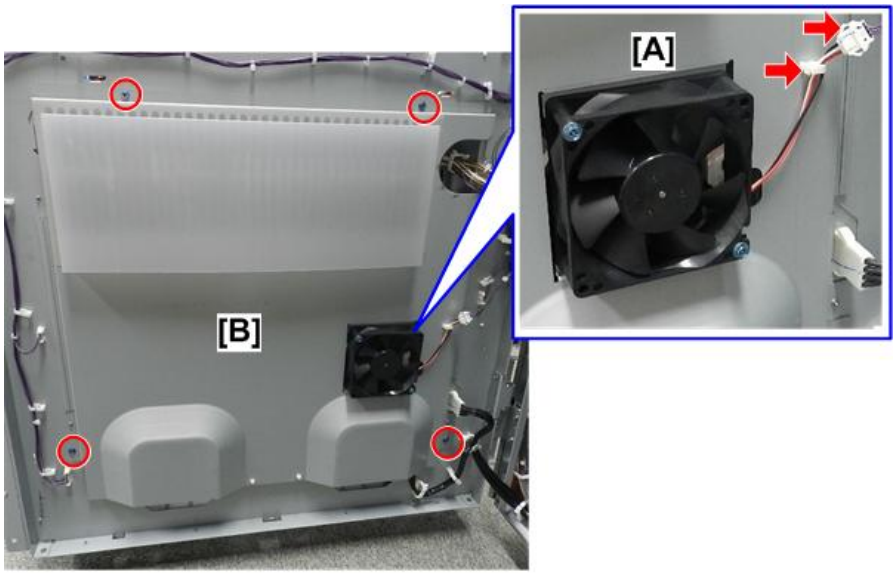
m263b3038

12. At the lower right corner, disconnect the top connector [A] and the lower connector [B] (x2).



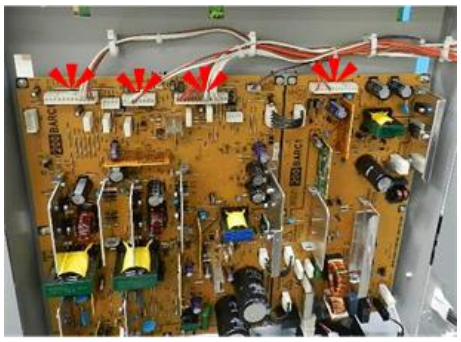
m263b3039

13. Disconnect the fan [A], and then remove the PSU cover [B] (1x, x1, x4).



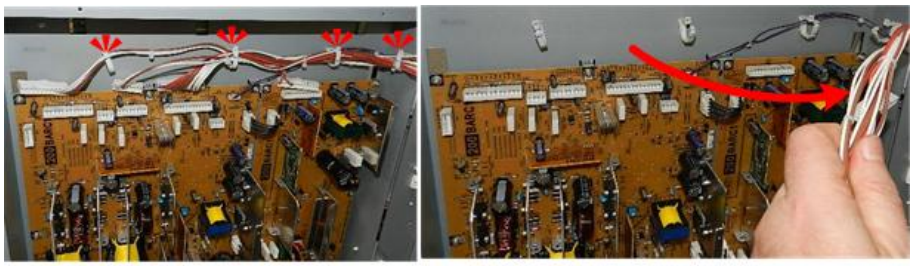
d270b2241

14. Disconnect the top edge of the PSU (x4).



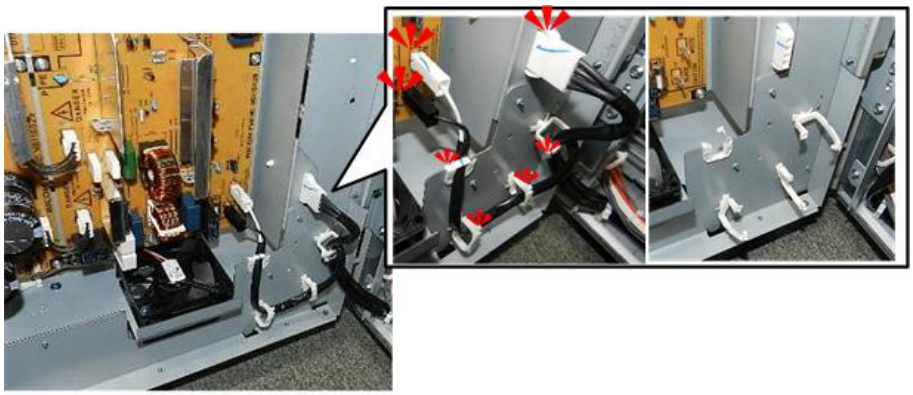
m263b3041

15. Free the harnesses at the top of the PSU (x4).



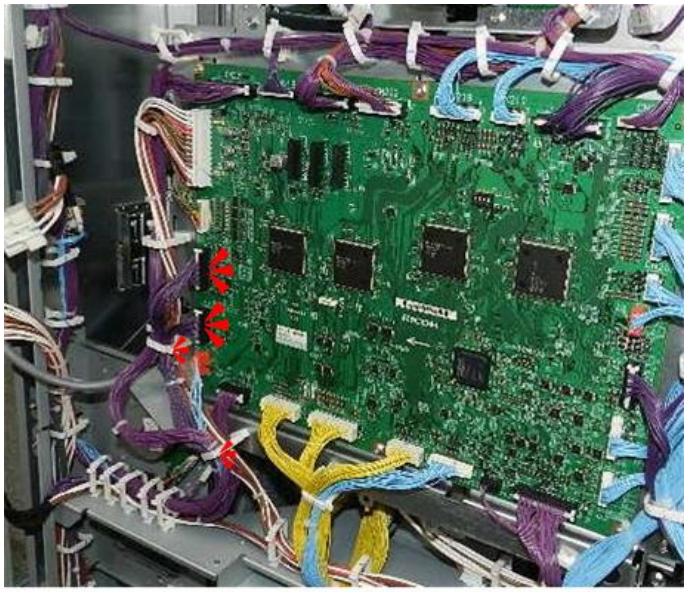
m263b3045

16. Disconnect the lower right corner of the PSU (x3, x4).



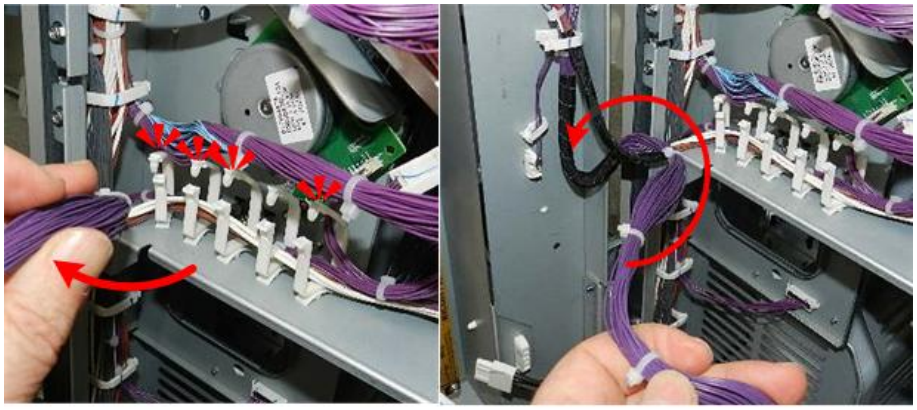
m263b3042

17. Disconnect the IOB (x2, x2).



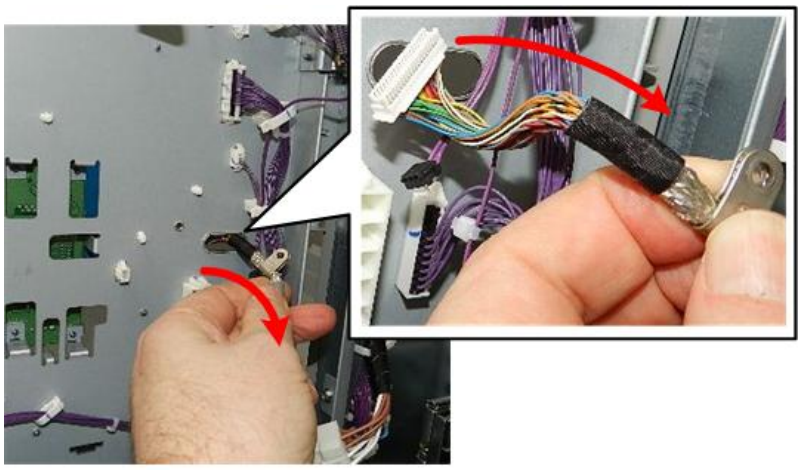
m263b3043

18. Free the IOB harness (x5).



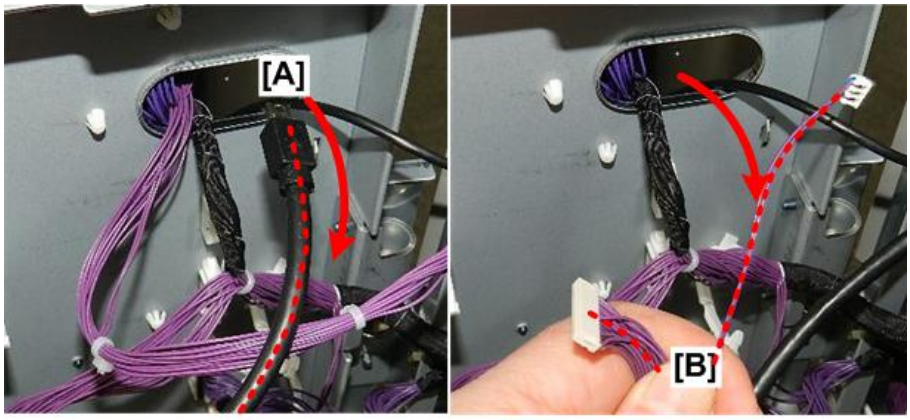
m263b3044

19. Pull the shielded harness through the frame.



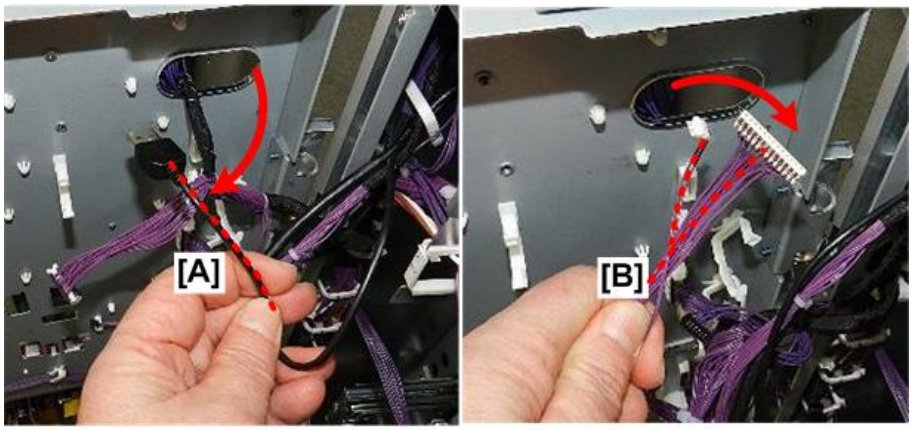
m263b3046

20. At the upper right corner, pull the first harness [A] and the second harness [B] through the frame.



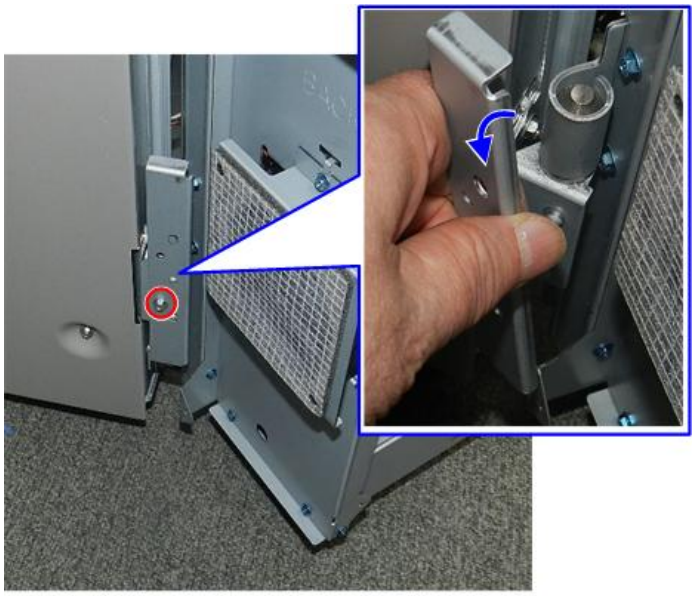
m263b3047

21. At the same location, pull the third harness [A] and the fourth harness [B] through the frame.



m263b3048

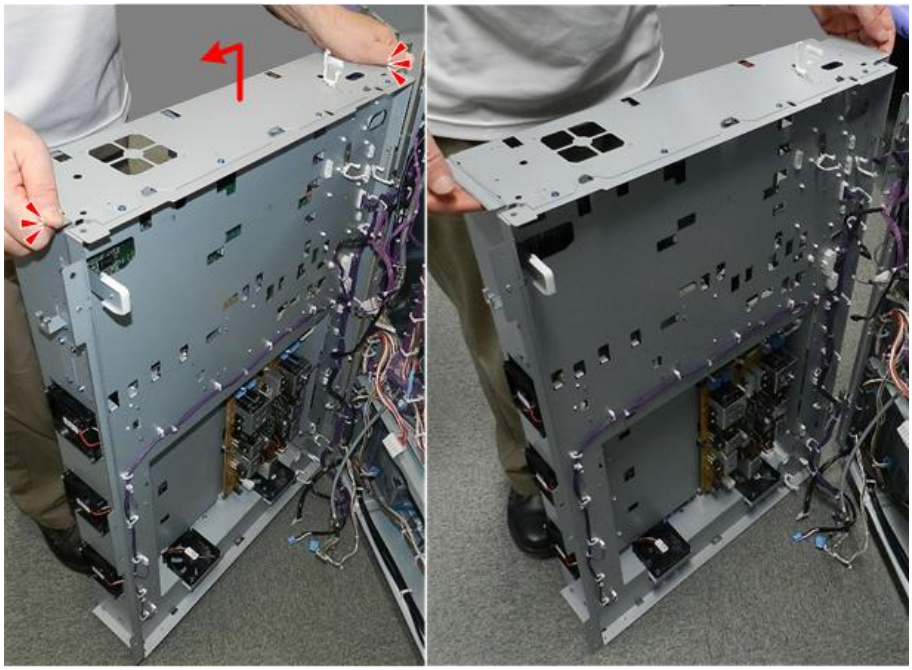
22. At the bottom of the box on the right rear corner of the machine, remove the lock bracket (x1).



d270b2238

23. Grip both ends of the top of the box.

24. Pull the box up off its hinge pegs, and then pull it away from the machine.



d270b2239

25. Set the box in a location where it will not fall over while you move the machine.

d270b2240

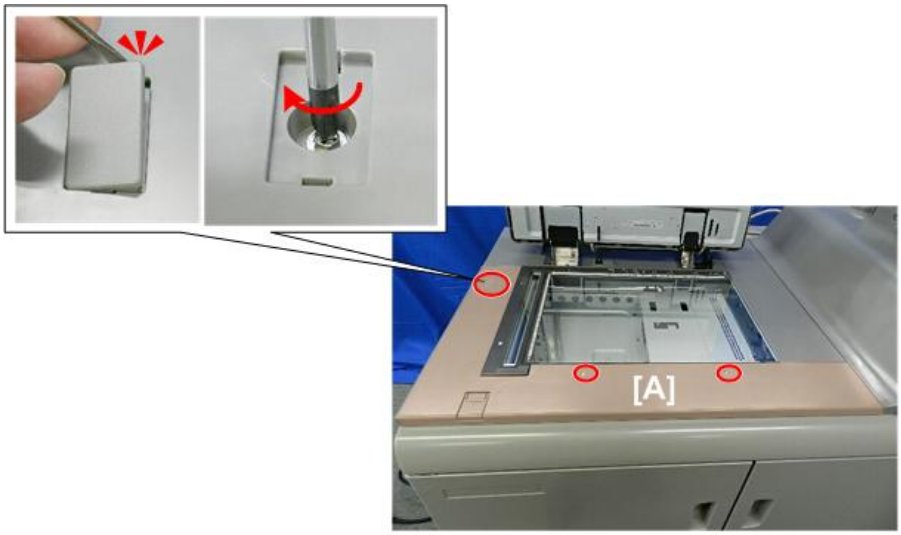
Canopy Cover Removal

The beginning of this procedure for the copier model is different from the printer model.

- With the copier model, you must first remove the edge covers around the exposure glass.
- The printer model requires the removal of the top cover and edge covers.

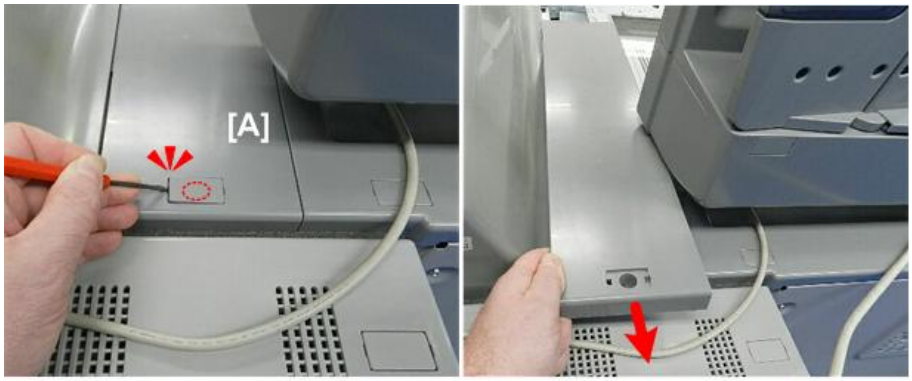
Copier Model

1. Raise the scanner unit.
2. Remove the scanner "L" cover [A] (cap x1, x1, x2).



d1792701

3. At the rear, remove the exposure glass right cover [A] (cap x1, x1).



d1792702

4. Cover the exposure glass to protect it.

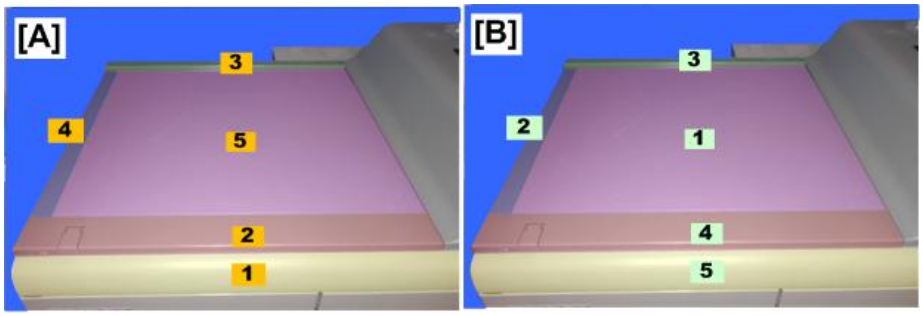
d1792703

Printer Model

Follow this procedure to remove the top cover of the printer model.

1. The covers are removed in order:

[A]	Removal Order	[B]	Re-installation Order
1	Front frame cover (x3)	**1**	Top cover (x9)
2	Front edge cover (x3)	**2**	Left edge cover (x2)
3	Rear edge cover (x3)	**3**	Rear edge cover (x3)
4	Left edge cover (x2)	**4**	Front edge cover (x3)
5	Top cover (x9)	**5**	Front frame cover (x3)



m263b0001

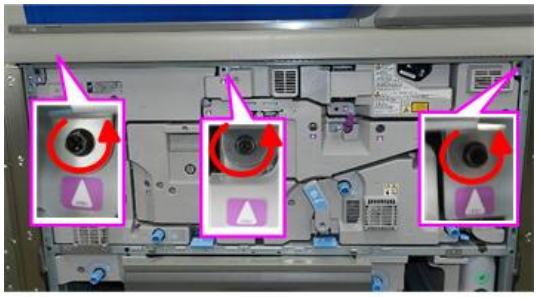
Important

- Remove them in order [A], and then be sure to re-install them in reverse order [B]

2. Open the front doors.

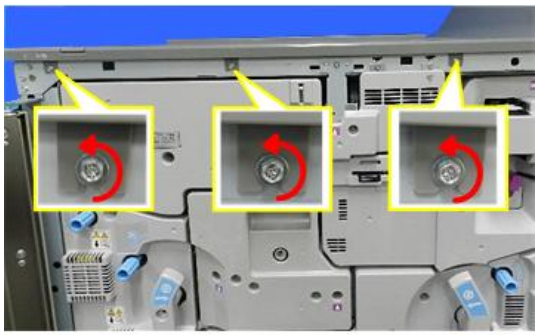
m263b0002

3. Disconnect and remove the front frame cover (x3).



m263b0003

4. Disconnect the front edge cover (x3).

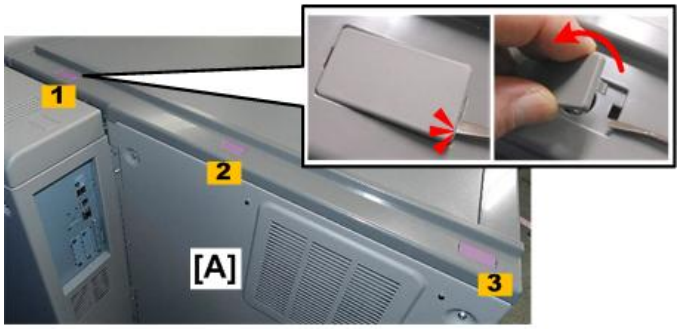


m263b0005

5. Remove the front edge cover.

m263b0006

6. At the back of the machine, use the tip of a small driver to remove the three screw covers of the rear edge cover.



m263b0007

7. Disconnect the rear edge cover (x3).

m263b0008

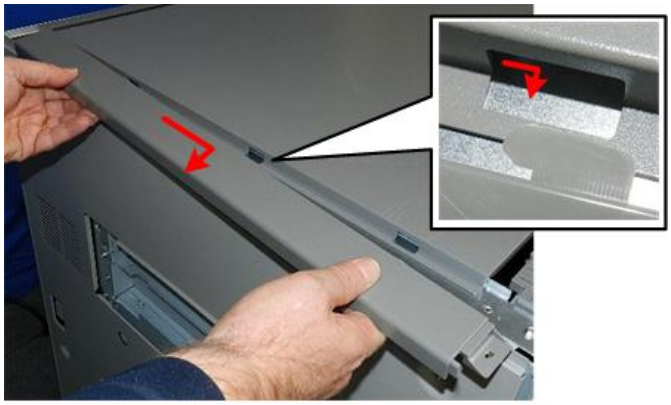
8. Slide the cover slightly to the right to unhook it, and then remove it.

m263b0009

9. Disconnect the left edge cover (x2).

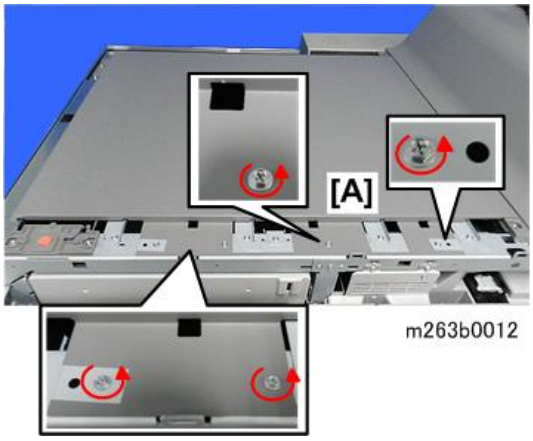
m263b0010

10. Slide the cover slightly to the right to unhook it, and then remove it.



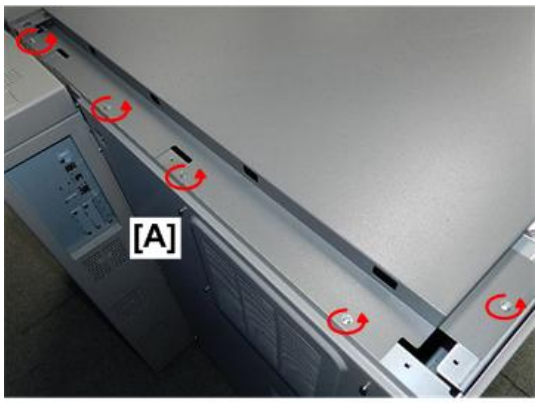
m263b0011

11. At the back of the machine [A], disconnect the edge of the top cover (x4).



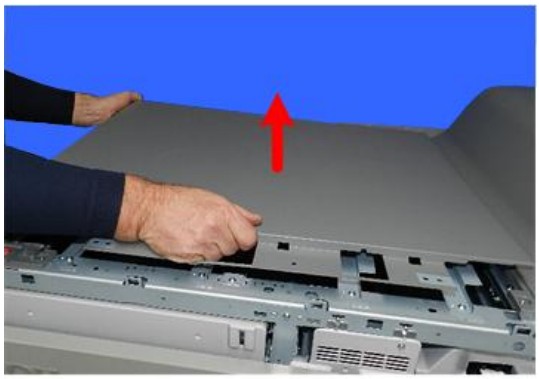
m263b0012

12. At the back of the machine [A], disconnect the rear edge and corner of the top cover (x5).



m263b0013

13. Remove the top cover.


m263b0014

14. Spread a drop cloth over the open top of the machine to prevent screws, tools, or other objects from falling

into the machine.

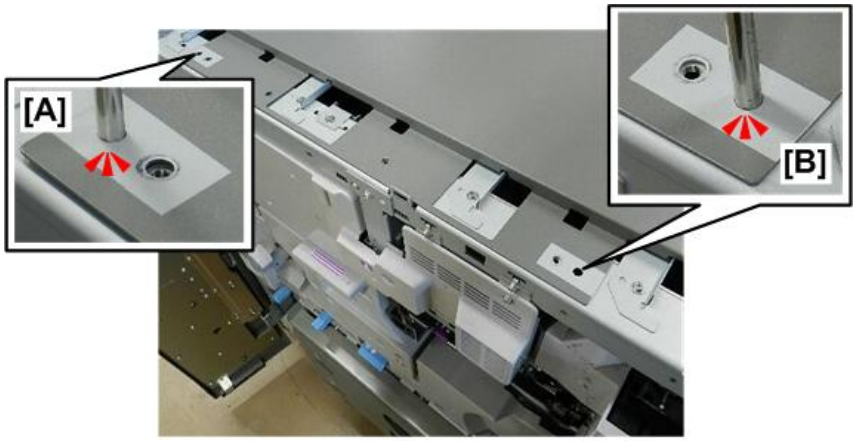
m263b0016

15. This completes removal of the top and edge covers.

Re-installation

To make sure that the top cover is aligned correctly when you re-install it:

1. Insert a driver into the hole in the left [A].
2. Insert the driver into the hole in the right [B].



m263b3015

This ensures that the top cover is aligned correctly.

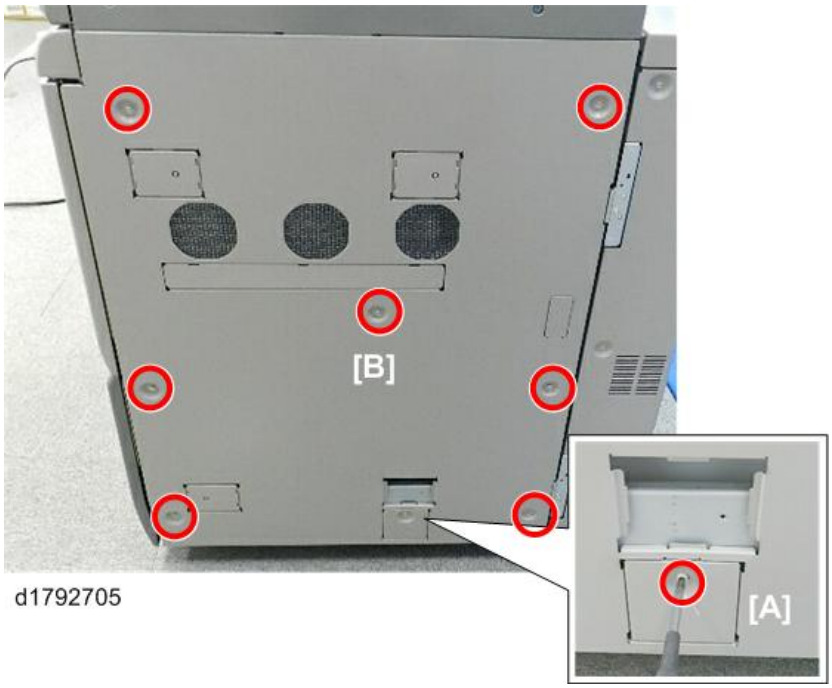
Canopy Cover Removal: Continued

The remaining procedures are the same for both the copier model and the printer model.

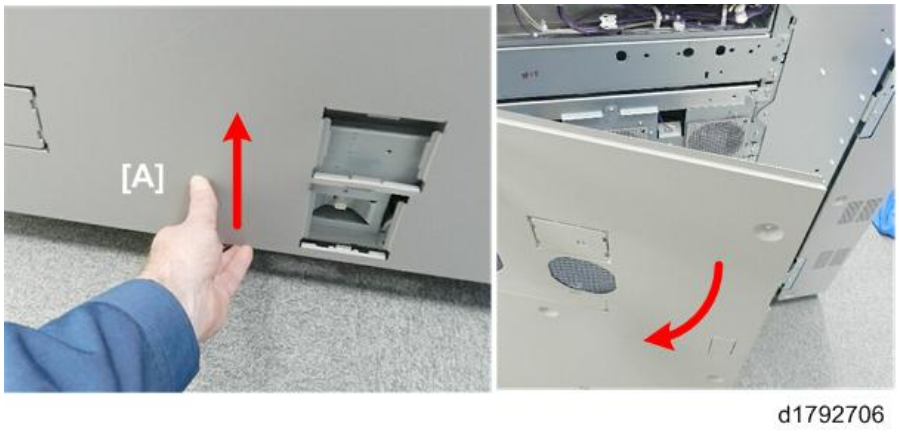
1. Disconnect the attention light base [A] (x3).

2. Disconnect the bottom of the attention light [B] and remove the light (x2, x1).

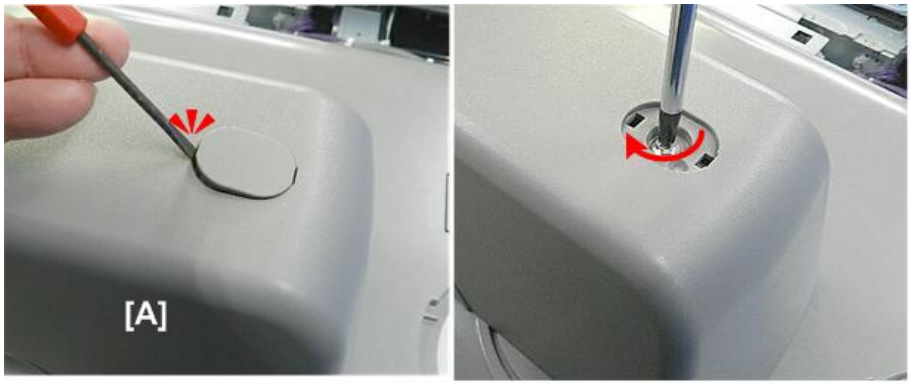
3. On the right side, remove the LCIT heater connector cover plate [A] (x1).
4. Disconnect the right cover [B] (x7).



5. Lift the cover base [A] and pull the right cover away from the machine.

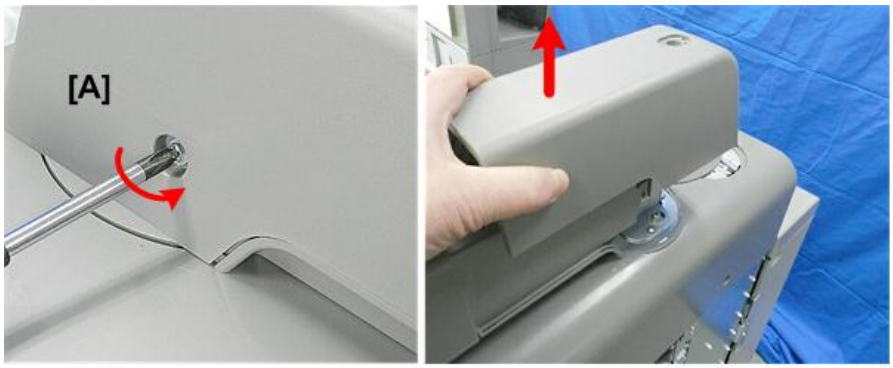


6. Disconnect the top of the operation panel arm cover [A] (cap x1, x1).



d1792707

7. Disconnect the side of the operation panel arm cover [A] and then remove it (x1).

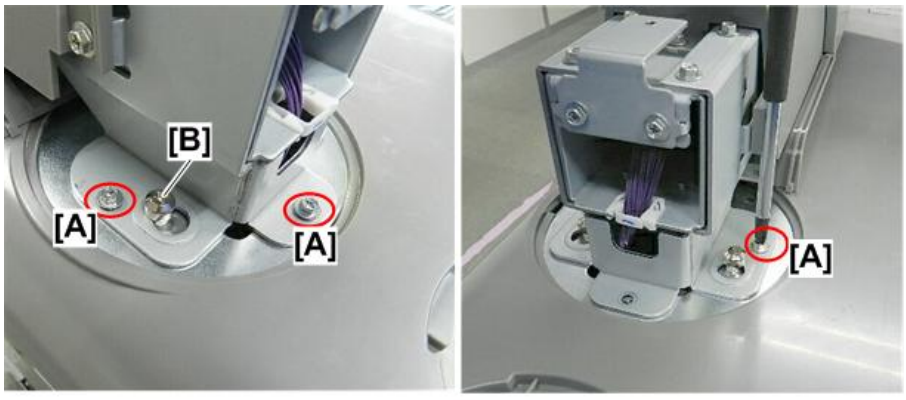


d1792708

8. Disconnect the metal base [A] of the operation panel (x3).

Important

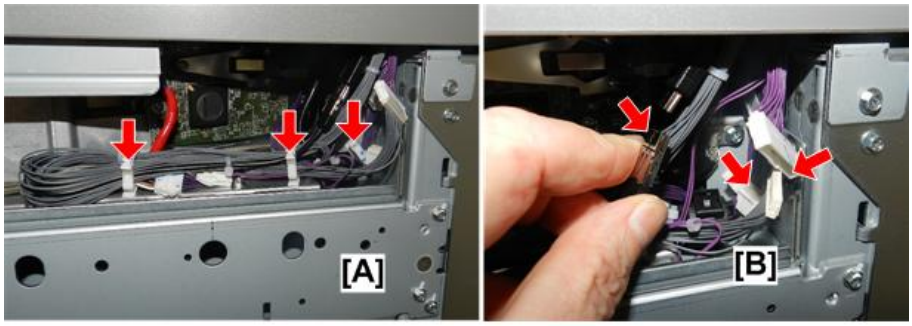
Do not loosen the shoulder screws [B].



d1792709

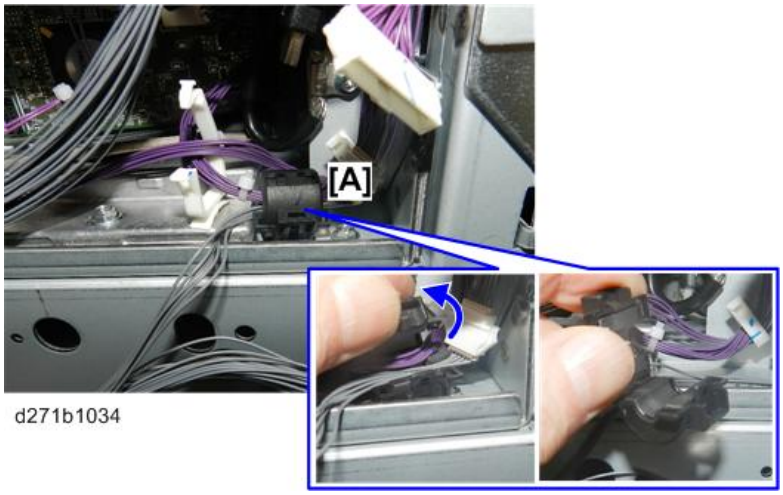
9. Open the harness clamps [A], and then free the harnesses [B] (x3).

10. Disconnect the harnesses (x3).



d271b1033

11. Open the ferrite core, and then remove it.

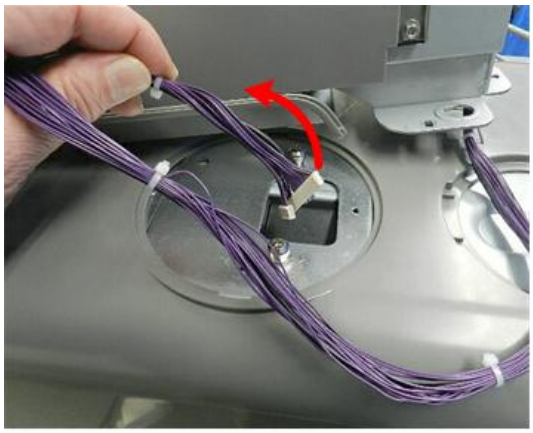


d271b1034

12. Push the end of the operation panel arm [A] toward the front of the machine.
13. Remove the base of the arm from the anchor screws [B], and then lay the base down next to the anchor screws.

d1792711

14. Slowly pull the harnesses through the hole.

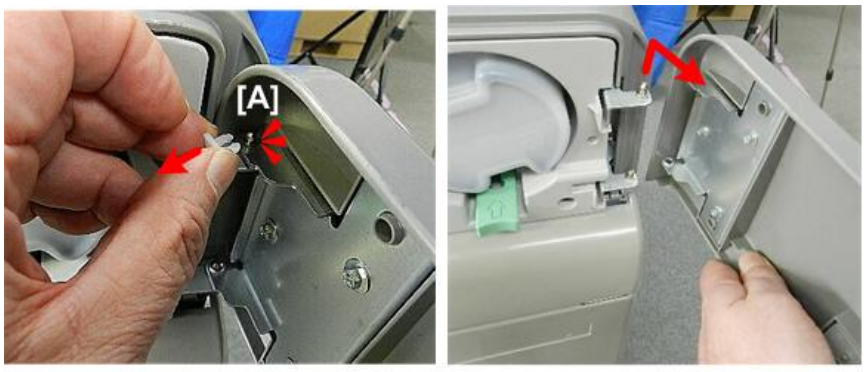


d1792712

15. Pick the operation panel up, and then lay it down on a flat clean surface.
16. Open the toner bank door.

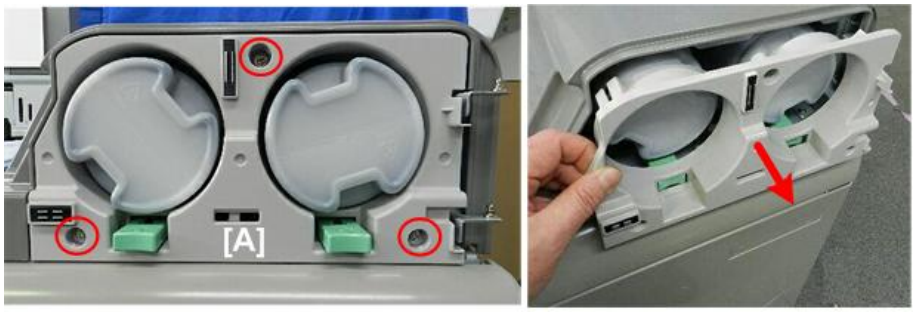
d1792713

17. Pull off the clip and remove the toner bank door [A] (x1).



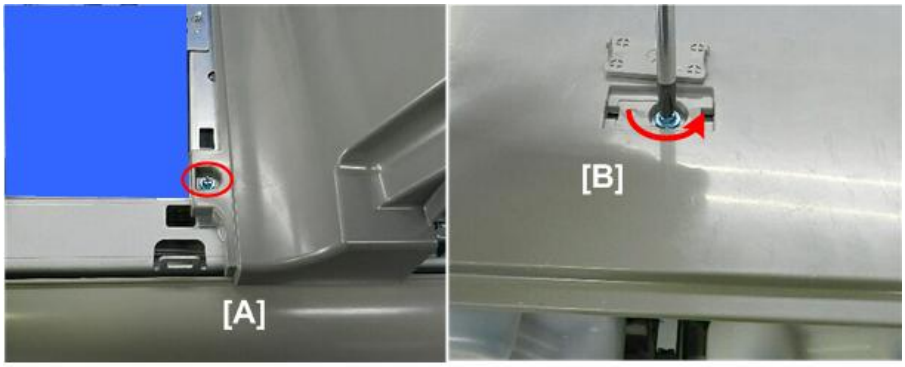
d1792714

18. Remove the toner bank front cover [A] (x3).



d1792715

19. Disconnect the front left corner of the canopy [A] (x1).
20. Disconnect the top front of the canopy [B] (cap x1, x1).



d1792716

21. Disconnect the right side of the canopy (x2).

d1792717

22. At the rear [A], remove the filter bracket and filter from the back of the canopy (x1).

Note

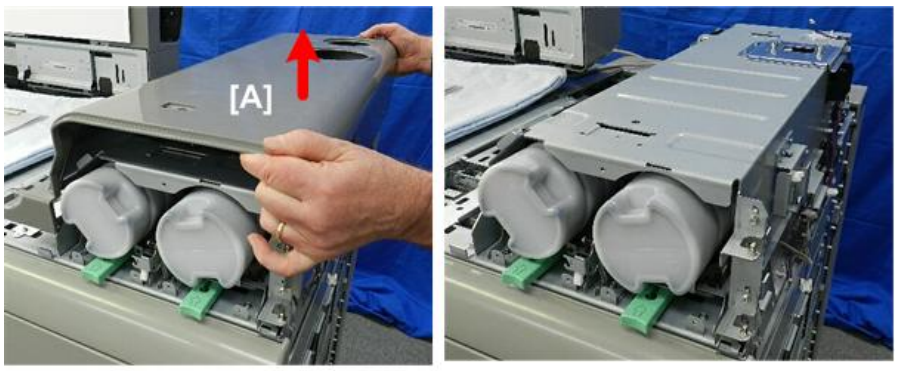
Note the position of the notch on the edge of the filter. It must be re-installed in the same way.

d1792718

23. At the rear, disconnect the top of the canopy [A] (x1).
24. Disconnect the left rear corner of the canopy [B] (x2).

d1792719

25. Remove the canopy [A].



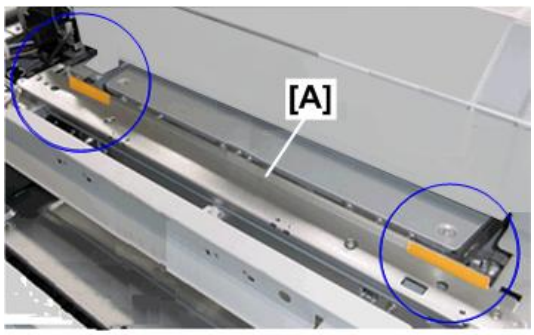
d1792720

Re-installation: Setting the Canopy

Note

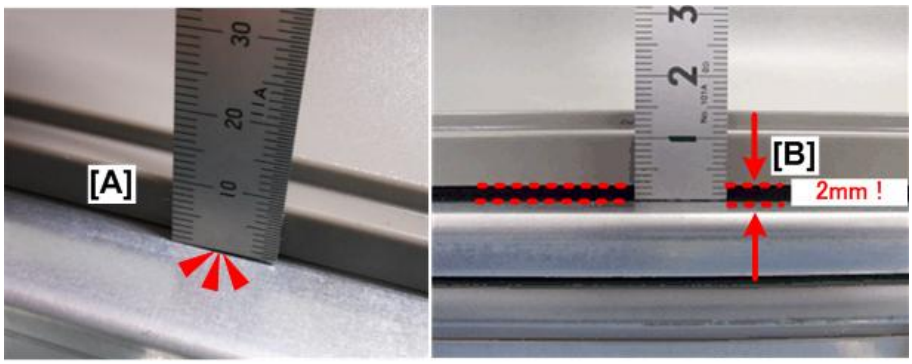
The procedures below are for the printer model only.

You need to be careful when you re-install the canopy cover to avoid damaging the cushions at the front and rear of the stay [A].



m263b3018

1. Slowly, set the canopy on top of the toner bank.
2. At the front and rear, set a scale on the stay and confirm that there is no gap between the edge of the canopy [A] and the top of the stay below.
3. If you see a gap as shown at [B], this means that the left edge of the canopy is riding up on one or both cushions.



m263b3019

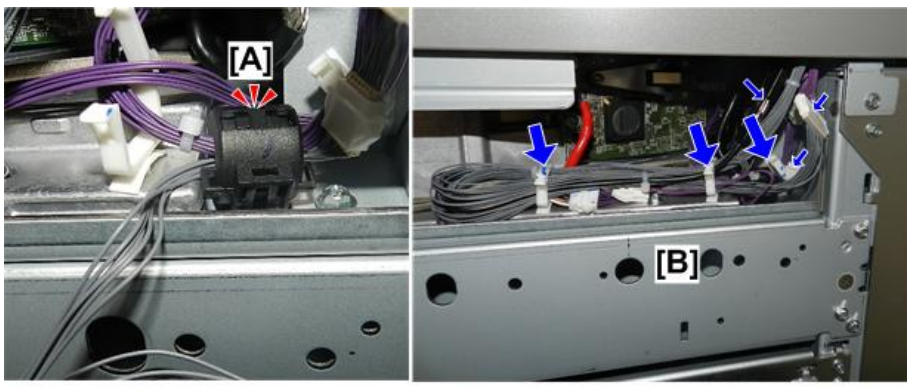
Note

- Be sure to check at both the front and the rear of the canopy cover for any gap.

4. If you see a gap, carefully remove the canopy and set it again, and then use the scale again to confirm that there is no gap.

Ferrite Core

1. Before you re-attach the right cover, re-attach the ferrite core [A].
2. Connect the harnesses and close the clamps [B] (x3, x3).



d271b1035

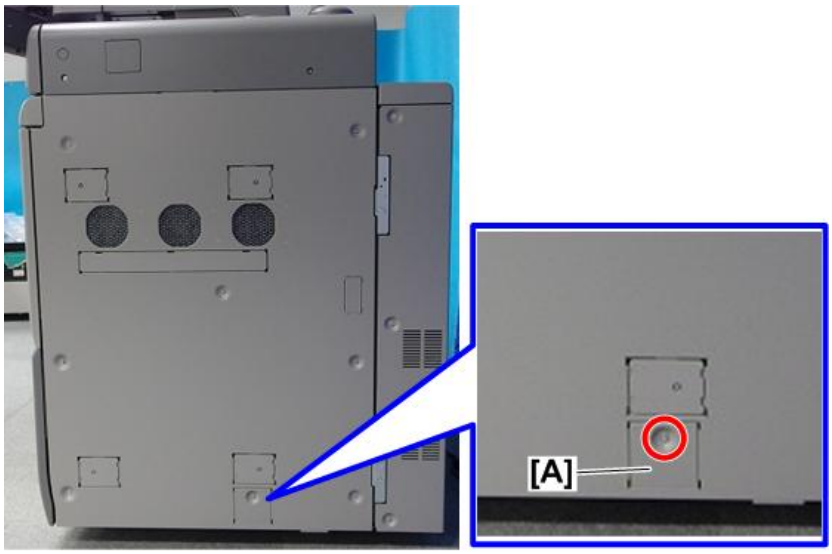
Important

To prevent noise interference, make sure that the ferrite core is re-attached correctly and securely locked.

Operation Panel

Operation Panel with Arm

1. Remove the LCT connection cover [A] (x1).



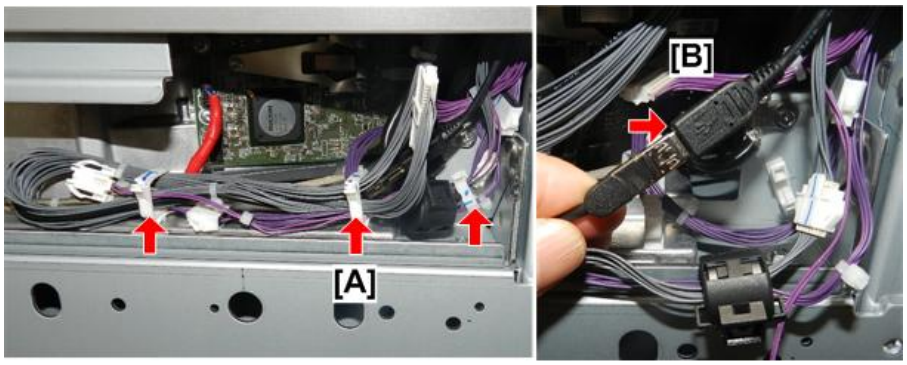
m263d4017

2. Remove the right cover [A] (x7).

m263d4018

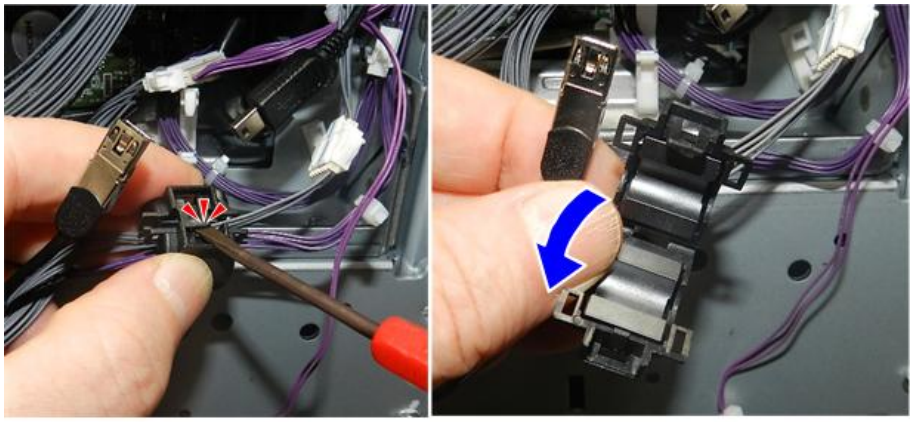
3. Open the harness clamps [A] (x3).

4. Disconnect the USB connector [B] (x1).



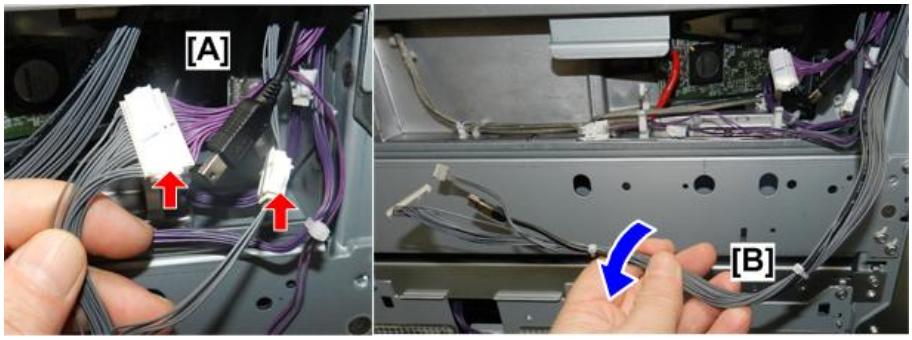
d270b1036

5. Open and remove the small ferrite core.



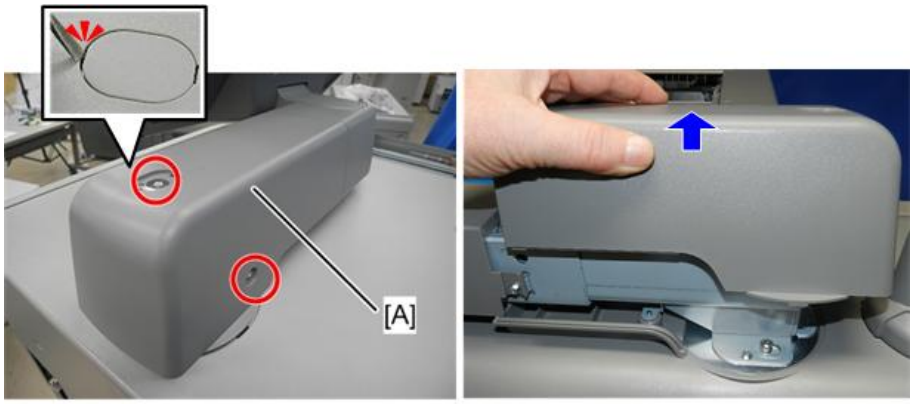
d270b1037

6. Disconnect the remaining harnesses, and then pull them away (x2).



d270b1038

7. Remove the operation panel arm cover [A] (x2).

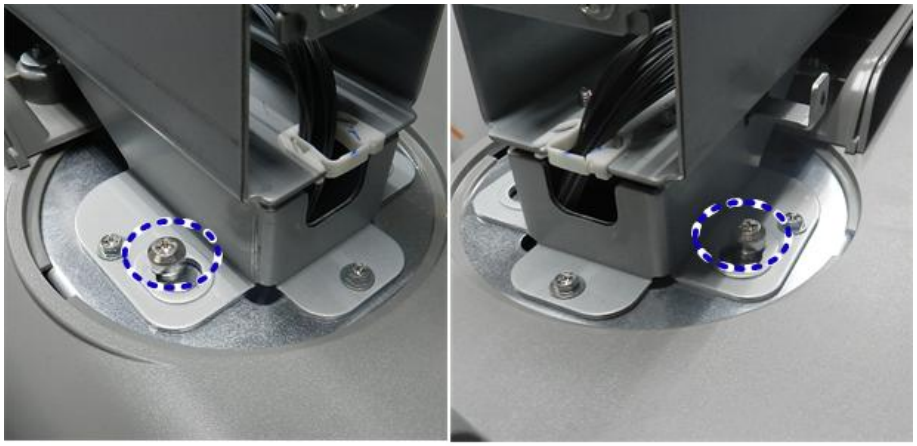


d270b1039

8. There are two large shoulder screws that hold the operation panel on the machine.

⚠CAUTION

To prevent and accident or personal injury, never loosen or remove these large shoulder screws.

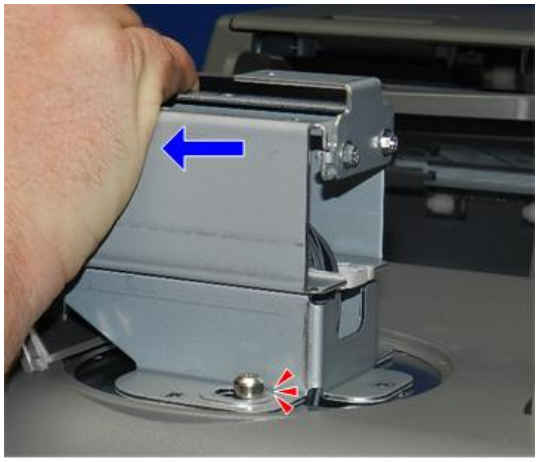


d270b1040

9. Remove the base hex screws (x3)

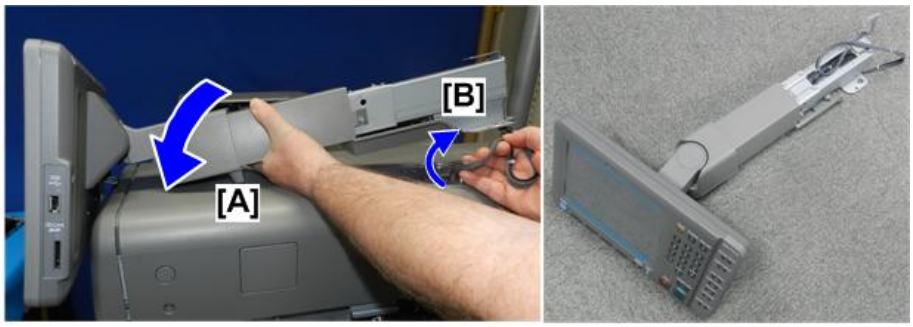
d270b1041

10. Slide the arm forward until it stops.



d270b1042

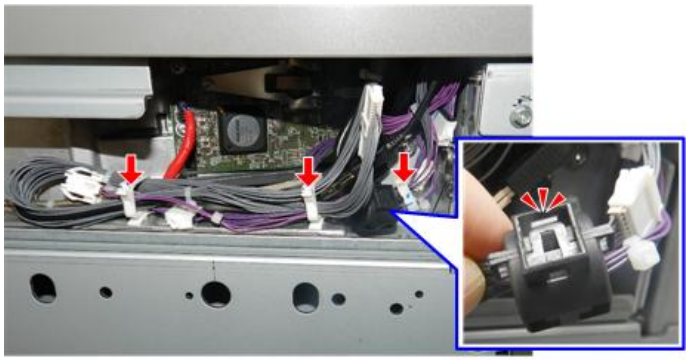
11. While holding the arm as shown [A], pull the harness out of the machine [B], and then remove the operation panel from the top of the machine.



d270b1043

Re-installation

1. Before you re-attach the right cover, be sure to close the clamps, and to re-attach the ferrite core. (x3).



d270b1044

Important

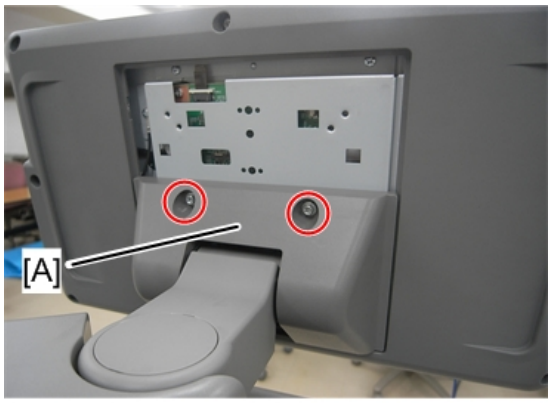
To prevent noise interference, make sure that the ferrite core is re-attached correctly and securely fastened.

Touch Panel

1. Remove the upper cover [A] (x2).

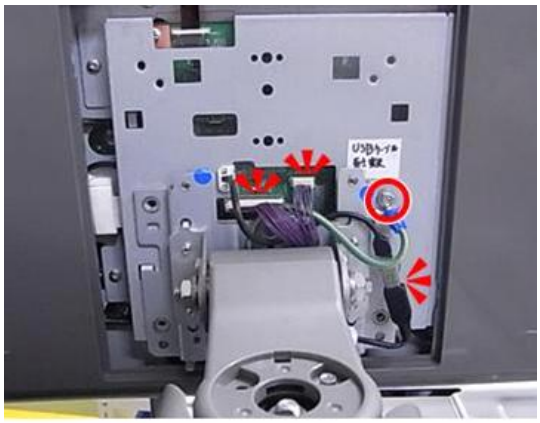
d194z0186

2. Remove the lower cover [A] (x2).



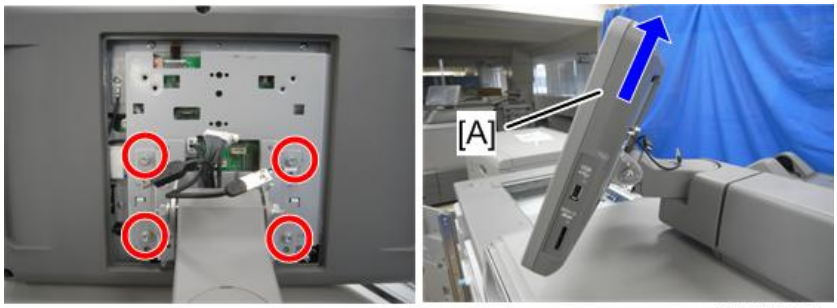
d194z0187

3. Disconnect the back of the operation panel (x3, x1).



d194d2152

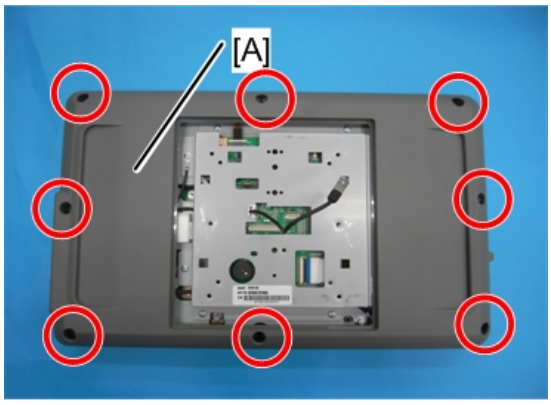
4. Disconnect the mounting bracket, and then lift the operation panel off (x4, x2).



d194z0045

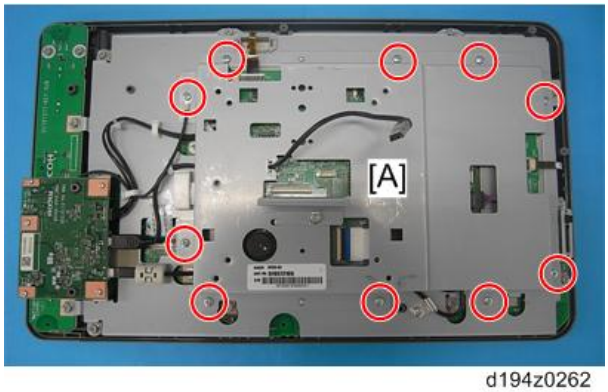
1st Shield Plate

1. Remove the rear cover [A] (x8).



d194z0046

2. Disconnect the 1st shield plate [A] (x10).



d194z0262

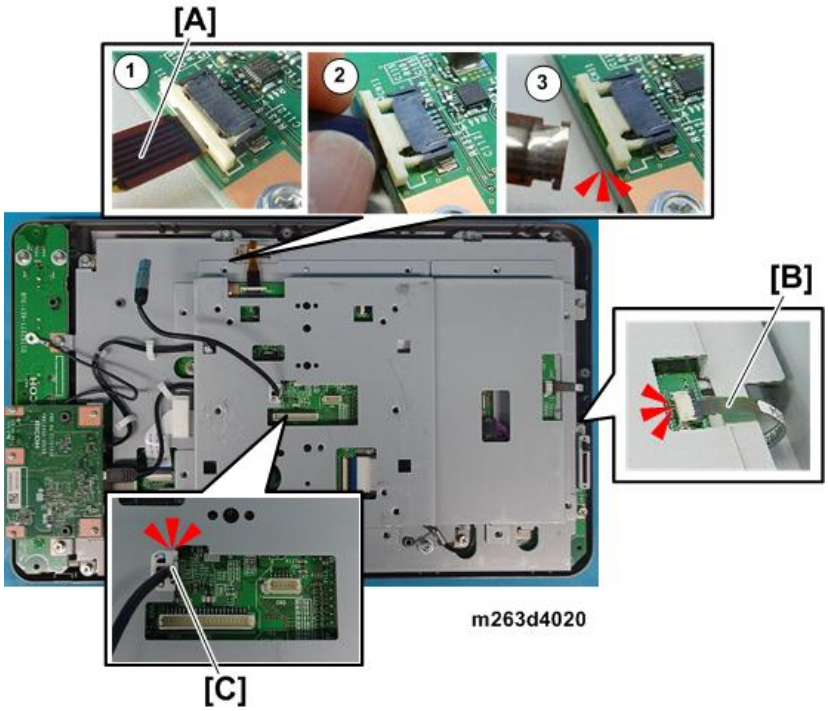
3. Disconnect bracket cable [A] (x1).

Important

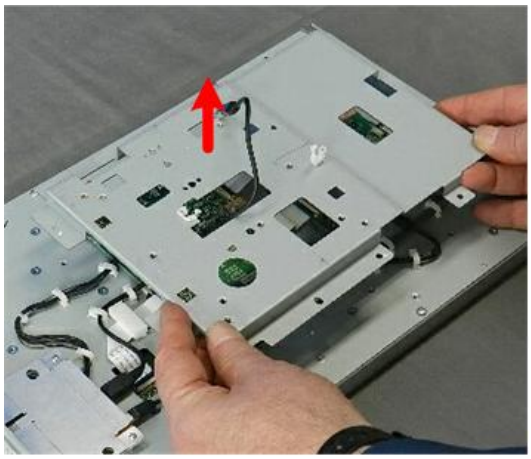
- Slide the collars in the order shown ①, ②, ③

4. Disconnect bracket cable [B] (x1).

5. Open clamp [C] (x1).



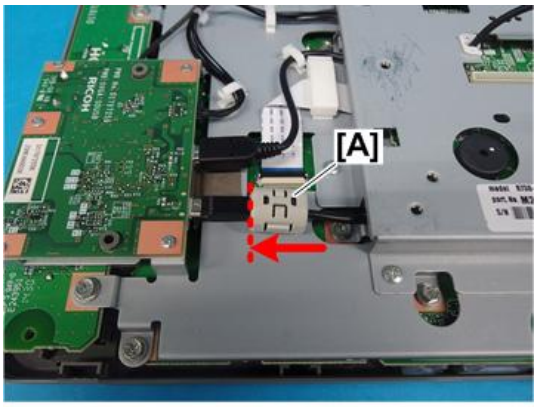
6. Remove the 1st shield plate.



Re-installation

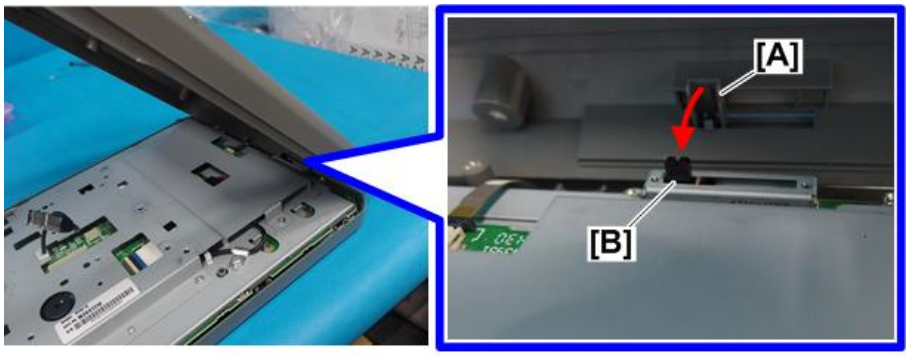
Follow these precautions when you re-attach the cover to the back of the operation panel.

1. Make sure that the ferrite core [A] on the SD/USB cable is all the way to the left and touching the connector.



m263d4023

2. When you position the cover over the back, make sure that the cut-out [A] fits snugly over the panel brightness adjustment lever [B].



m263d4022

OPU, LCDC, SD/USB

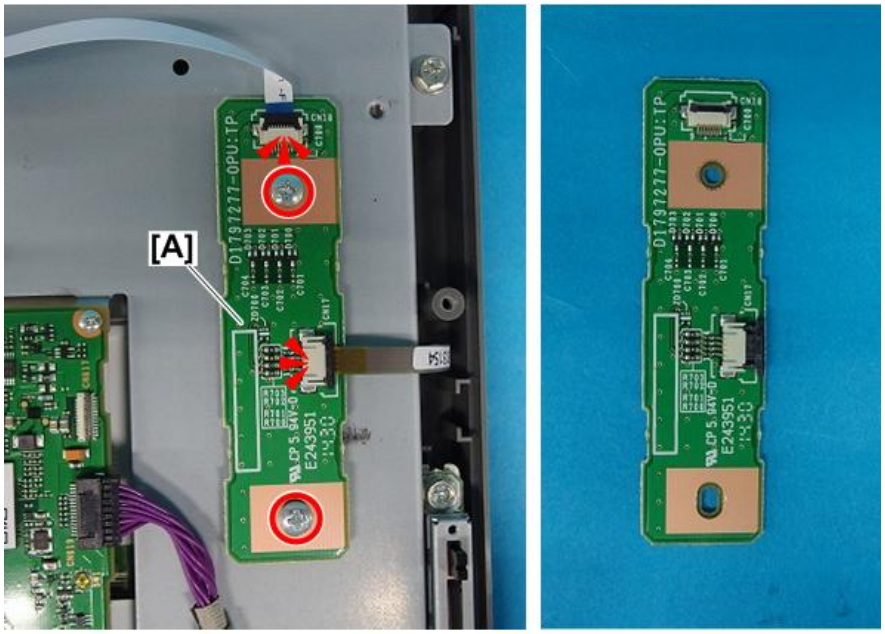
1. Remove the 1st shield plate. (1st Shield Plate)

①	OPU: TP
②	LCDC
③	OPU: IO
④	SD Card/USB

m263d4008

OPU: TP

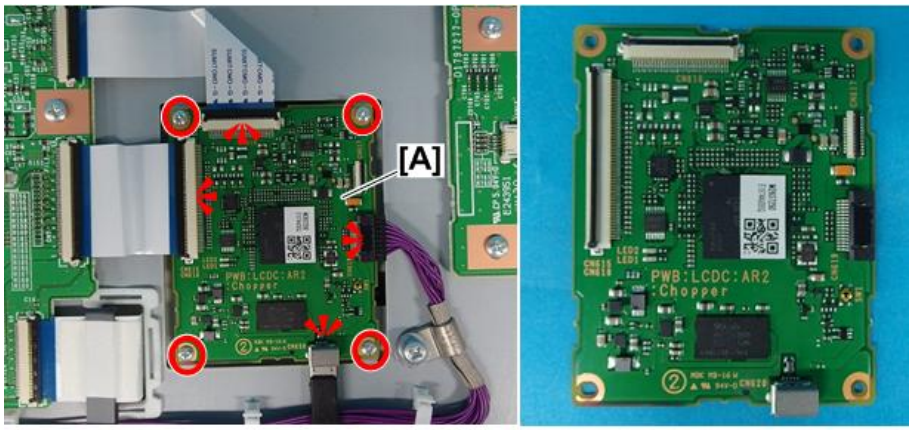
1. Remove the OPU-TP [A] (x2, x2)



m263d4009

LCDC (LCD Controller)

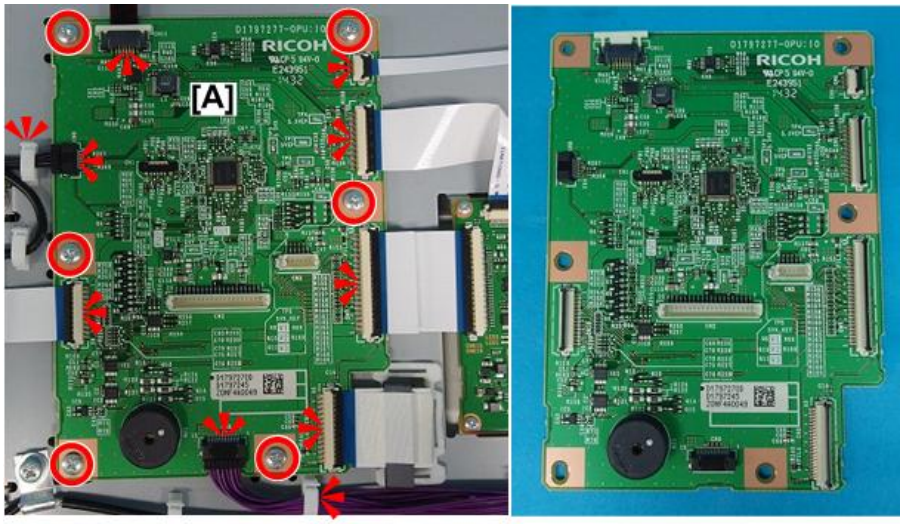
1. Remove the LCDC [A] (x2, x2, x4)



m263d4010

OPU: IO

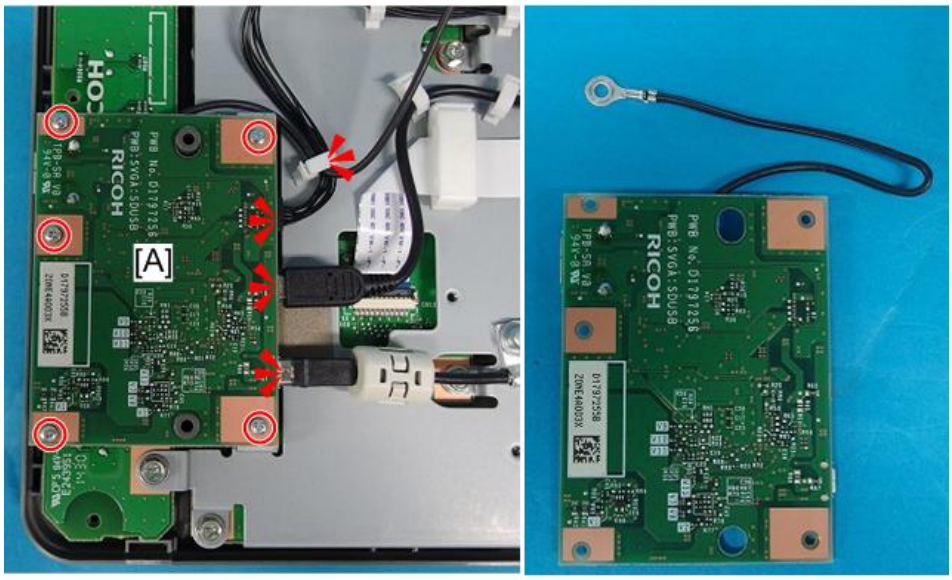
1. Disconnect the PCB and then remove it. (x2, x5, x3, x6).



m263d4011

SD Card/USB

1. Remove the SD Card/USB [A] (x1, x3, x5).

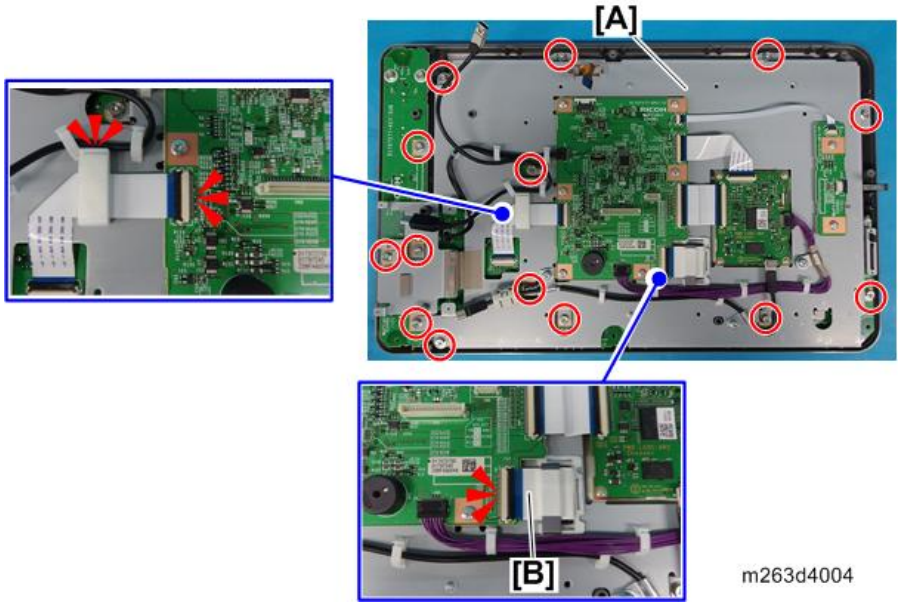


m263d4003

2nd Shield Plate

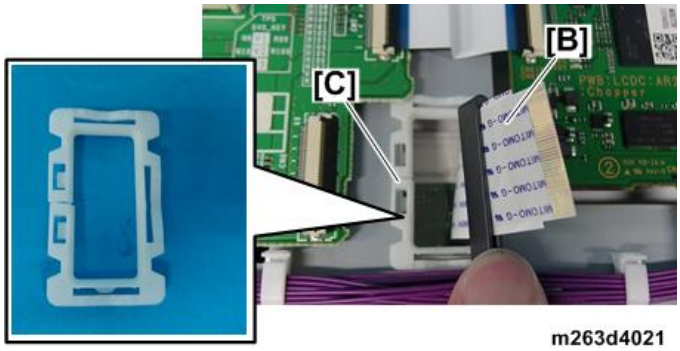
1. Remove:
   - 1st Shield Plate (1st Shield Plate)
   - SD/USB (OPU, LCDC, SD/USB)

2. Disconnect the 2nd shield plate [A] (x1, x2, x14).



Important

- Before you disconnect the flat cable [B], be sure to remove the edge saddle [C]



3. Remove the 2nd shield plate.

LCD, Touch Panel

1. Remove the 1st shield plate. (1st Shield Plate)
2. Remove the 2nd shield plate. (2nd Shield Plate)
3. Disconnect the LCD [A] (x4).

4. Remove the LCD and lay it on a flat, clean surface.

m263d4006a

5. Remove the touch panel [A].

m263d4007

Operation Panel LED PCB, Key PCBs

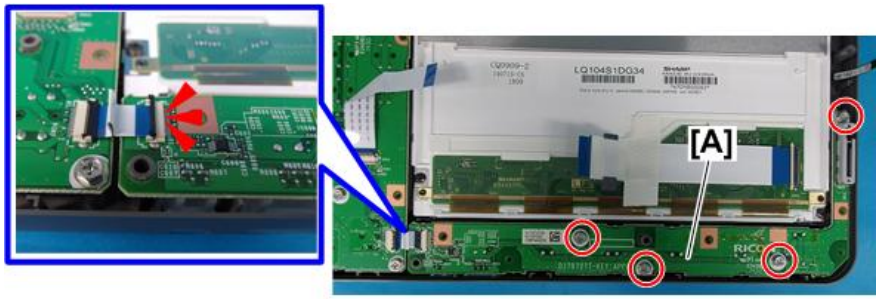
1. Remove the 2nd shield plate. (2nd Shield Plate)
2. Turn the panel over so that the front side is facing up.

①	LED PCB
②	Key PCB 1
③	Key PCB 2

m263d4012

LED PCB

1. Disconnect the LED PCB (x4, x1).



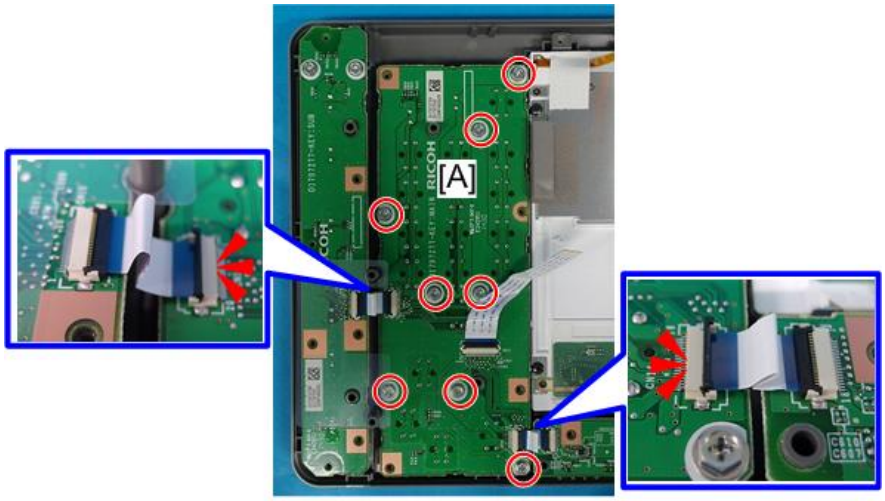
m263d4013

2. Remove the PCB.

m263d4013a

Key PCB 1

1. Disconnect the PCB [A] (x8, x2).



m263d4014

2. Remove the PCB and lay it on a flat clean surface.

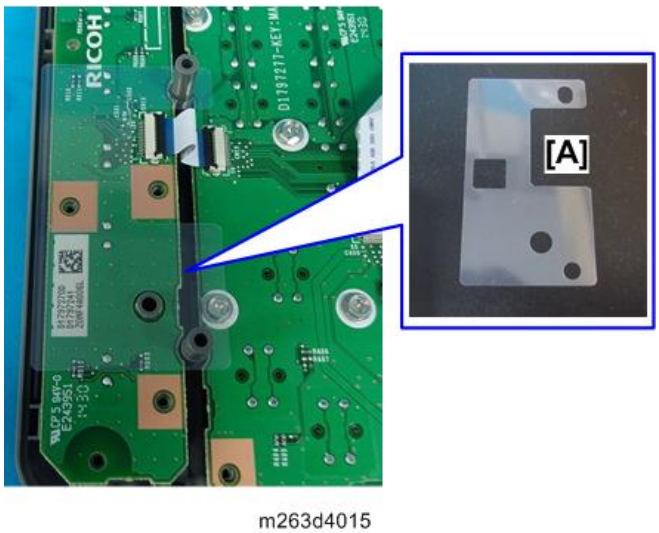
m263d4014a

Note

- The screw holes are clearly marked by the white circles.

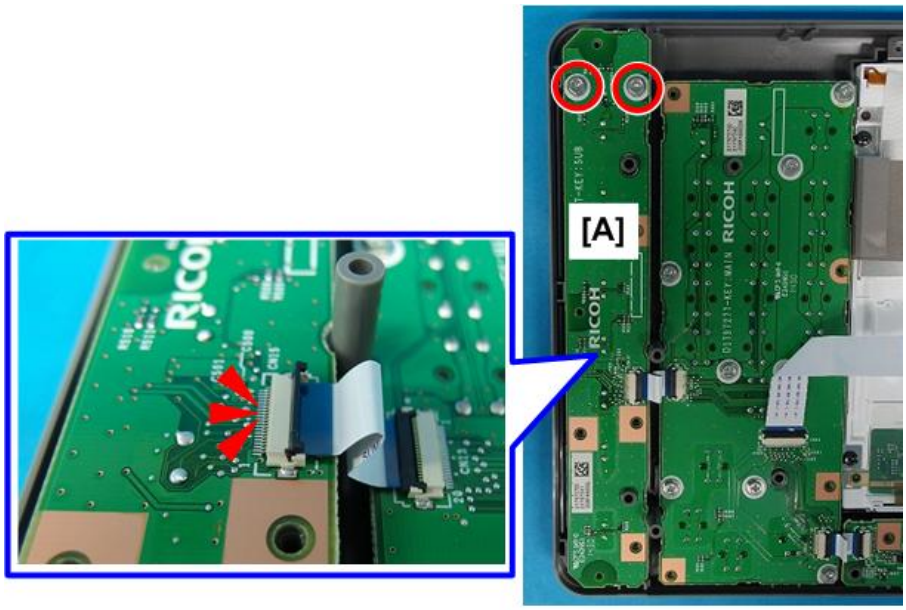
Key PCB 2

1. Remove the protective sheet [A].



m263d4015

2. Remove the PCB [A] (x2, x2))



m263d4016

1. Lay the PCB on a flat clean surface.

m263d4016a

Touch Panel Position Adjustment

It is necessary to calibrate the touch panel at the following times:

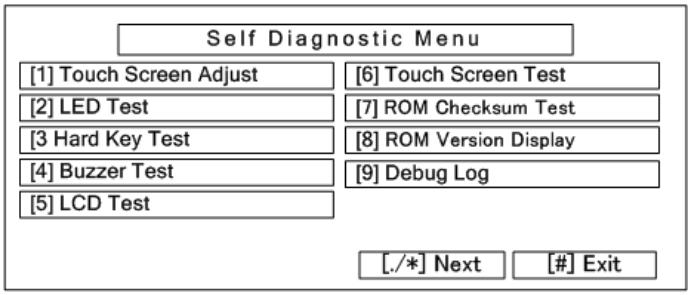
- After replacing the operation panel.
- After replacing the controller board.
- If the touch panel detection function is not operating correctly.

Important

- Do not attempt to use any other selections in this menu.

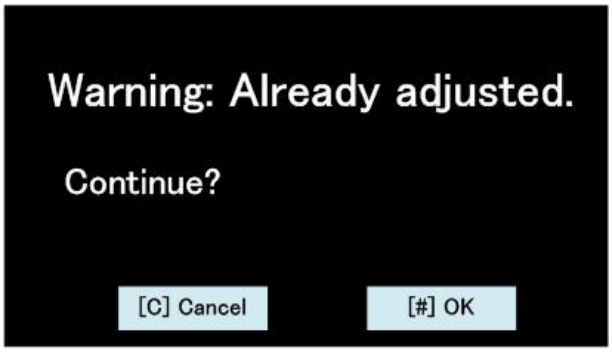
1. At the "Ready" screen, press Reset .
2. On the operation panel keypad, push [**1**] [**9**] [**9**] [**3**].
3. Press five times.

4. Push "Touch Screen Adjust" (or push "1").



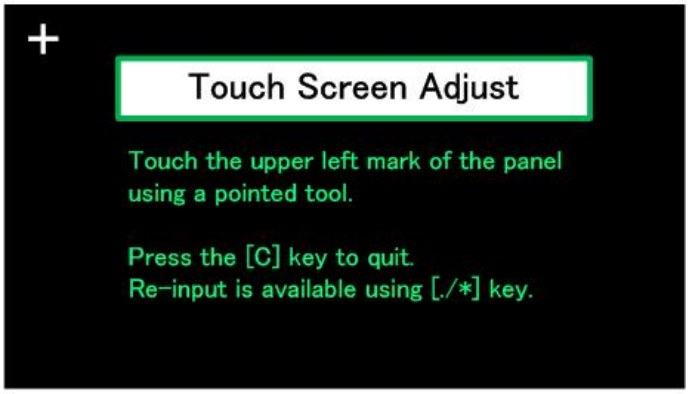
m263b3261

5. Touch # OK



d208a3262

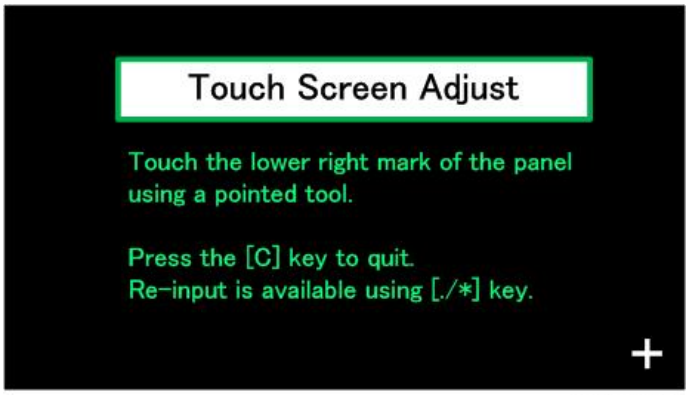
6. A message will prompt you to touch the plus mark in the upper left corner. Touch this mark with a tool (like the dull end of a pen or pencil).



d208a3263

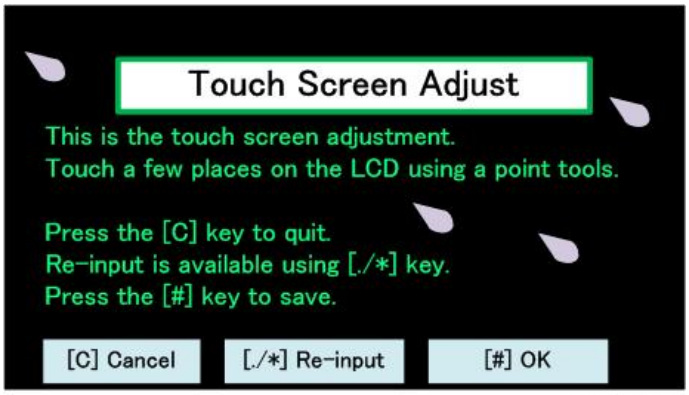
7. The next message will prompt you to touch the plus mark in the lower right corner of the screen. Touch this

mark with the tool.



d208a3264

8. Touch the screen when next three messages prompt you to touch each mark in the lower left corner, center, and finally, the upper right corner.
9. When the last message prompts you to do so, touch a few random spots on the touch screen to confirm that the teardrop marks appear exactly where the screen is touched.



d208a3265

10. If the operation is satisfactory, press # OK.
    - If the teardrop mark does not appear where the screen is touched, push [Cancel].
    - Follow the prompts to repeat the procedure.
11. Touch [#] Exit on the screen to close the Self-Diagnostic Menu and save the settings.

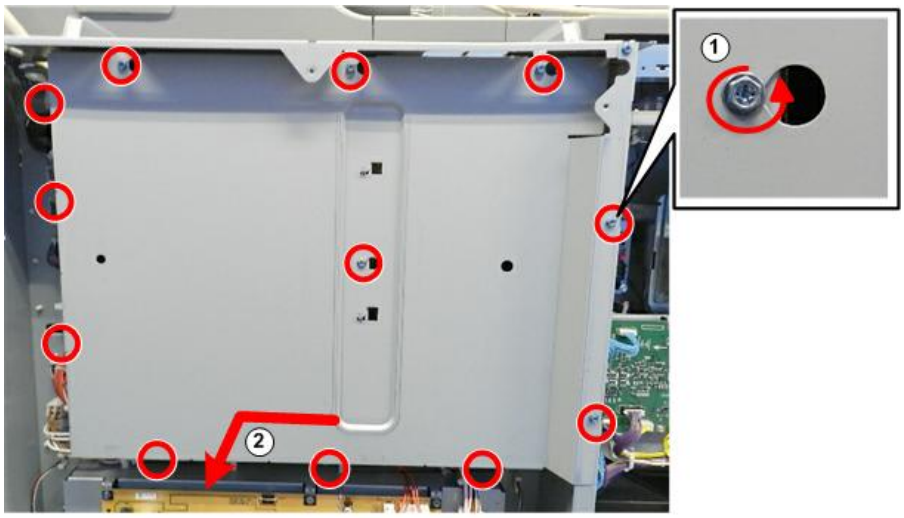
Important

- If you cannot calibrate the screen correctly, the touch panel may need to be replaced.

ADF (Copier)

ADF Removal

1. Controller box open (Opening the Controller Box)
2. Controller box cover off (Removing the Controller Box Cover, Inner Cover)
3. **Loosen** the screws of the metal cover (x12).
   - Do not remove the screws.
   - Each screw slides into a larger hole ① when the cover is pushed to the left ②.



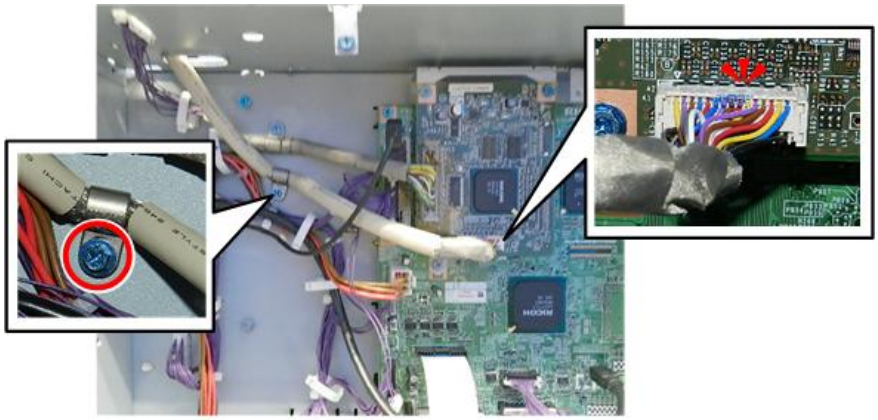
d1792501

4. Slowly, slide the cover to the left and then remove it.

Important

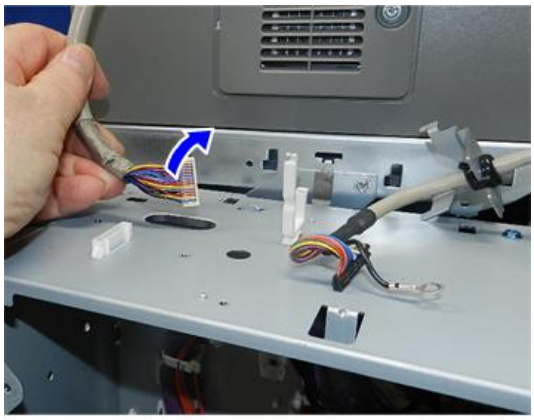
As you remove the cover, carefully separate any harnesses if they are entangled with the cover.

5. Disconnect a harness (x1, x1).



d1792502

6. Pull the disconnected harness through the top of the controller box.

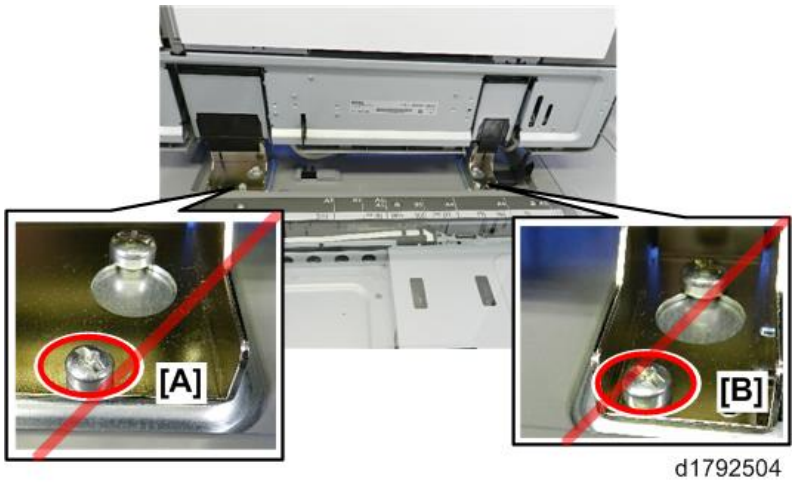


d270b2503

7. At the front, disconnect the ADF anchor plates [A] and [B] (x2).

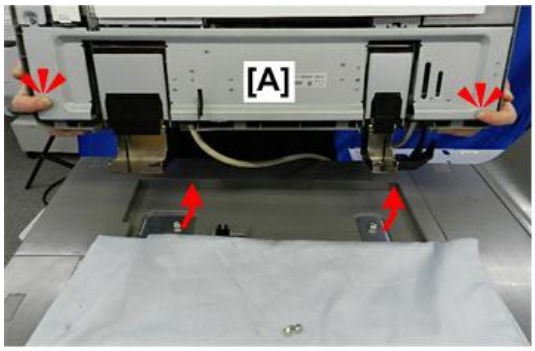
Important

Never try to remove or loosen the large shoulder screws [A] or [B].



d1792504

8. Grip the ADF [A] from the rear.



d1792505

9. Pull it to the rear, lift it straight up, and then set it on the floor behind the machine or on a large table.

Weight: approx. 14 kg (31 lb.)

d1792661

After ADF Replacement

CIS RGB Adjustment

A data sheet is provided with a new ADF unit.

- The sheet lists the following SP codes and the values that must be entered for each SP.
- These SP codes must be set after ADF replacement.

SP	Name
4-712-001	CIS GB Adj Value: R
4-713-001	CIS GB Adj Value: G
4-714-001	CIS GB Adj Value: B

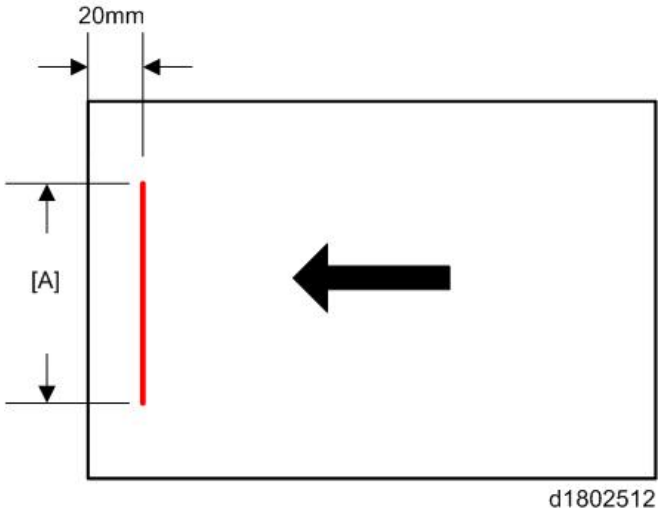
After setting all the SP codes, print an SMC report so you can have a record of the new values in case you need to replace the NVRAM at a later time.

Checking for Skew

1. Use a blank piece of A3 paper to make an original like the one shown below.

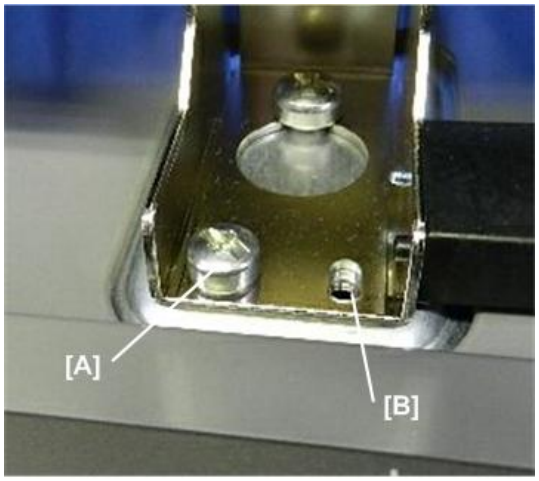
Note

- The line should be 20 mm (0.8 in.) from the leading edge and centered.



d1802512

2. Copy the original.
3. Measure the distances from the end points of the line and the edges of the paper.
4. The distances should be the same 0±2mm (0±0.1 in.).
   If the distances do not match, adjust the position of the ADF.
5. At the right hinge, loosen the fixing screw [A] and then shift it to the long hole [B].

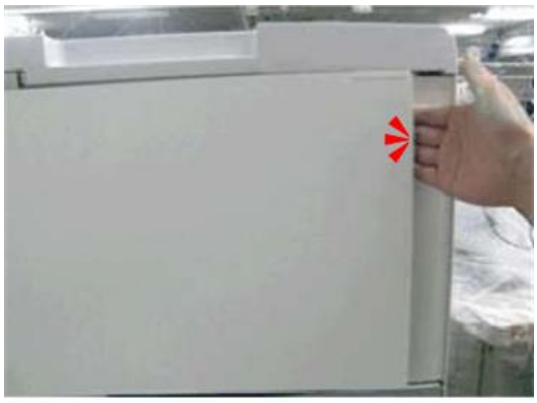


d1802513

Platen Adjustment

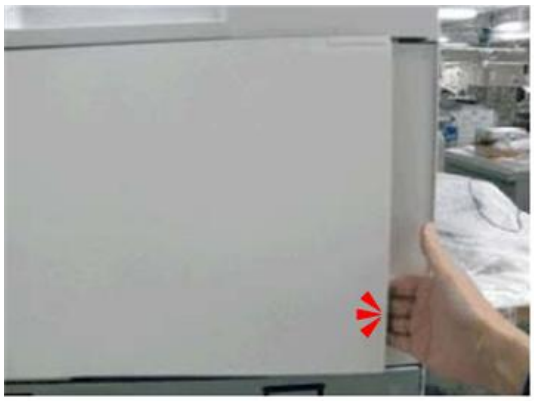
1. Raise the ADF.

2. Insert your hand under the upper right corner, about the width of your palm, to separate the plate.



d1802506

3. Insert your hand about palm-width at the lower right corner.



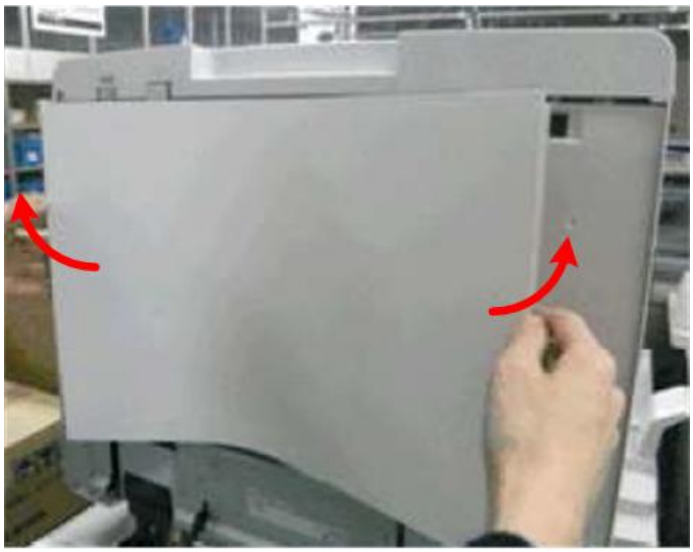
d1802507

4. In the same way, separate the upper left corner [A] and lower left corner [B].

d1802508

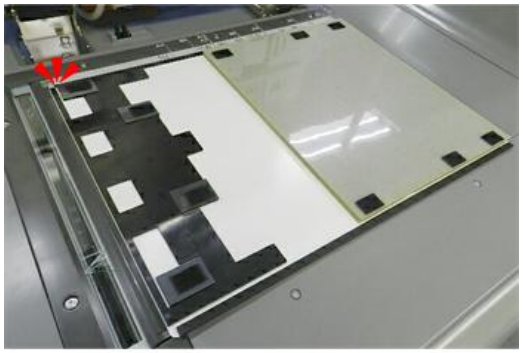
5. Pull both sides of the plate straight off (insert your hand under the center to separate the center).

6. Pull the white plate away from its Velcro fasteners.



d1802509

7. Position the corner of the white plate in the upper left corner, and then just lower the ADF onto the plate.

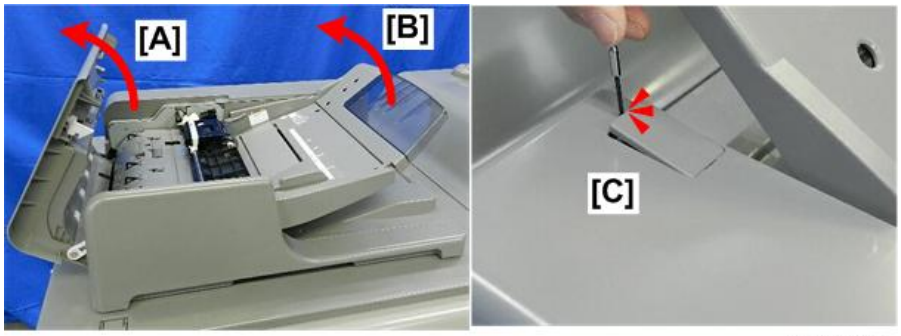


d1802501

ADF Covers

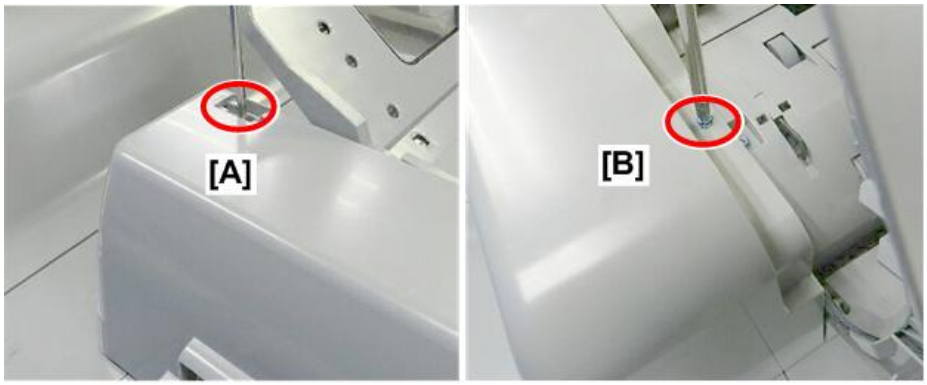
ADF Rear Cover

1. Open the feed cover [A].
2. Raise the original extension plate [B].
3. Remove the screw cap [C].



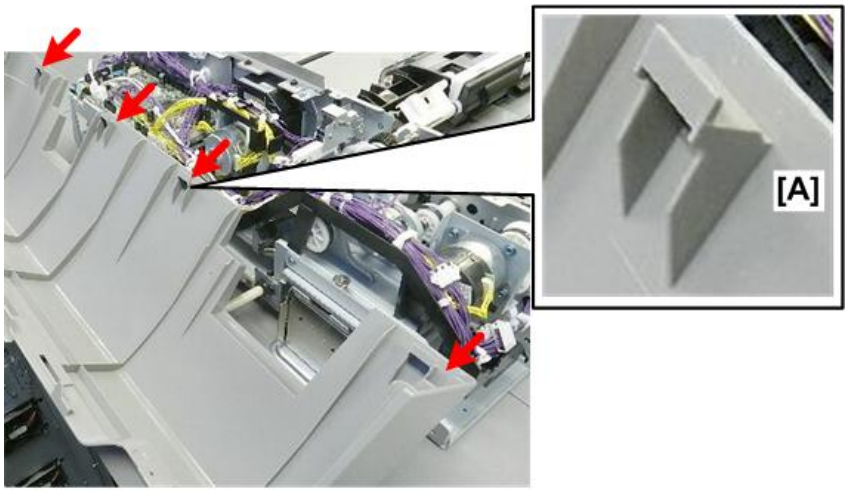
d1792506

4. Disconnect the left side [A] and the right side [B] of the cover (x2).



d1792507

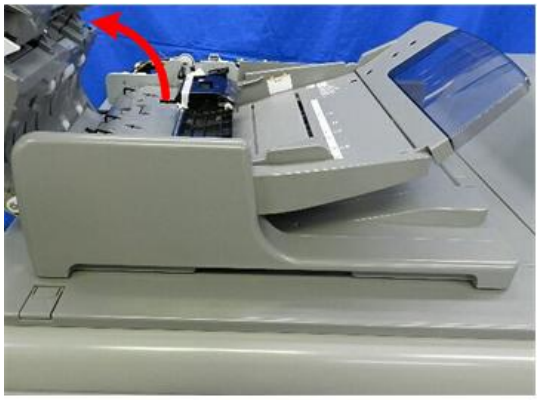
5. Remove the cover.
   - Note the tabs [A] and matching holes.
   - The tabs must be inserted in the holes correctly when the cover is re-attached.



d1792509

ADF Front Cover

1. Open the feed cover.

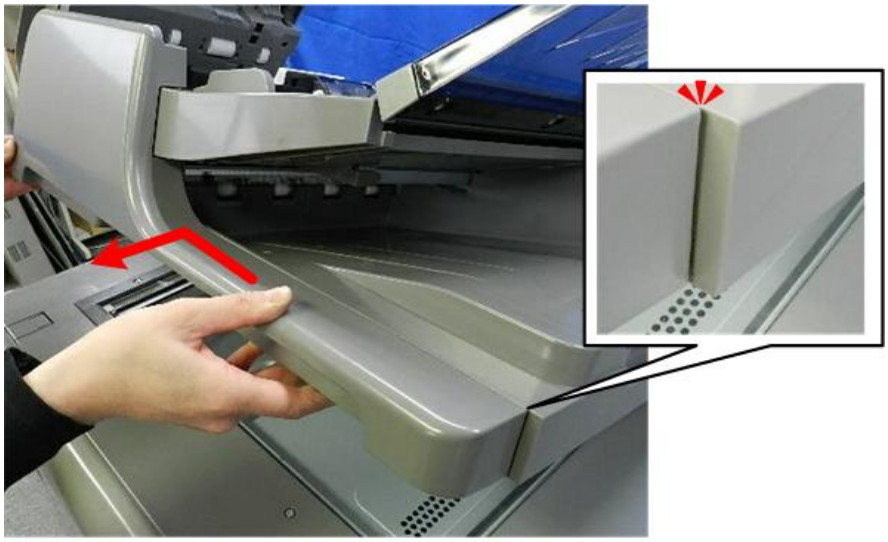


d1792510

2. Remove screws [A] and [B] (x2).

d1792511

3. Slide the cover to the left to disconnect it.

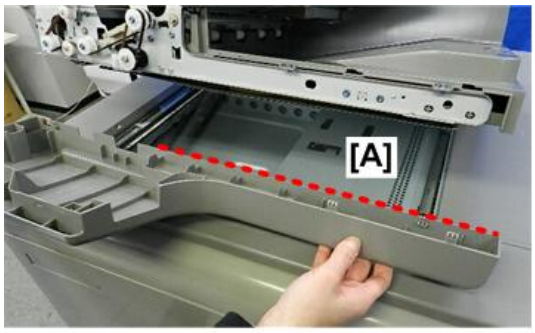


d1792512

4. Remove the cover.

d1792513

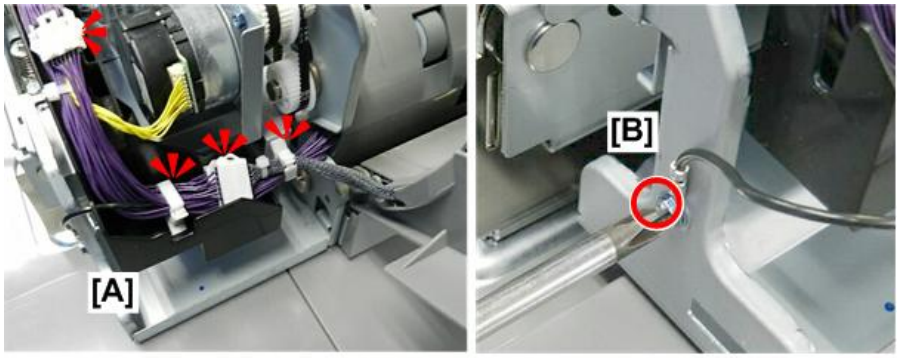
5. Before you continue:
   - Note the tabs [A] and matching holes.
   - The tabs must be inserted in the holes correctly when the cover is re-attached.



d1792514

Feed Cover

1. Remove the ADF front cover (ADF Front Cover)
2. Remove the ADF rear cover (ADF Rear Cover)
3. Disconnect the harness [A] (x3, x1).
4. Disconnect the ground wire [B] (x1).



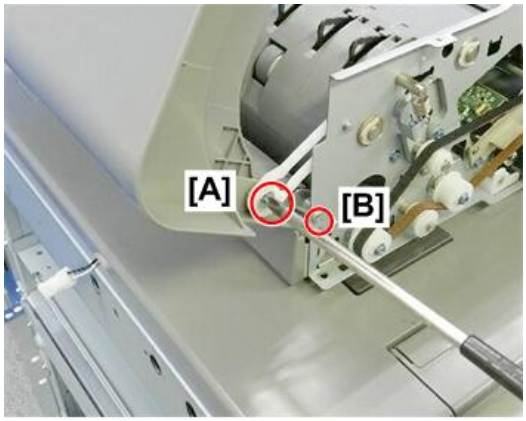
d1792515

5. Disconnect the hinge arm [A] (x1).

Note

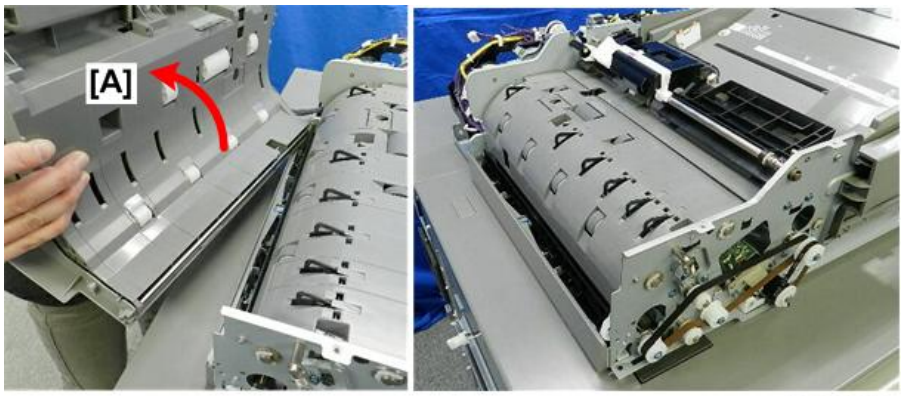
- Screw [A] is a long pivot screw and it must be re-installed here.

6. Remove the screw [B] (x1).



d1792516

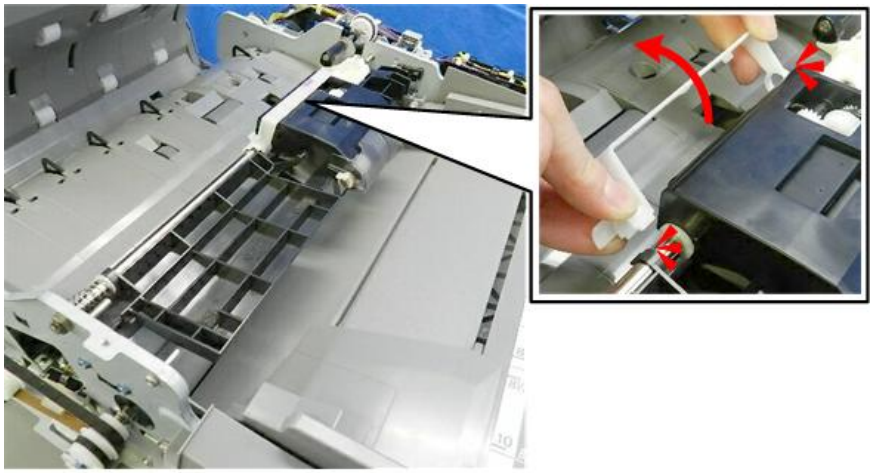
7. Remove the feed cover [A].



d1792517

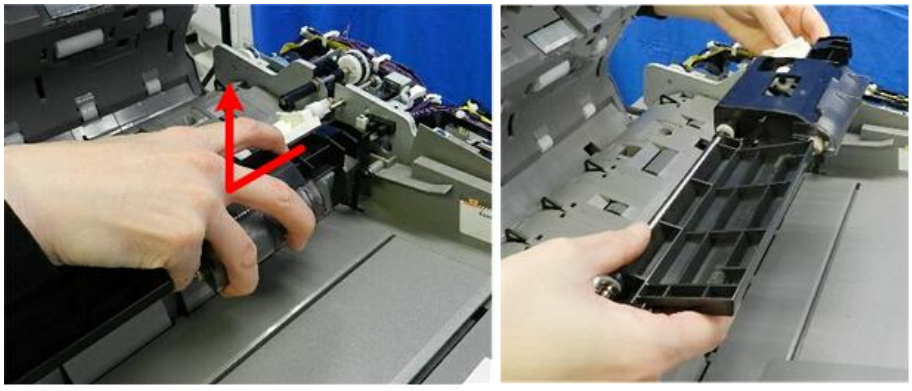
Original Feed Unit

1. Open the feed cover
2. Remove the ADF front cover (ADF Front Cover)
3. Remove the ADF rear cover (ADF Rear Cover)
4. Pull the ends of the white bracket apart slightly, and remove the white bracket.



d1792518

5. Pull the unit to the front to disconnect it, and then remove it.



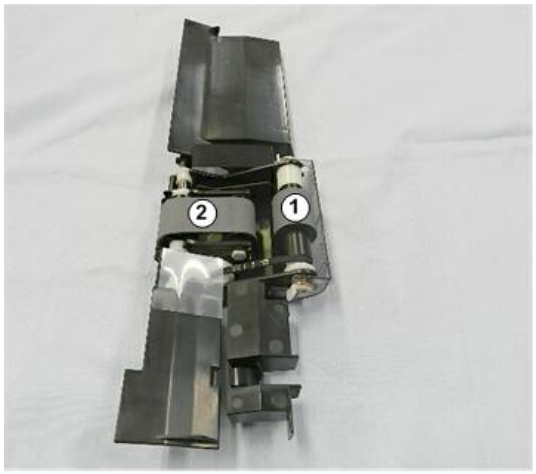
d1792519

Pickup Roller, Feed Belt

1. Original feed unit (Original Feed Unit)

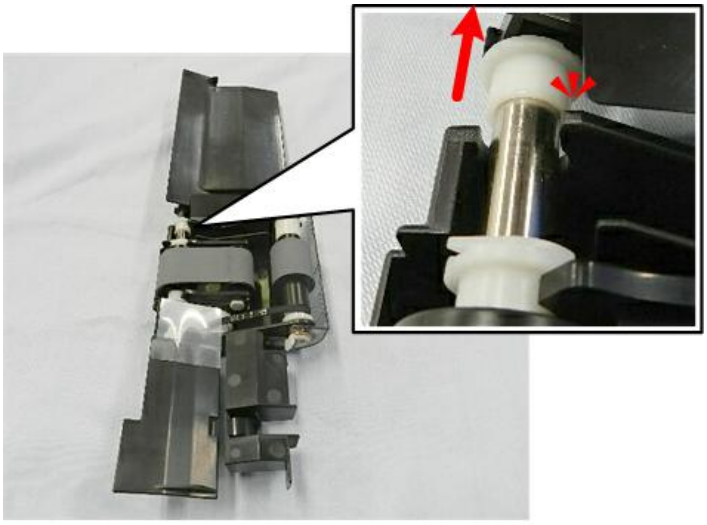
Pickup Roller

①	Pick-up Roller
②	Feed Belt



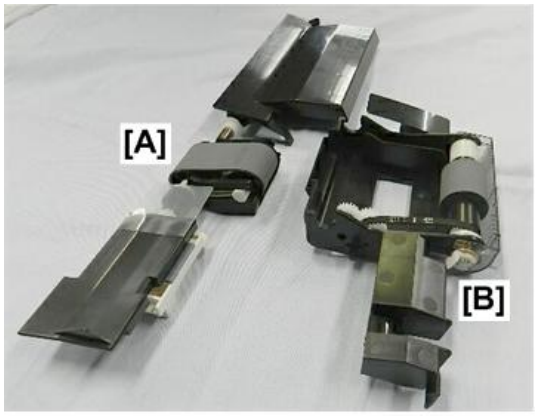
d1792520

1. Slide out the white bushing.



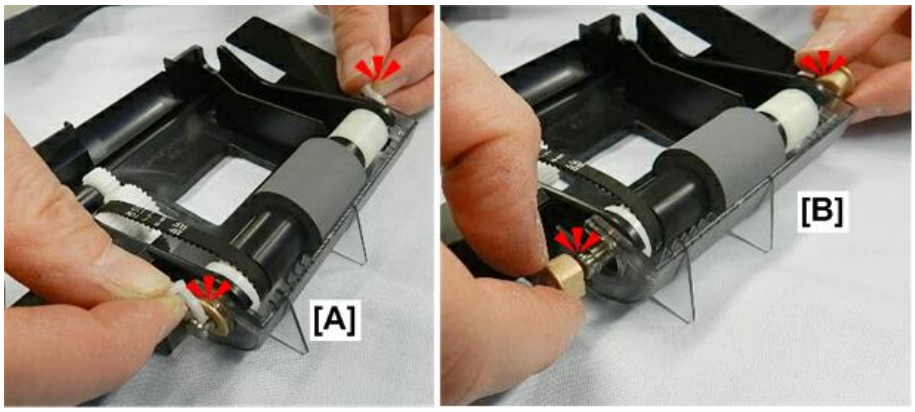
d1792521

2. Separate the belt feed holder [A] and the pick-up roller holder [B].



d1792522

3. Disconnect both ends of the pick-up roller shaft [A] (x2).
4. Remove the bushings from both ends [B] (x2).



d1792523

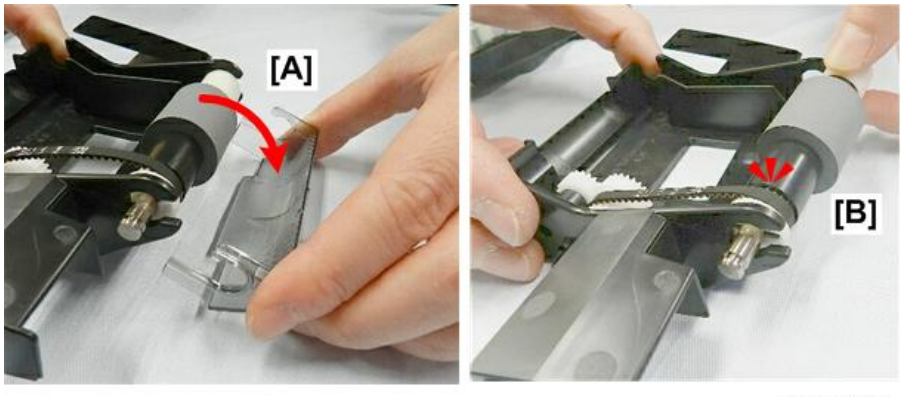
5. Remove:

   [A] Plastic cover

   [B] Belt

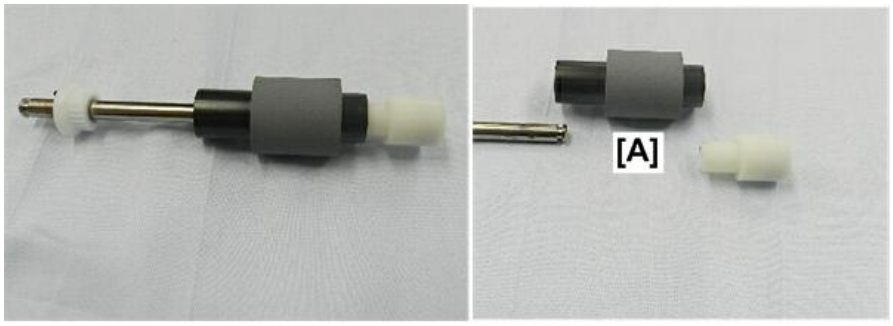
Important

- Avoid touching the surface of the pick-up roller. Oil from your hands or fingertips could cause the roller to slip during original feed.



d1792524

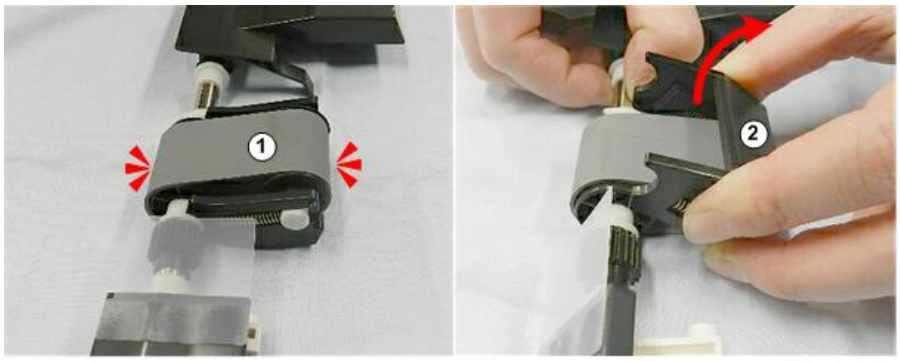
6. Remove the pick-up roller [A] from the shaft.



d1792525

Feed Belt

1. Compress the sides ① to release the spring tension, and then disconnect the belt frame ② from the shaft.

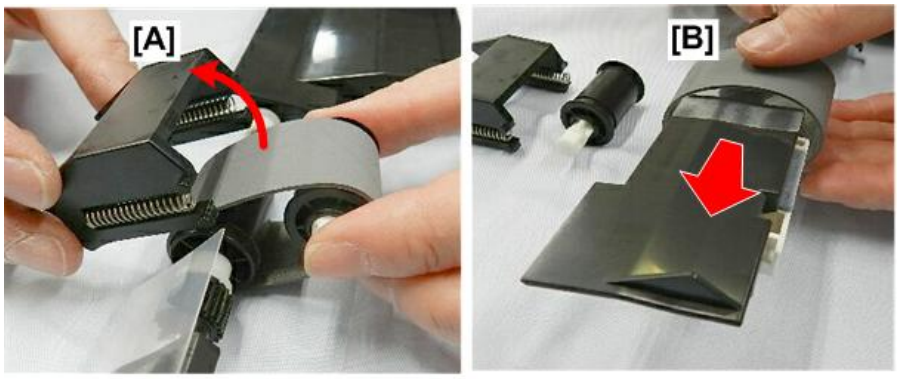


d1792526

Important

- Avoid touching the surface of the belt. Oil from your hands or fingertips could cause the belt to slip during original feed.

2. Separate the belt frame [A] from the belt, then slide off the belt [B].

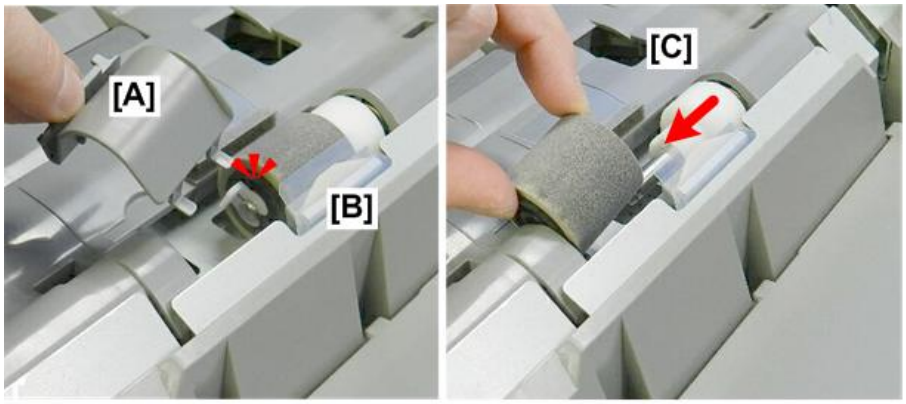


d1792527

ADF Separation Roller

1. Open the feed cover (Feed Cover)
2. Original feed unit (Original Feed Unit)
3. Remove the cap [A].

4. Disconnect the roller [B] (x1).
5. Remove the roller [C].

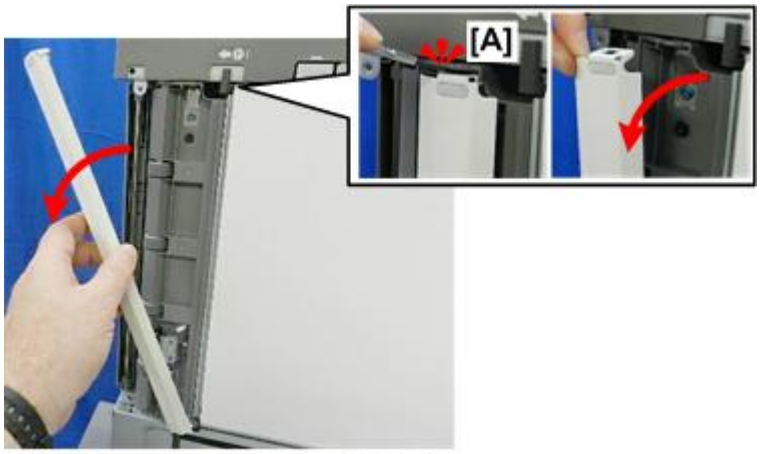


d1792529

ADF Sensors

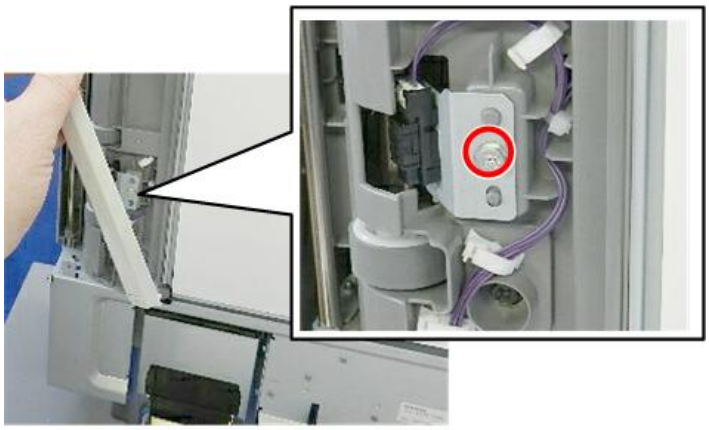
Original Registration Sensor

1. Raise the ADF
2. Disconnect the plate at [A], and then remove it.



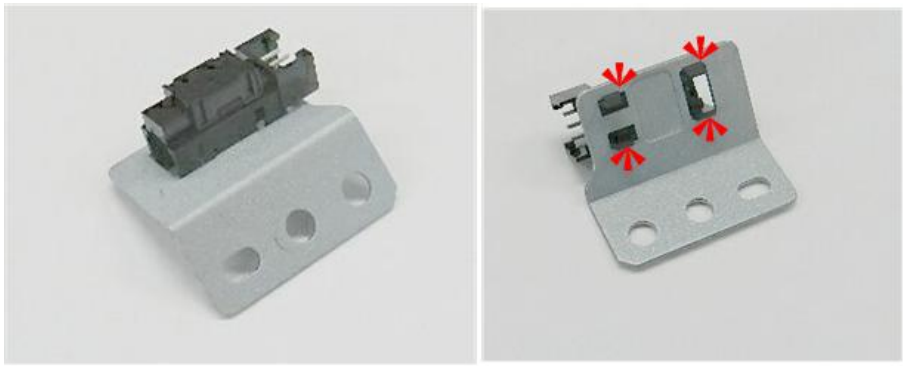
d1792531

3. Disconnect the sensor bracket (x1).



d1792532

4. Remove the sensor from the bracket (x4).



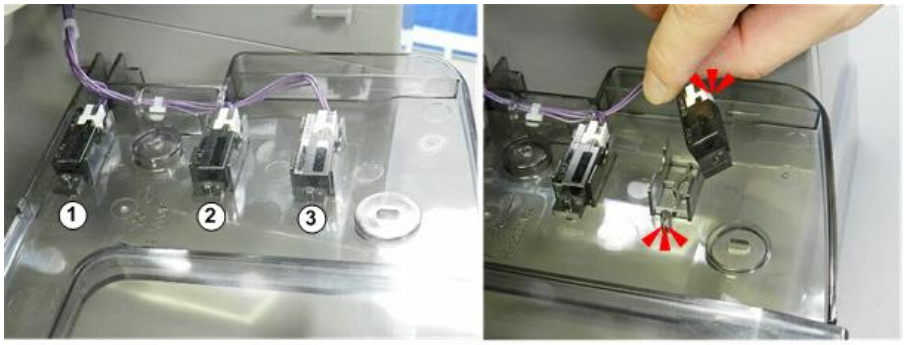
d1792534

Original Width Sensors

1. Raise the original extension plate [A].
2. Disconnect the plate [B] (x4).

d1792535

3. The sensors are arrayed at the rear:
   ① B5
   ② A4
   ③ LG

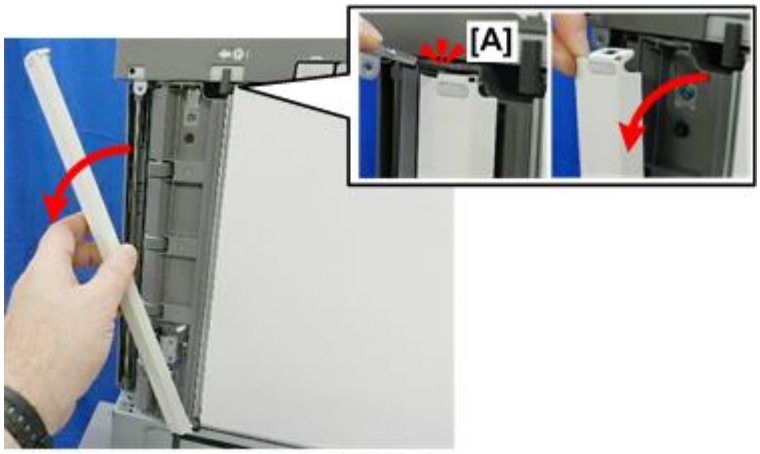


d1792536

4. Remove a sensor from its holder (no pawls, no hooks).
5. Disconnect the sensor (x1).

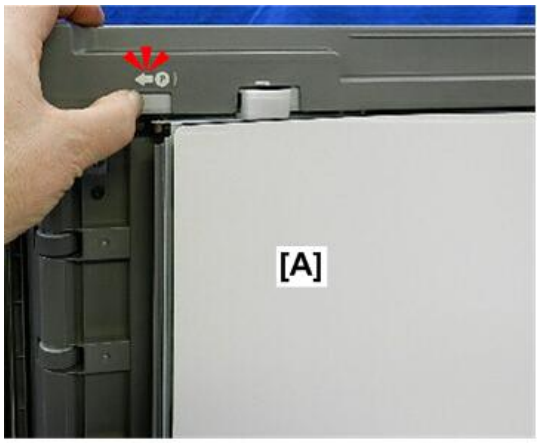
Original Exit Sensor

1. Disconnect the plate at [A], and then remove it.



d1792531

2. Release the white plate holder [A].

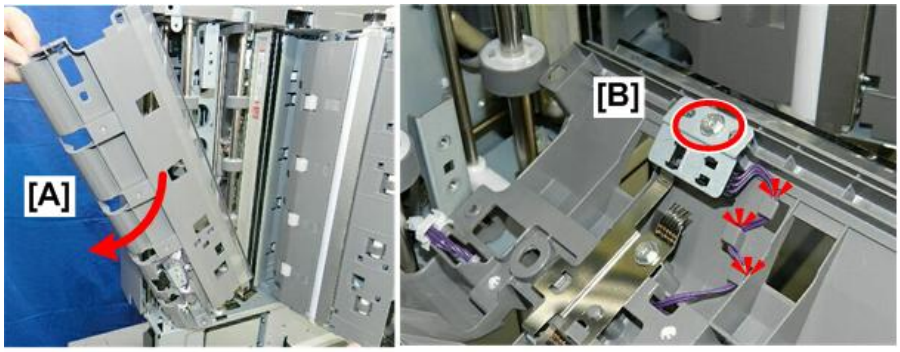


d1792537

3. Disconnect the cover:
   [A] Top (x3)
   [B] Bottom (x3)

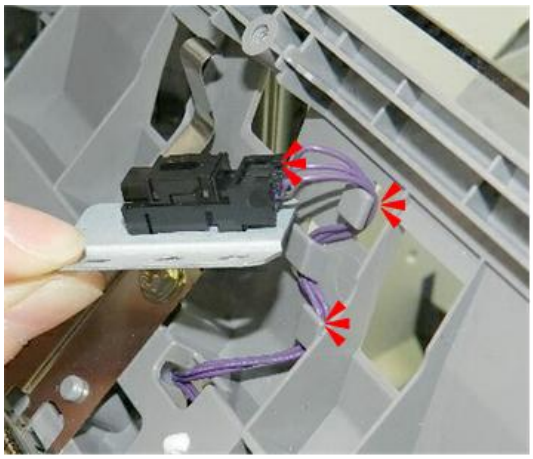
d1792538

4. Remove the cover [A].
5. Disconnect the sensor bracket [B] and the harness (x3, x1).



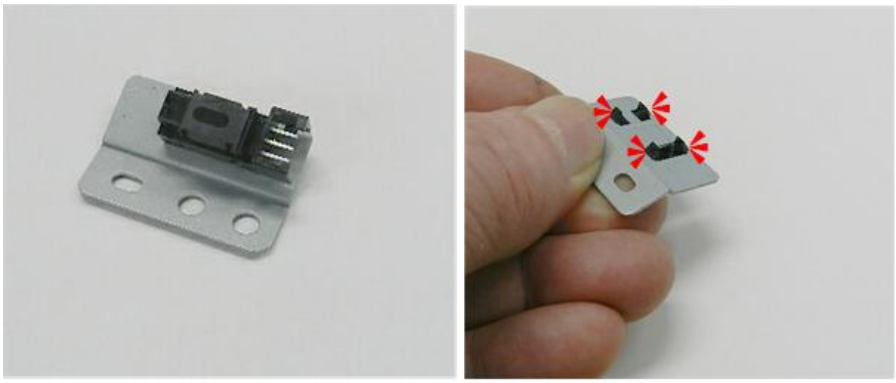
d1792539

6. Disconnect the sensor (x1).



d1792540

7. Separate the sensor and the bracket (x4).

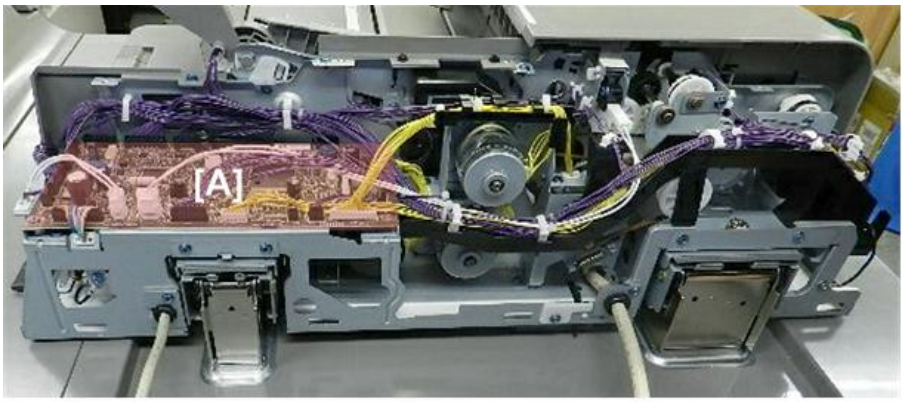


d1792541

Boards

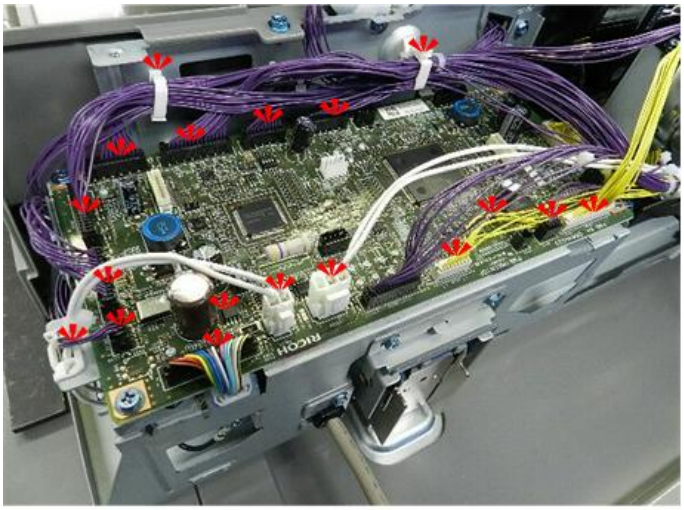
ADF Control Board

1. ADF rear cover (ADF Rear Cover)
2. Locate the ADF control board at [A].



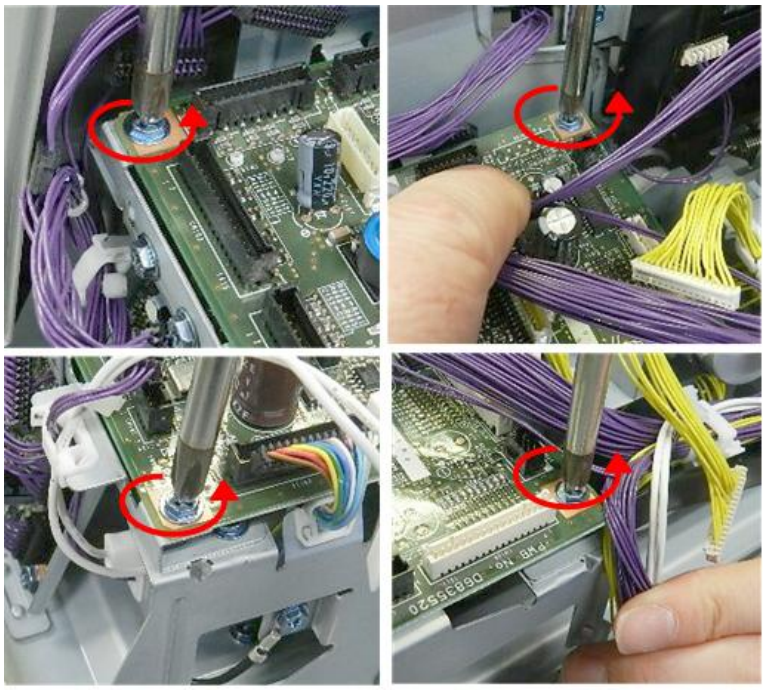
d1792542

3. Disconnect the control board (x17).



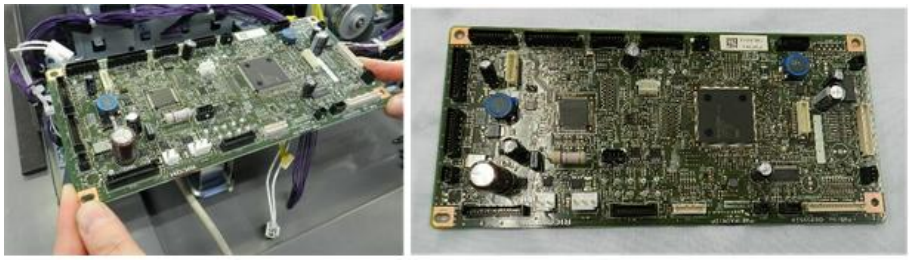
d1792543

4. Disconnect each corner of the board (x4).



d1792544

5. Remove the board.



d1792545

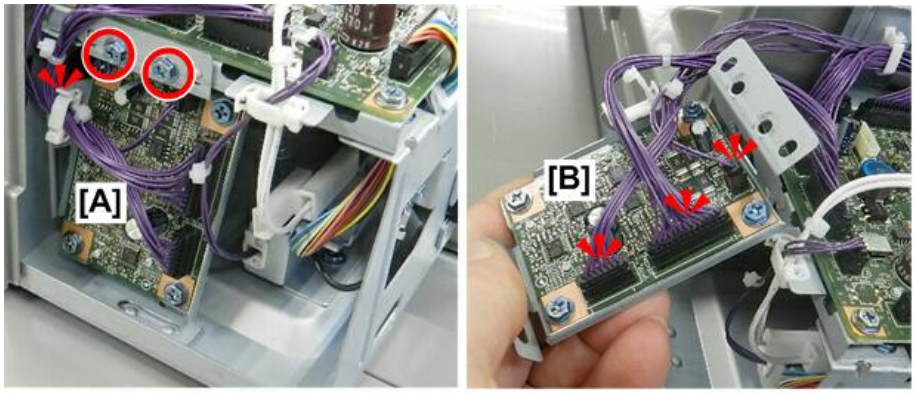
Double-feed Sensor Board

Important

- This machine is not equipped with double-feed sensors before shipping. This feature is an option for this machine that must be purchased separately and installed by a trained service technician. This board will not be present unless the kit has been installed.

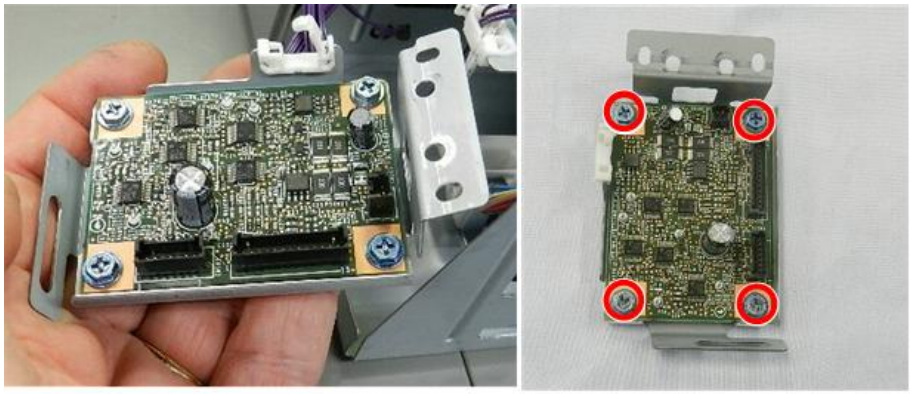
1. ADF rear cover (ADF Rear Cover)
2. Disconnect the board bracket [A] (x2).

3. Disconnect the harnesses [B] (x3).



d1792546

4. Separate the board and the bracket (x4).

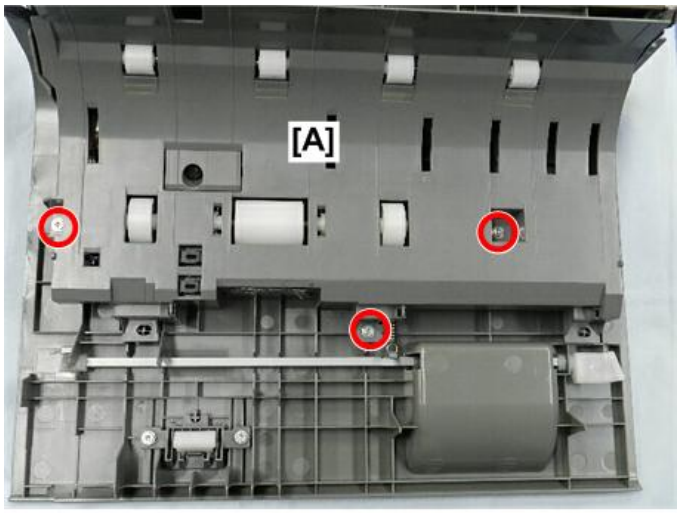


d1792547

Sensors, Switches

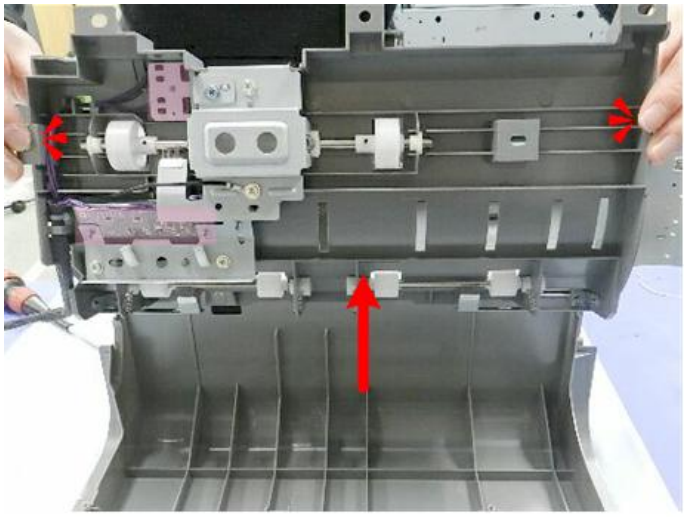
Separation Sensor, Skew Correction Sensor, Double-Feed Sensor 2 (Option)

1. Remove the feed cover (Feed Cover)
2. Remove the guide plate [A] (x3).



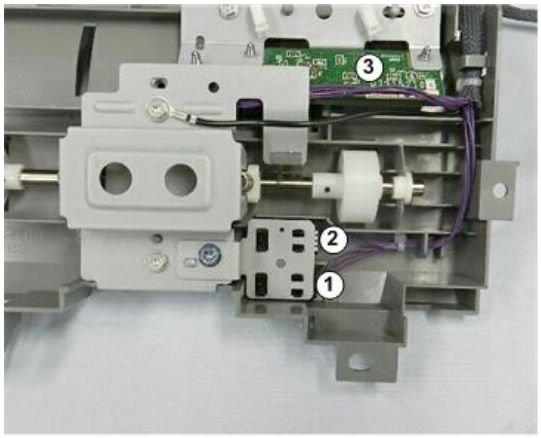
d1792548

3. Separate the plates.



d1792549

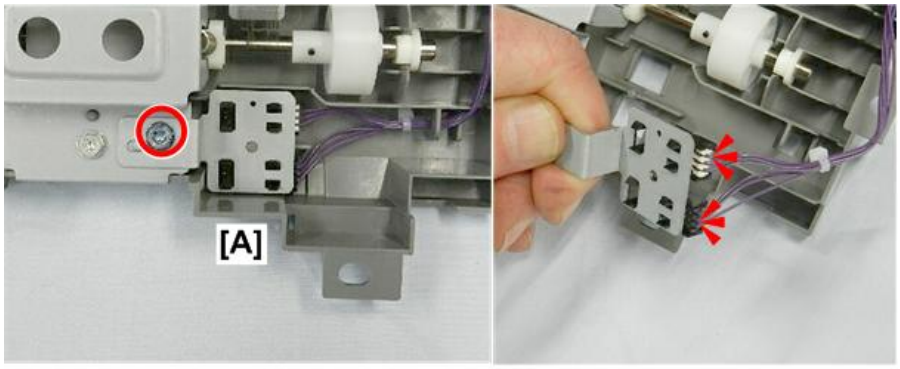
4. Sensors:
   - ① Separation sensor
   - ② Skew correction sensor
   - ③ Double-feed sensor 2 (Option)



d1792550

Separation Sensor, Skew Correction Sensor

1. Disconnect the sensor bracket [A] (x1).
2. Disconnect the sensors (x2, x8).



d1792551

Double-feed Sensor 2 (Receiver)

Important

- This machine is not equipped with double-feed sensors before shipping. This feature is an option for this machine that must be purchased separately and installed by a trained service technician. This sensor will not be present unless the kit has been installed.

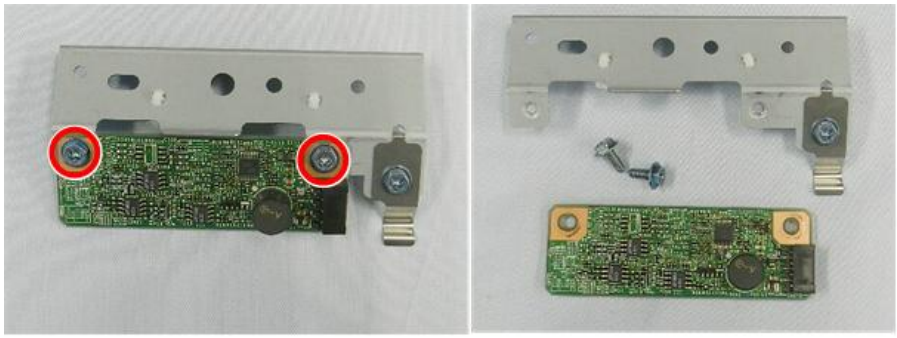
1. Disconnect the sensor bracket, and then remove it (x2).

d1792552

2. Disconnect the sensor (x1).

d1792553

3. Separate the sensor board and the bracket (x2).



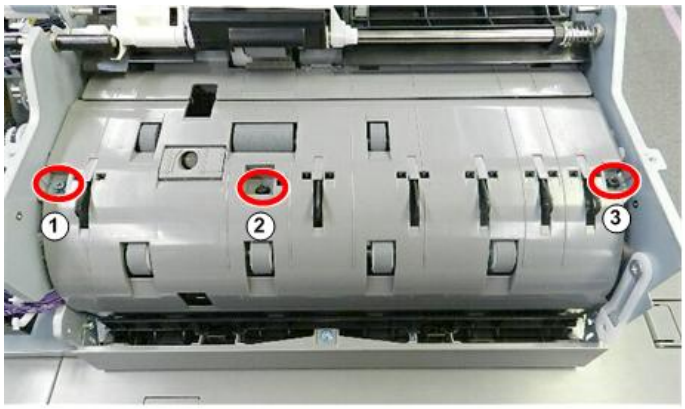
d1792554

Double-feed Sensor 1 (Option), Interval Sensor, Original Width Sensors

1. Feed cover (Feed Cover)
2. Disconnect the lower guide, in order from rear to front: ① Blue, ②,③ Black step screws (x1, x2).

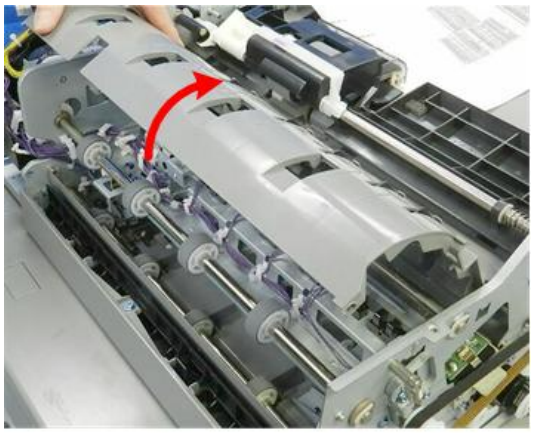
Important

- These screws must be re-installed in the same order: the blue screw at the back and the black screws at the center and front.



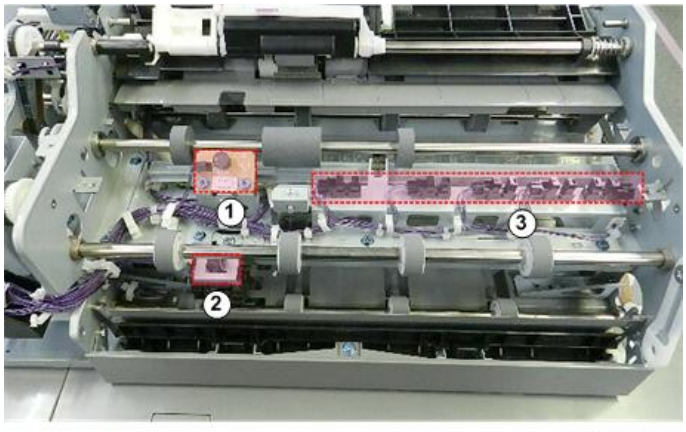
d1792555

3. Remove the guide.



d1792556

①	Double-feed Sensor 1 (Option)
②	Interval Sensor
③	Original Width Sensors



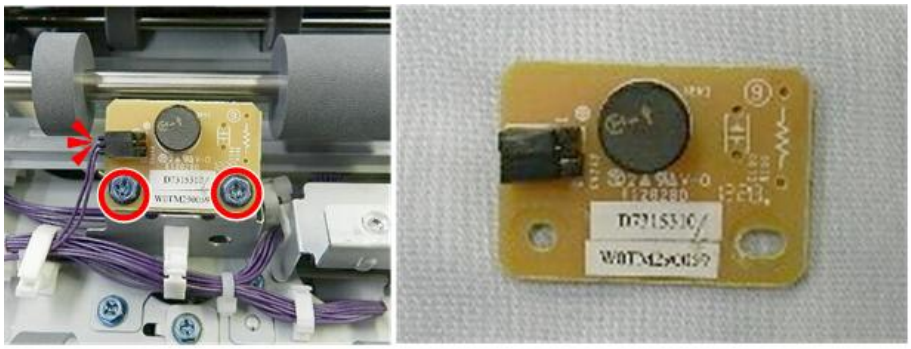
d1792557

Double-feed Sensor 1 (Emitter)

Important

- This machine is not equipped with double-feed sensors before shipping. This feature is an option for this machine. The double-feed sensor kit must be purchased and installed. This sensor will not be present unless the kit has been installed.

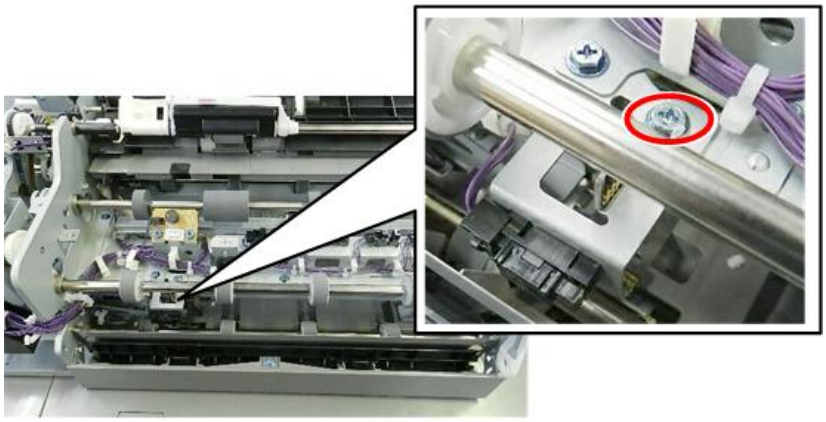
4. Disconnect the sensor board (x1, x2).
5. Remove the sensor board.



d1792558

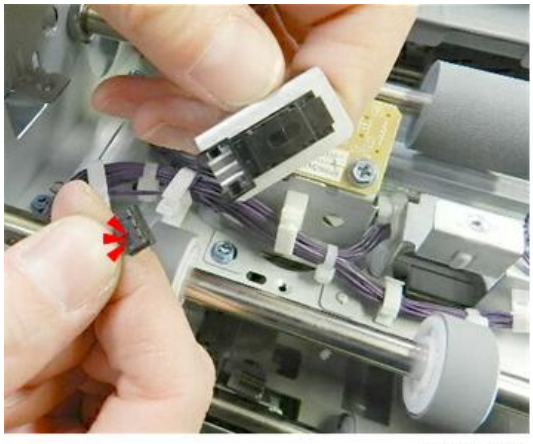
Interval Sensor

1. Disconnect the sensor bracket (x1).



d1792559

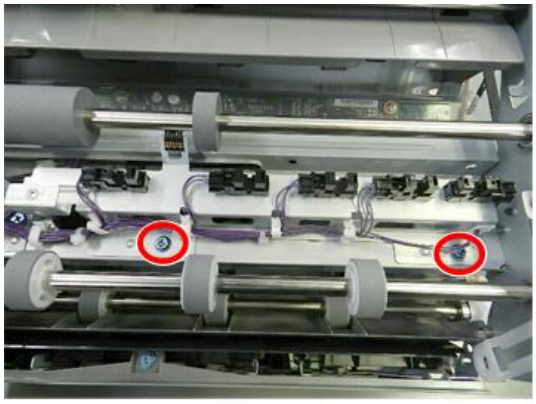
2. Disconnect the sensor (x1, x4).



d1792560

Original Width Sensors

1. Disconnect the sensor bracket (x2).

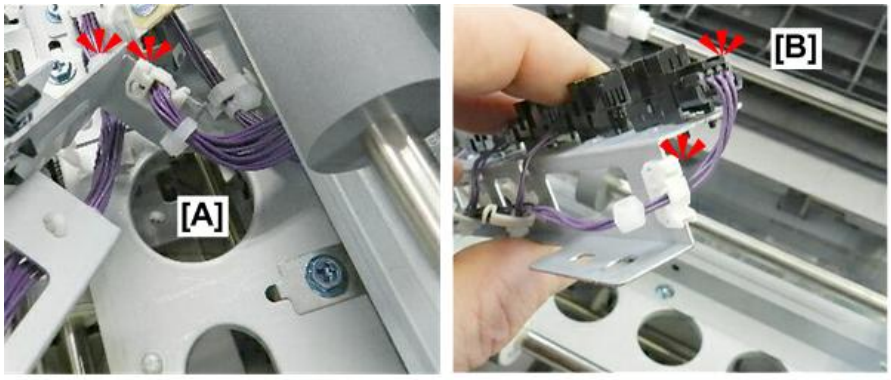


d1792561

2. Disconnect the sensor bracket:

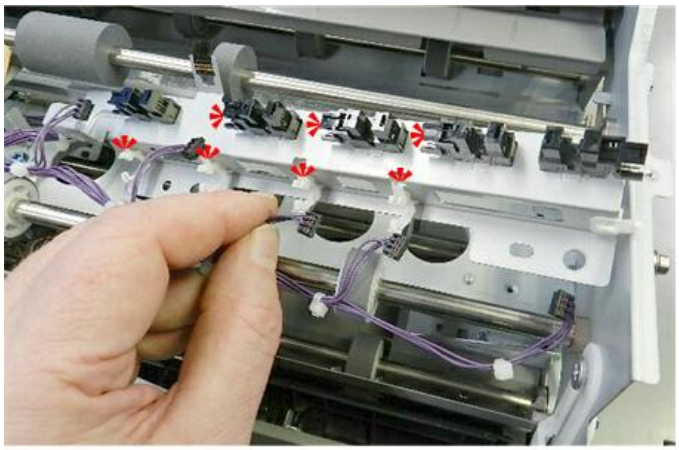
[A] Rear (x1, x1)

[B] Front (x1, x1)



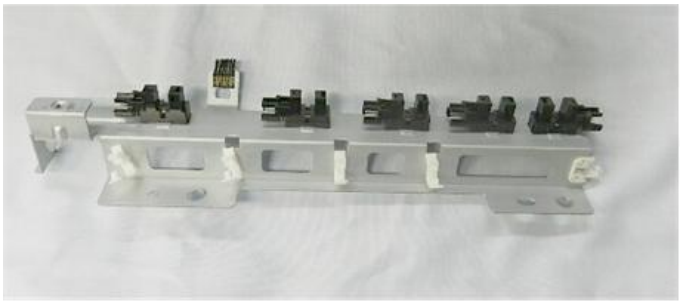
d1792562

3. Open and disconnect the remaining clamps and sensors (x4, x3).



d1792563

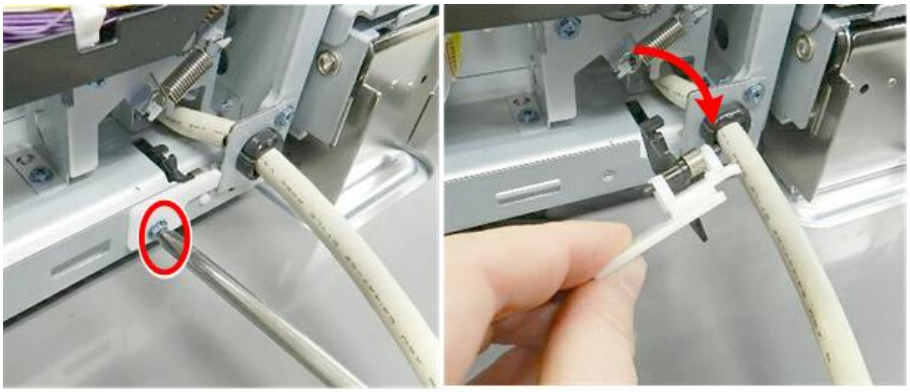
4. Remove the bracket.



d1792564

APS Feeler

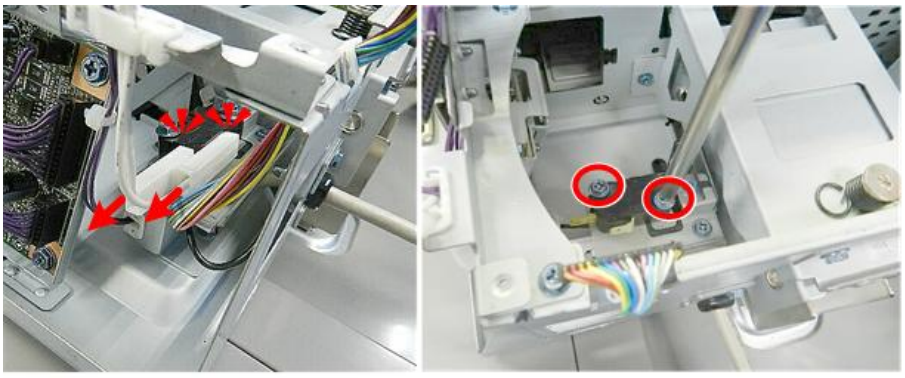
1. Rear cover (ADF Rear Cover)
2. Disconnect the bracket (x1).
3. Remove the bracket with feeler attached.



d1792565

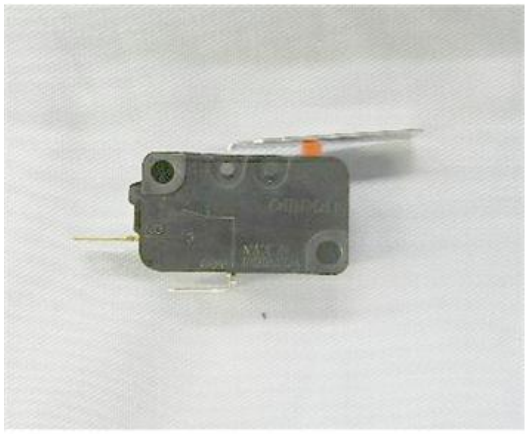
ADF Lift Interlock Switch

1. ADF control board (ADF Control Board)
2. Disconnect the switch (x2, x2).



d1792566

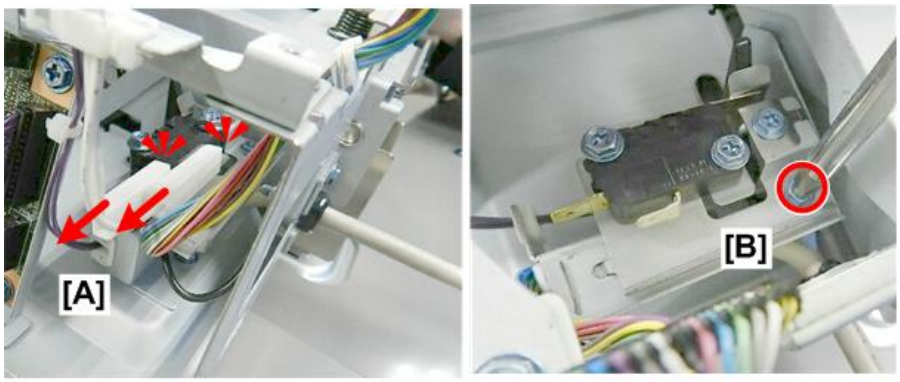
3. Remove the switch.



d1792567

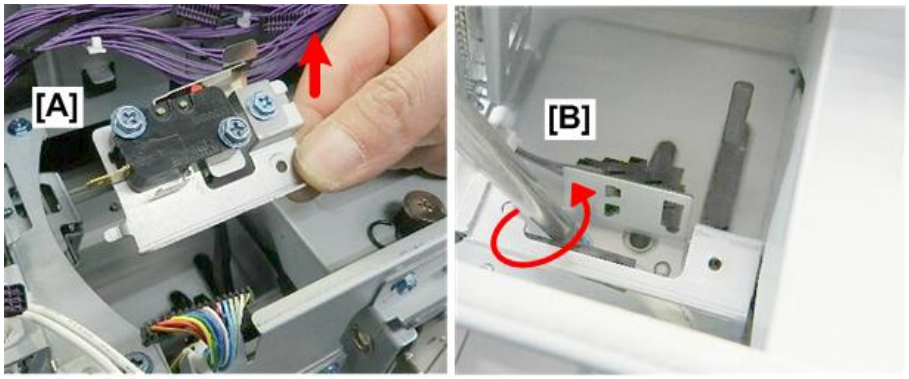
Lift-up Sensor

1. ADF control board (ADF Control Board)
2. Disconnect the ADF interlock switch [A] (x2).
3. Disconnect the switch bracket [B] (x1).



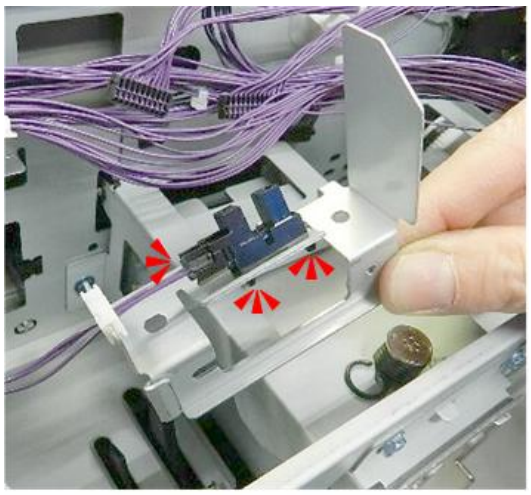
d1792568

4. Lift out the interlock switch bracket [A].
5. Disconnect the lift-up sensor bracket [B] (x1).



d1792569

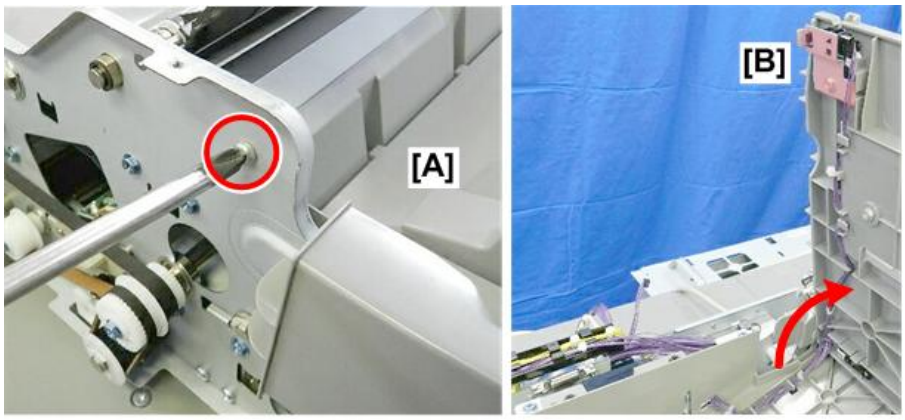
6. Separate the sensor and bracket (x1, x4).



d1792570

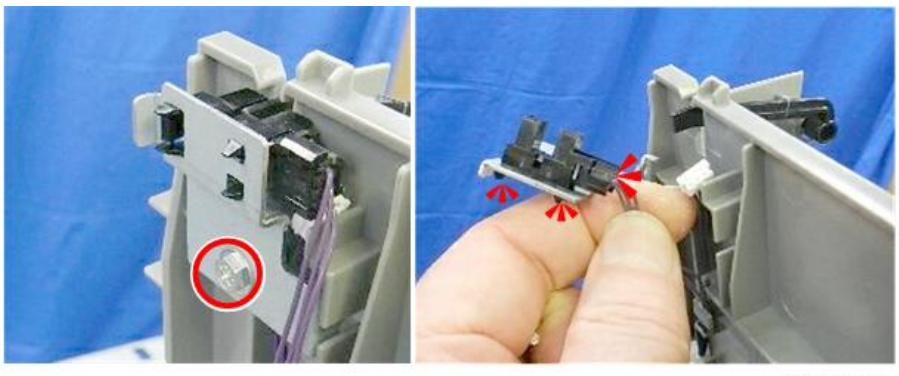
Original Set Sensor

1. ADF front cover (ADF Control Board)
2. Remove the screw [A] (x1).
3. Raise the plate to the right so that you can see the original set sensor [B].



d1792571

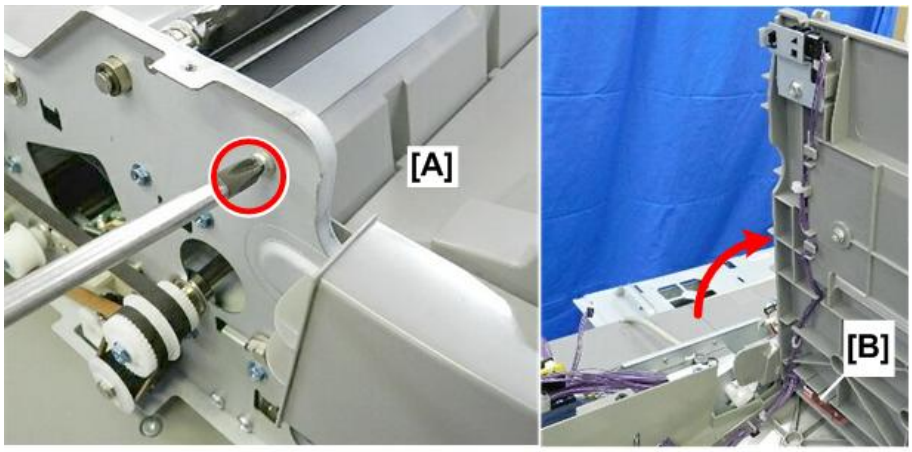
4. Remove the sensor bracket (x1).
5. Remove the sensor (x1, x4).



d1792572

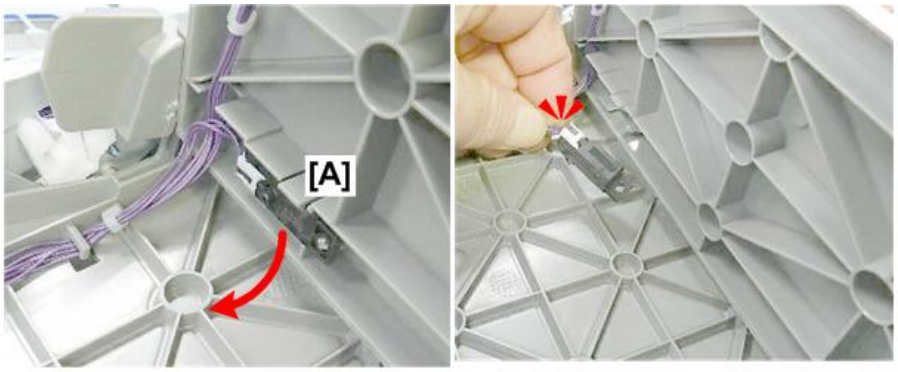
A4/LT SEF Sensor

1. ADF front cover (ADF Front Cover)
2. Remove the screw [A] (x1).
3. Raise the plate to the right so that you can see the A4/LT SEF sensor [B].



d1792573

4. Pull the sensor [A] out of its holder and disconnect it (x1).

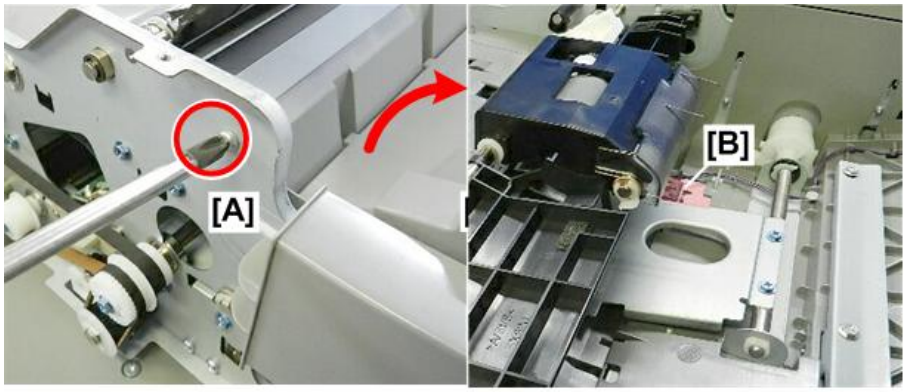


d1792574

Bottom Plate HP Sensor

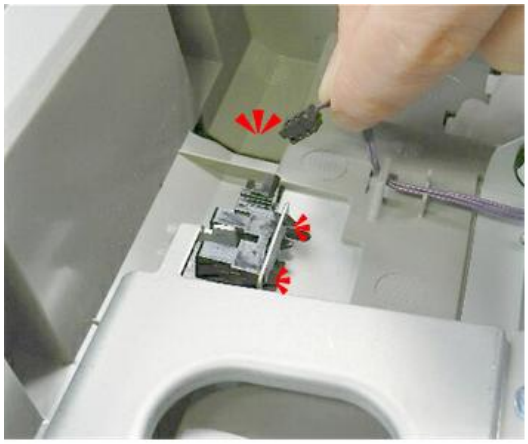
1. Original feed unit (Original Feed Unit)
2. ADF front cover (ADF Front Cover)
3. Remove the screw [A] (x1).

4. Raise the plate to the right so that you can see the bottom plate HP sensor [B].



d1792575

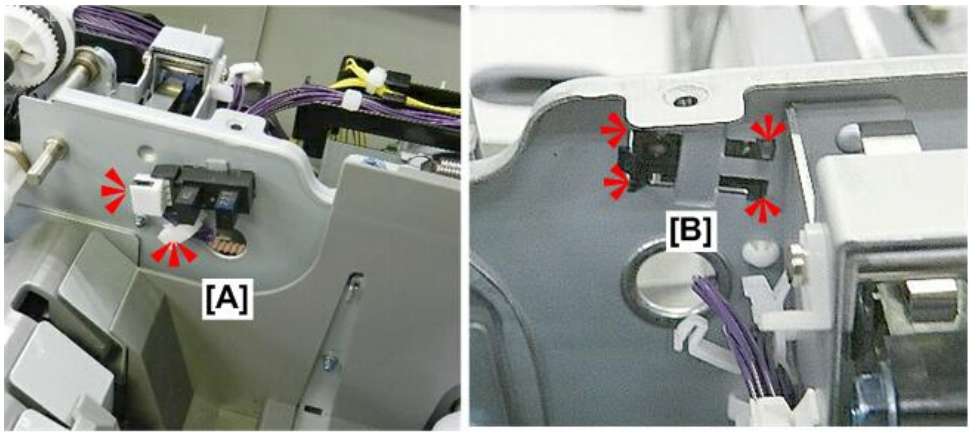
5. Remove the sensor (x1, x4).



d1792616

Bottom Plate Position Sensor

1. ADF rear cover (ADF Rear Cover)
2. Original feed unit (Original Feed Unit)
3. Disconnect the sensor at the front side [A] (x1, x1).
4. Disconnect the sensor at the rear side [B] (x4).



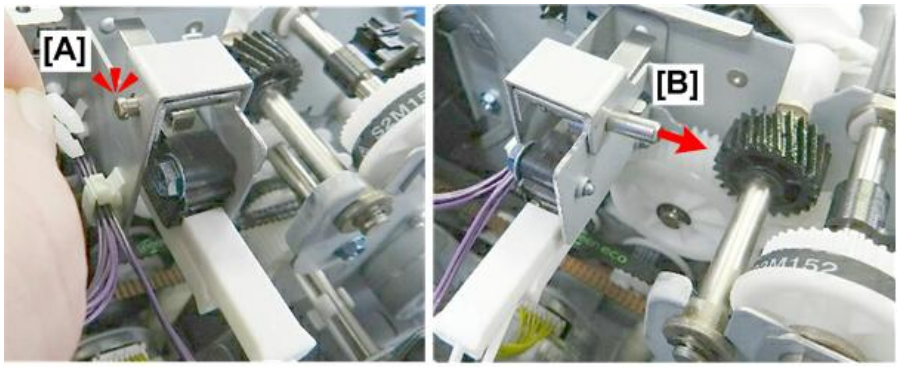
d1792576

ADF Feed Cover Interlock Switch

1. ADF rear cover (ADF Rear Cover)
2. Locate the switch at [A].
3. Remove the spring [B] (x1).

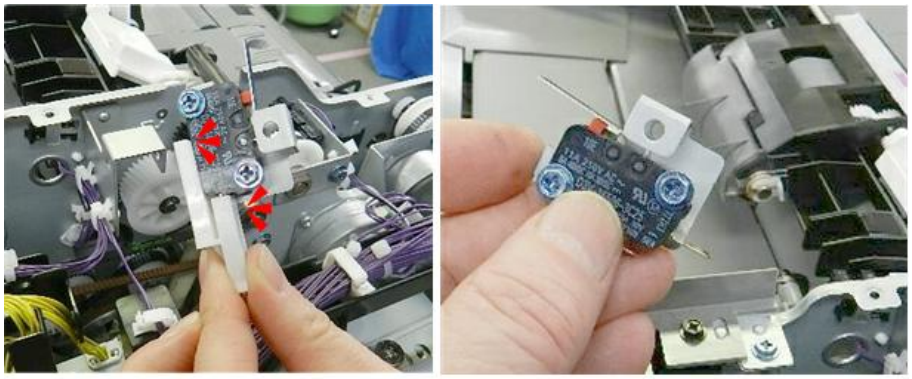
d1792577

4. Disconnect the pin [A] (x1).
5. Pull the pin out of the bracket [B].



d1792578

6. Disconnect the switch (x2).

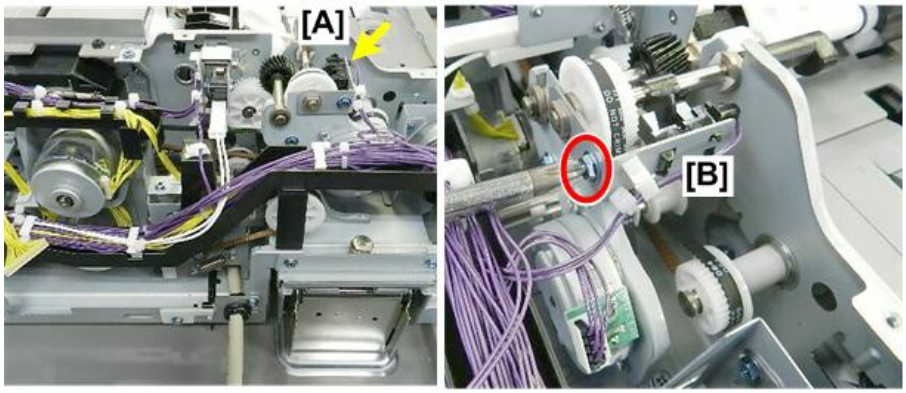


d1792579

Pickup Roller HP Sensor

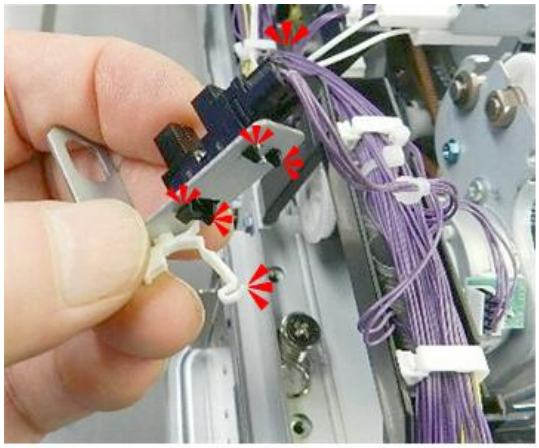
1. ADF rear cover (ADF Rear Cover)
2. Locate the sensor [A] at the back of the machine.

3. Disconnect the sensor bracket [B] (x1).



d1792580

4. Disconnect the sensor (x2, x1, x4).



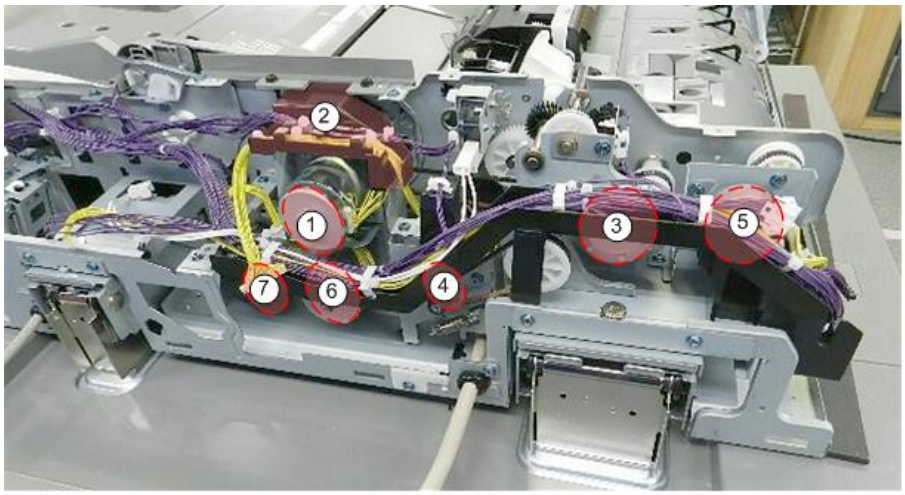
d1792581

Motors

Before You Begin

All of the ADF motors are at the rear.

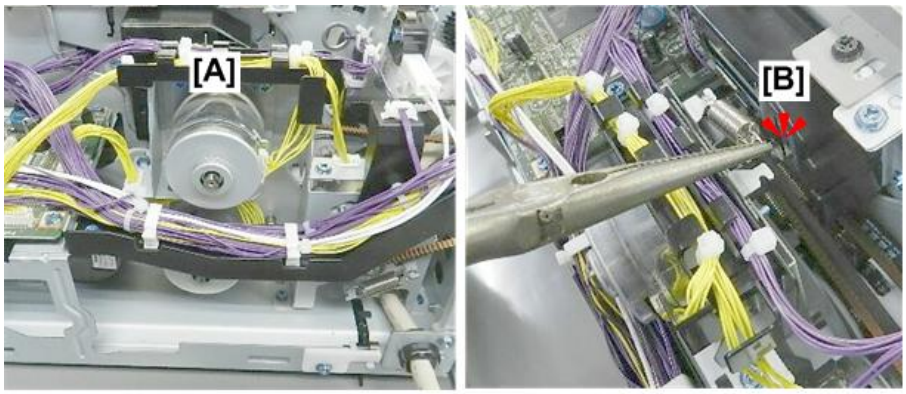
①	Entrance motor
②	Bottom plate lift motor
③	Feed motor
④	Pick-up roller motor
⑤	Transport motor
⑥	Scan motor
⑦	Relay motor



d1792582

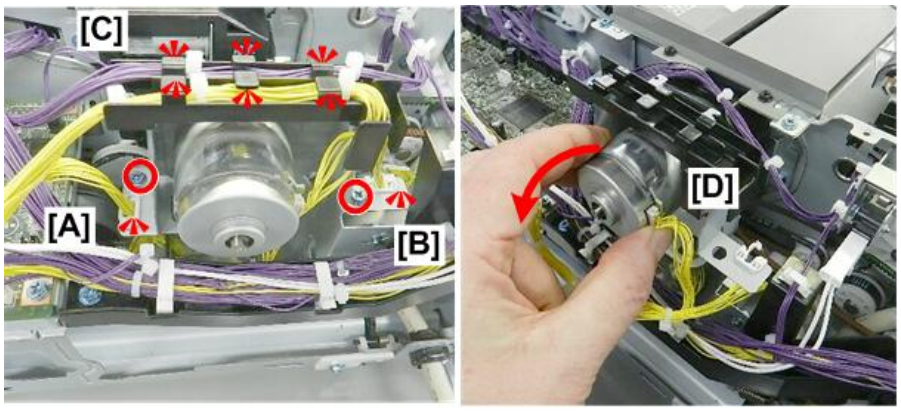
ADF Entrance Motor

1. ADF rear cover (ADF Rear Cover)
2. Locate the motor below the harness bridge [A].
3. Remove the spring [B] (x1).



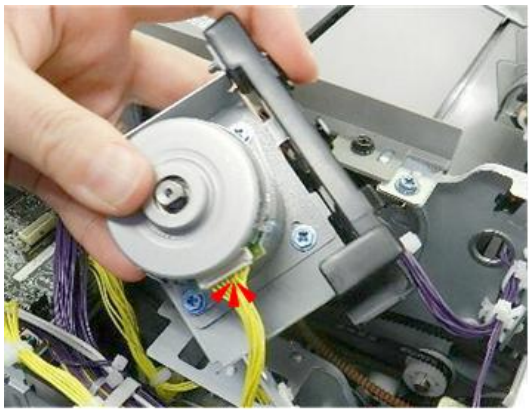
d1792586

4. Disconnect:
   [A] Right side [x1, x1)
   [B] Left side [x1, x1)
5. Free the harnesses [C] from the tuck clamps (x6).
6. Pull out the bracket [D] (with motor attached).



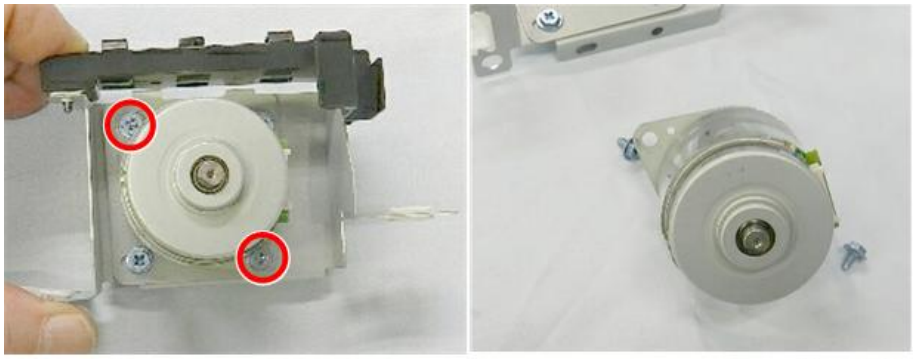
d1792587

7. Disconnect the motor (x1).



d1792588

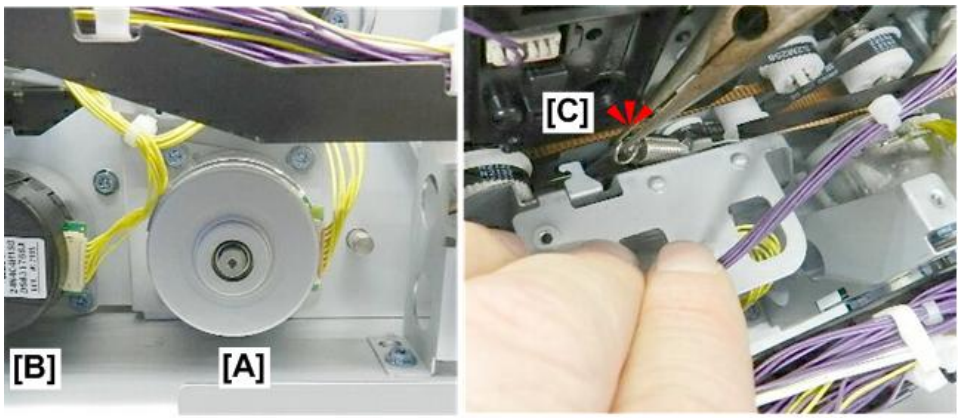
8. Separate the motor and the bracket (x1).



d1792589

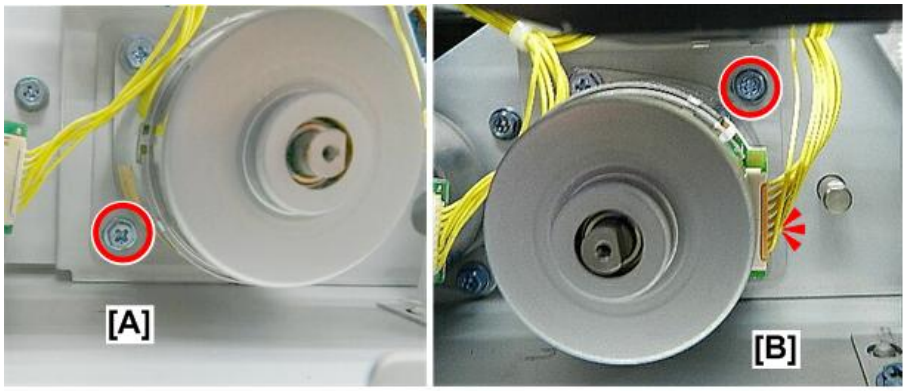
ADF Scan Motor

1. ADF entrance motor bracket (ADF Entrance Motor)
2. Locate the ADF scan motor [A] at the bottom center, next to the ADF exit motor [B].
3. Disconnect at [C] (x1).



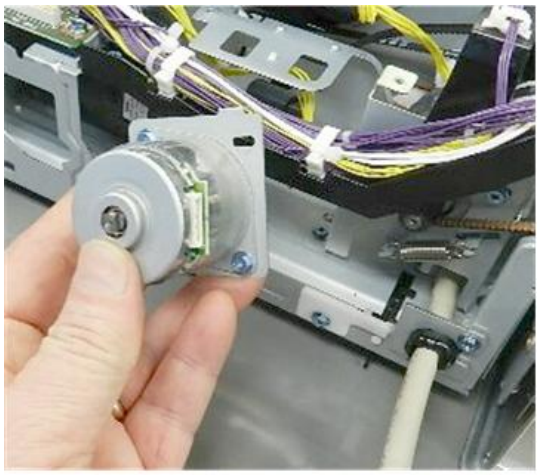
d1792590

4. Disconnect the bracket [A] and the motor [B] (x2, x1).



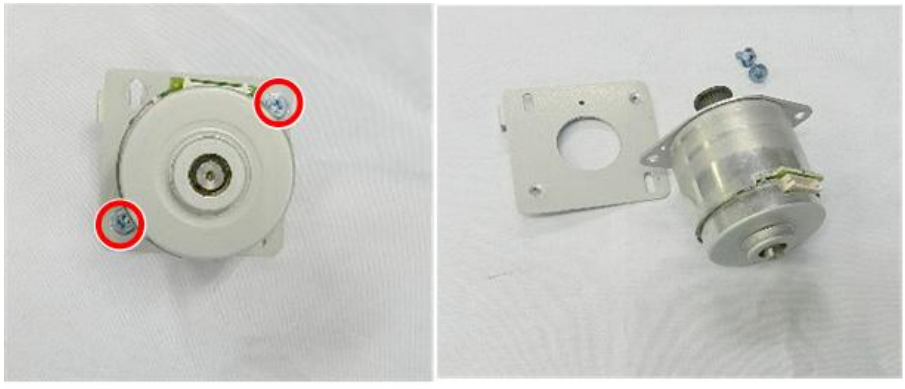
d1792591

5. Remove the bracket (with motor attached).



d1792592

6. Separate the bracket and the motor (x2).

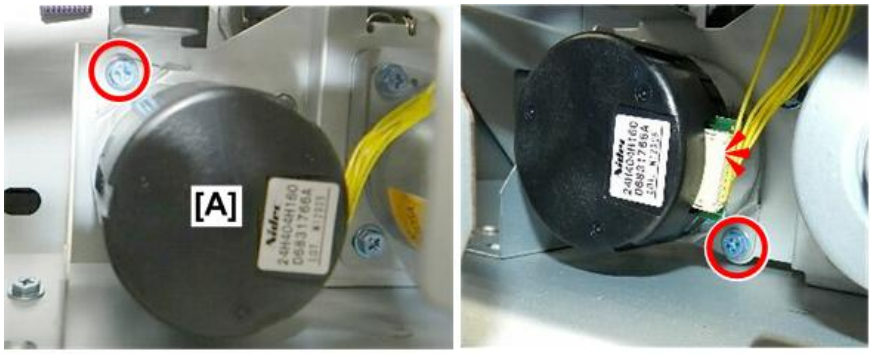


d1792593

ADF Relay Motor

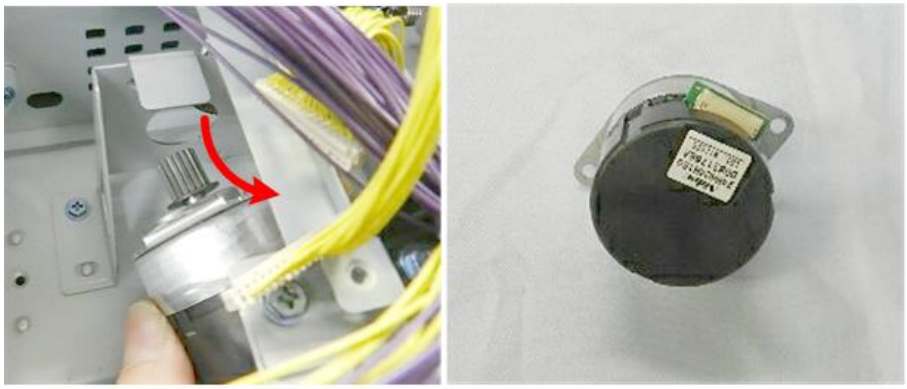
1. ADF control board (ADF Control Board)

2. Disconnect the bracket and the motor (x2, x1).



d1792583

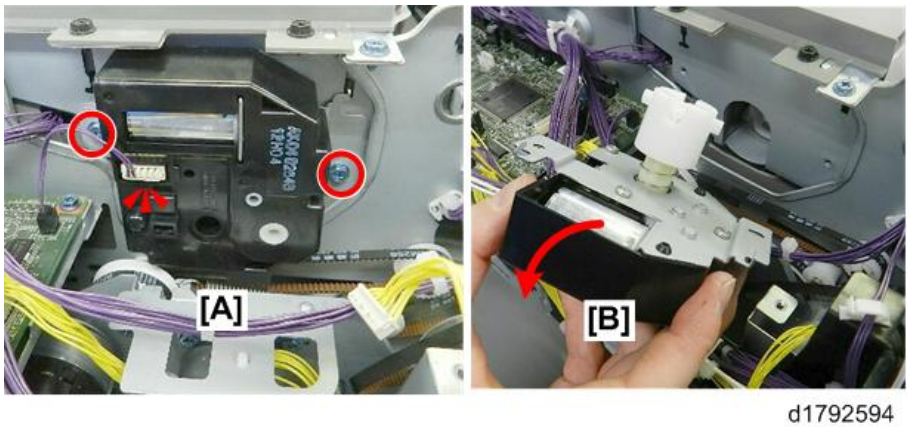
3. Disconnect at the back and remove the motor (x1).



d1792584

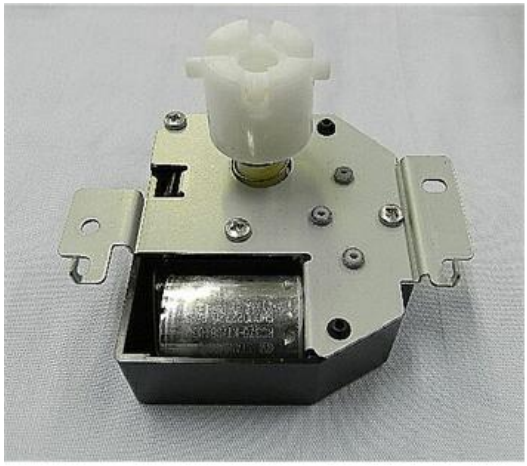
ADF Bottom Plate Lift Motor

1. ADF entrance motor bracket (ADF Entrance Motor)
2. Disconnect the motor [A] (x2, x1).
3. Pull the motor bracket [B] and coupling away from the back of the ADF.



d1792594

4. Lay the bracket on a flat clean surface.

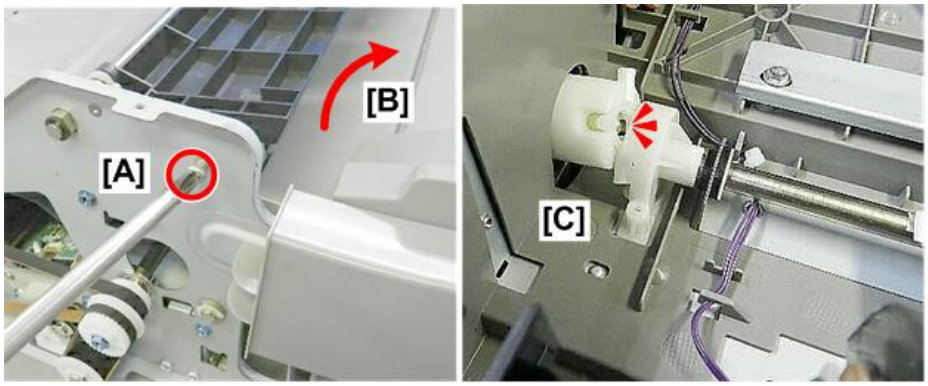


d1792595

Re-installation

If it is difficult to re-install the ADF bottom plate lift motor:

- Remove the screw [A], and then raise the plate [B] to the right (x1).
- At the rear, you will be able to see and access the ADF lift motor coupling [C].

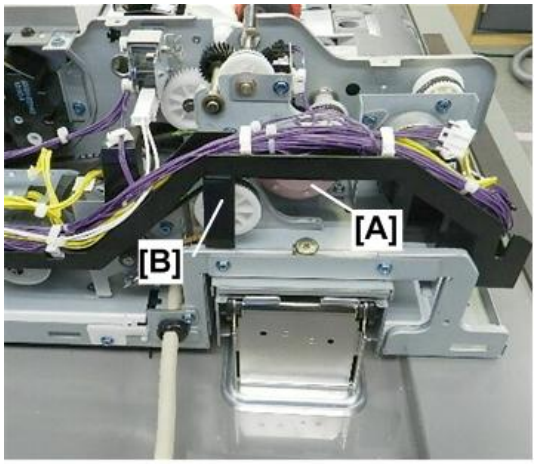


d1792596

ADF Feed Motor

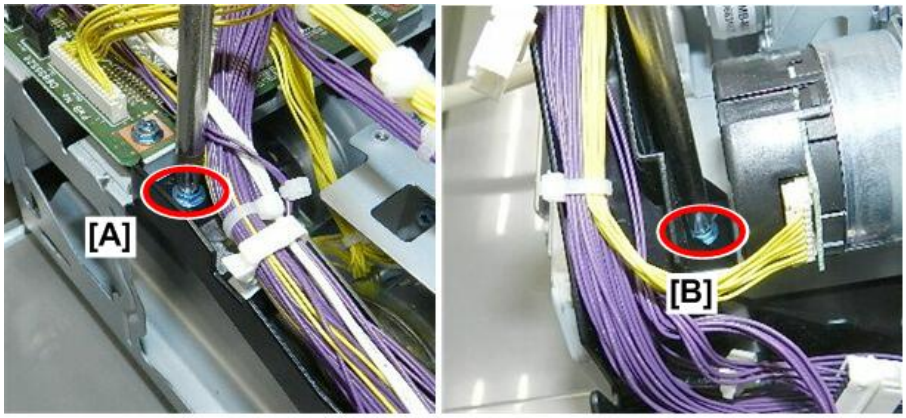
1. ADF rear cover (ADF Rear Cover)

2. The motor [A] is behind the stay [B] of the harness bridge.



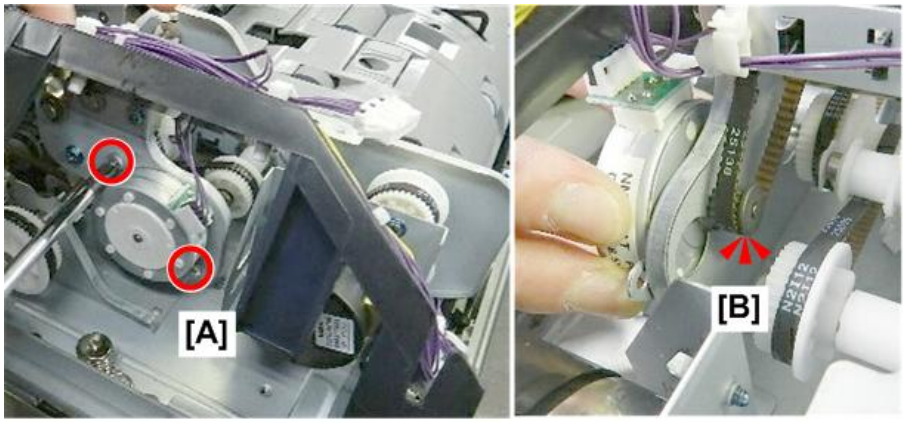
d1792603

3. Remove screws [A] and [B] (x2).



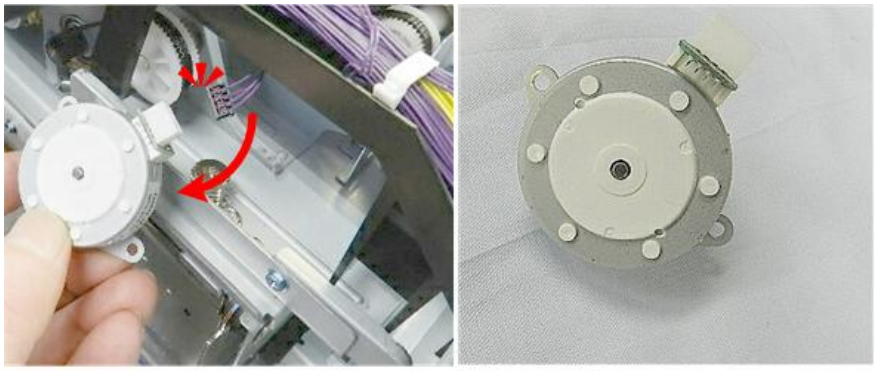
d1792598

4. Disconnect the motor bracket [A] (x1).
5. Disconnect the belt [B].



d1792604

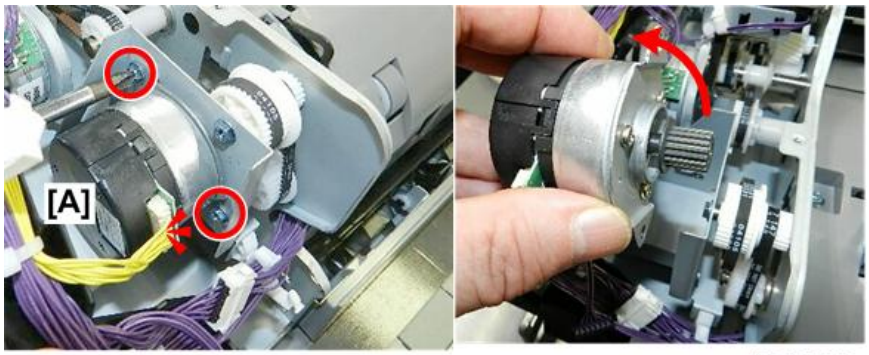
6. Disconnect and remove the motor (x1).



d1792605

ADF Transport Motor

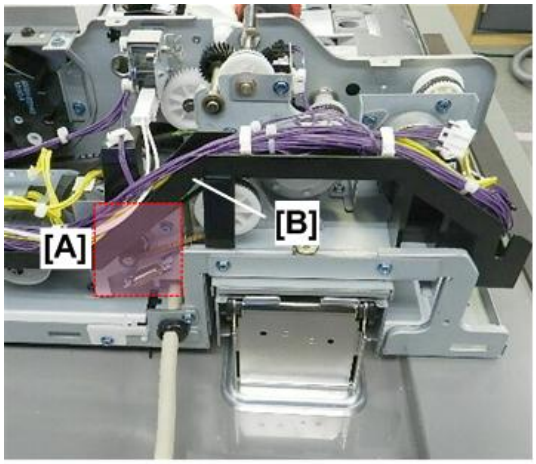
1. ADF rear cover (ADF Rear Cover)
2. The transport motor [A] is at the rear left corner of the machine frame.
3. Disconnect the motor bracket (x2).



d1792606

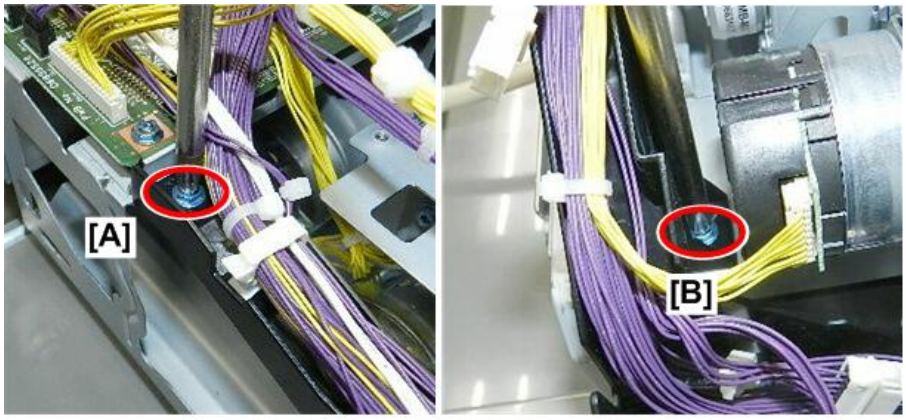
ADF Pick-up Roller Motor

1. ADF rear cover (ADF Rear Cover)
2. The motor [A] is behind the stay [B] of the harness bridge.



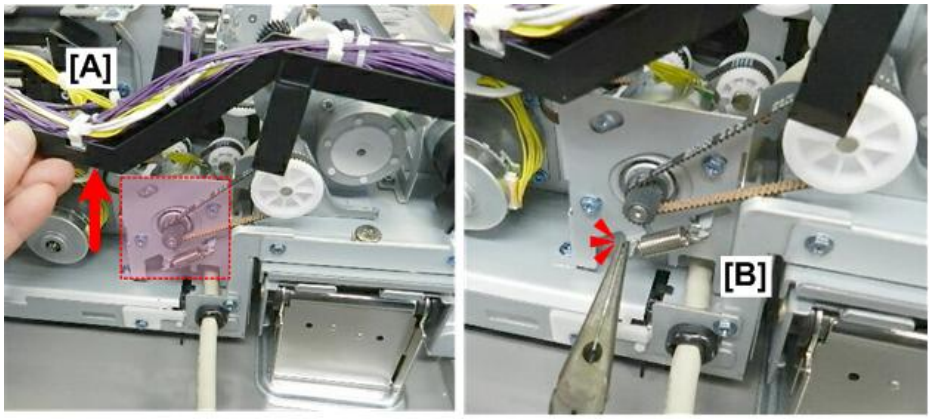
d1792597

3. Remove screws [A] and [B] (x2).



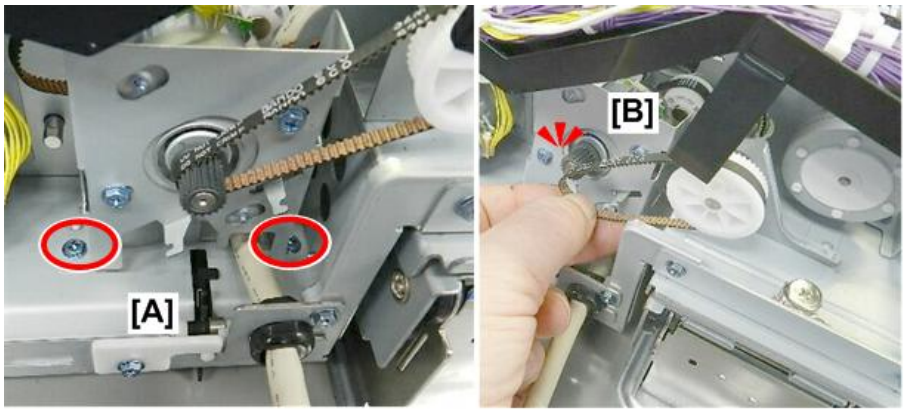
d1792598

4. Raise the harness bridge [A] so that you can access the motor.
5. Remove the spring [B] (x1).



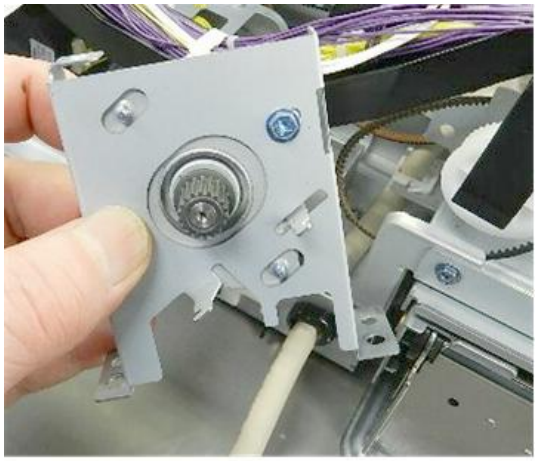
d1792599

6. Disconnect the base screws of the bracket [A] (x2).
7. Disconnect the belt [B] (x1).



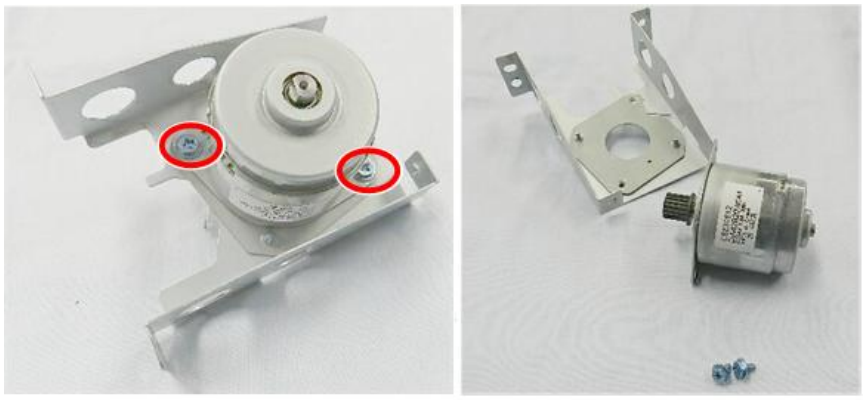
d1792600

8. Remove the bracket (with motor attached).



d1792601

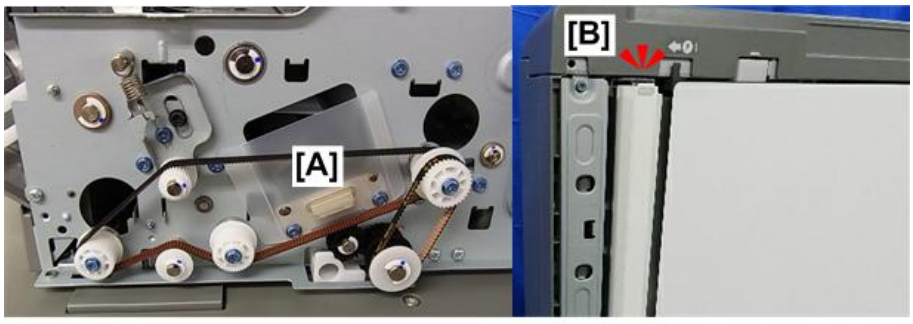
9. Separate the motor and the bracket (x2).



d1792602

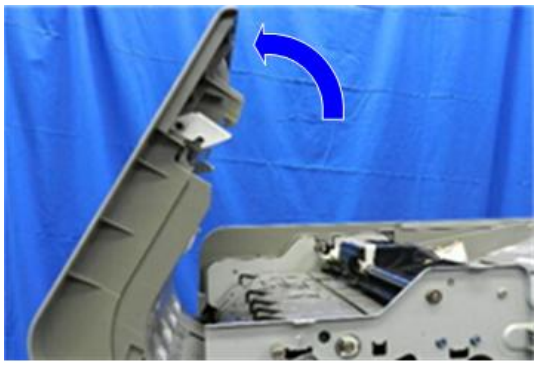
CIS Removal

1. ADF front cover (ADF Front Cover)
2. Original feed unit (Original Feed Unit)
3. The CIS is inside the ADF and can be removed through [A].
4. First, open raise the platen cover, and then release the white plate [B].



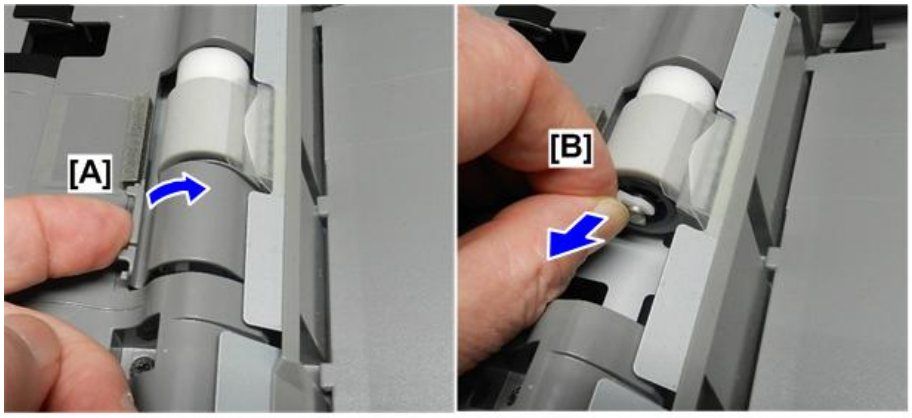
d270b2608

5. Raise the feeder cover.



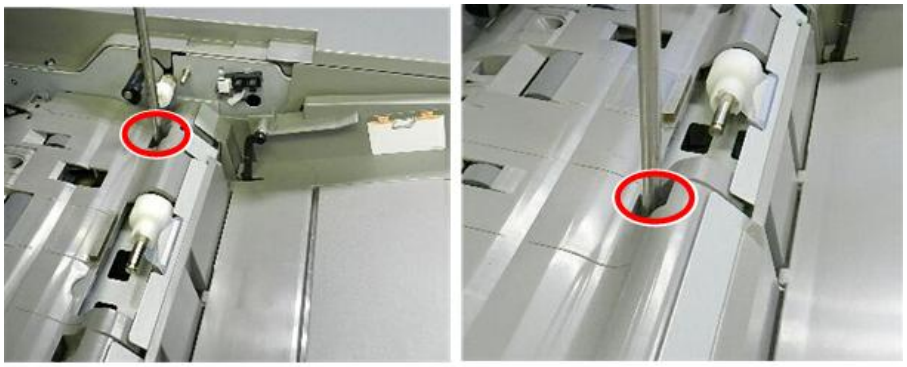
d270b2610

6. Remove the cover [A], and then remove the separation roller [B].



d270b2609

7. Disconnect the front guide [x2).

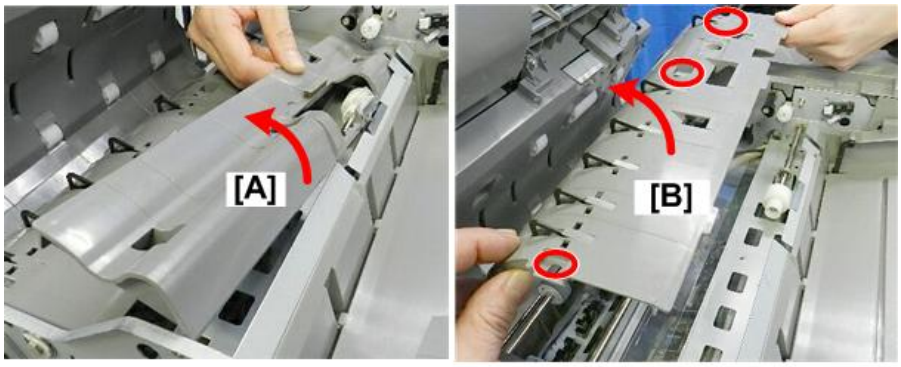


d1792610

8. Remove:

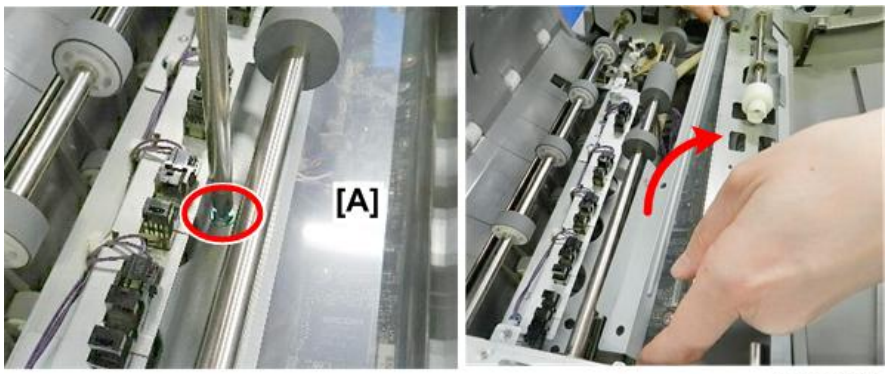
[A] Front guide

[B] Guide (x1, x2)



d17926111

9. Remove the mylar bracket [A] (x1).

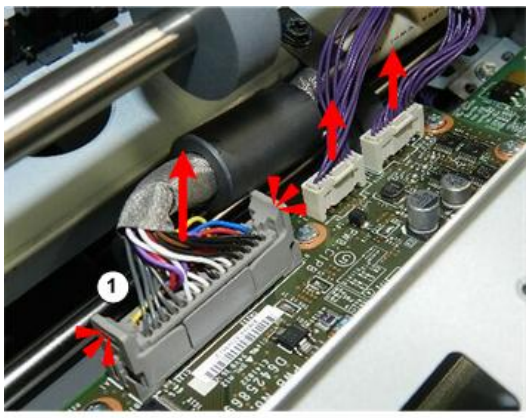


d1792612

10. Disconnect the CIS (x3).

Note

- Release the tabs on both sides of connector ① and then lower them to release the connector for removal.



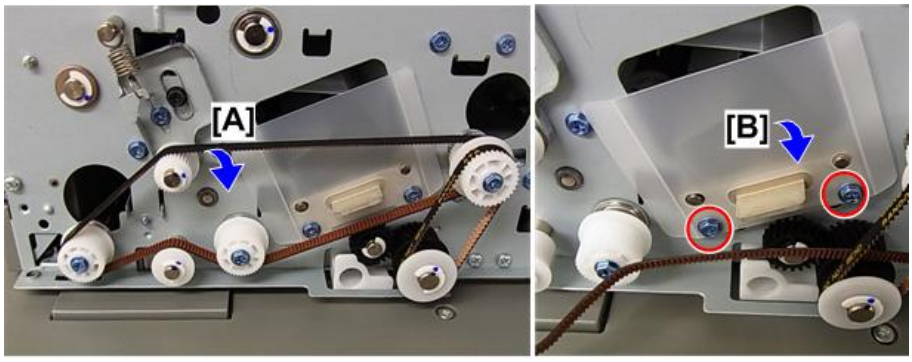
d270b2611

11. Raise the ADF slightly and open the white cover. This will prevent scratching the CIS glass when the unit is

removed.

d1792618

12. Slide the belt [A] off so that it does not interfere with removal and re-insertion of the CIS unit.
13. Remove the mylar plate [B] (x2).



d270b2613

14. Slowly and carefully, pull the CIS out of the ADF.

d270b2614

15. Clean the surface of the CIS lens with a lens cloth.

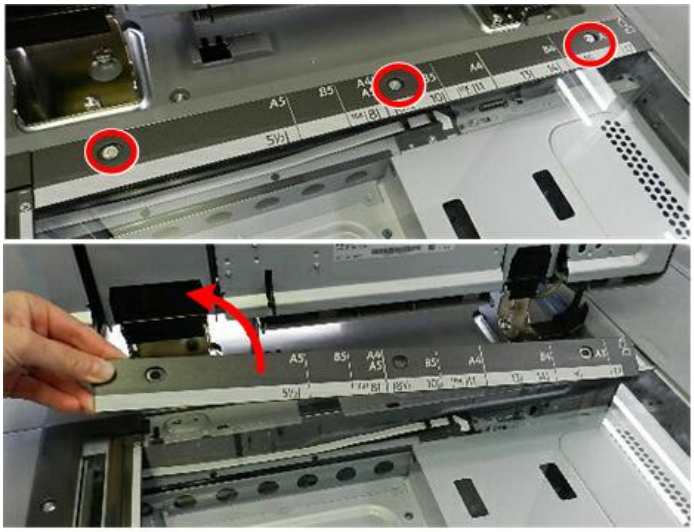
Important

- Never clean the surface of the CIS with tissue or any type of solvent.

Scanner Unit (Copier

Exposure Glass

1. Raise the ADF
2. Remove the rear scale (x3).

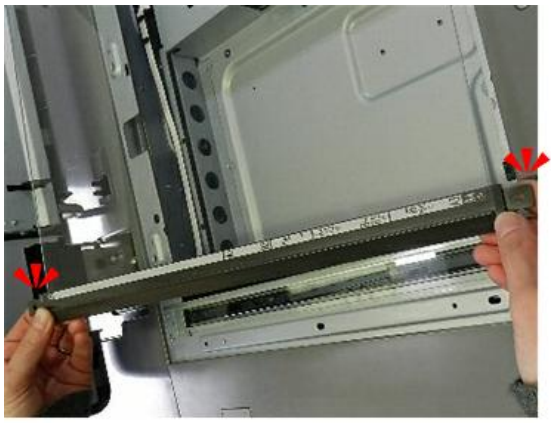


d1792621

3. Remove the left cover (x2).

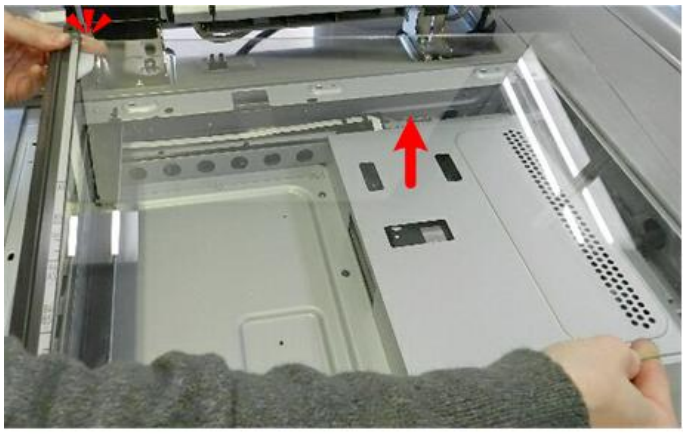
d1792622

4. Remove the left scale.



d1792623

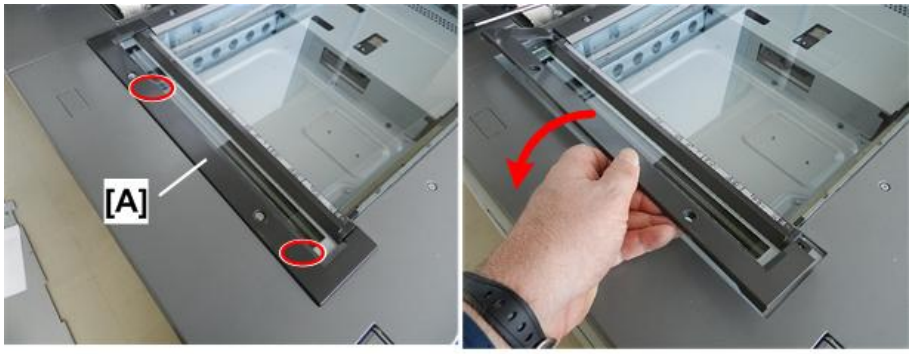
5. Remove the exposure glass.



d1792624

Scanning Glass

1. Raise the ADF.
2. Remove the bracket [A] (x2).



d1802602

3. Remove the glass (it is fastened by sticky tape).

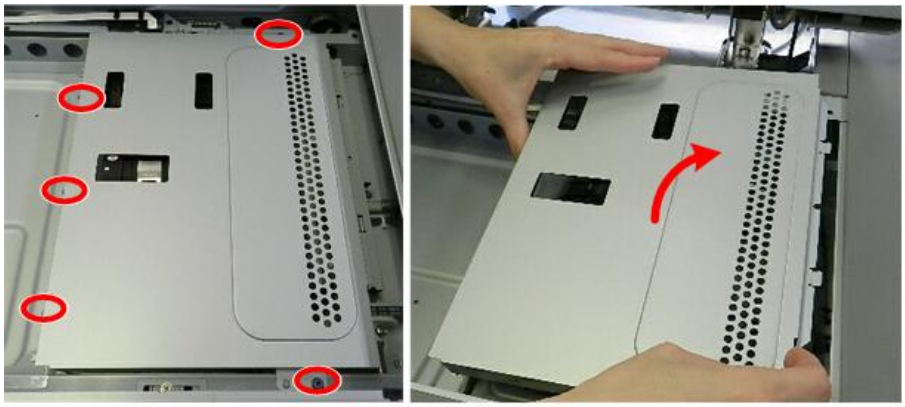
d1802603

4. When you re-install the glass, make sure that the paint dot is in the upper left corner.

d1802604

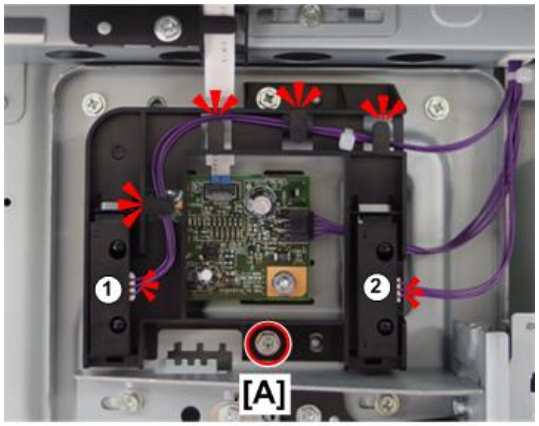
Original Size Sensor, IDB

1. Remove the exposure glass (Exposure Glass)
2. Remove the lens block cover (x5).



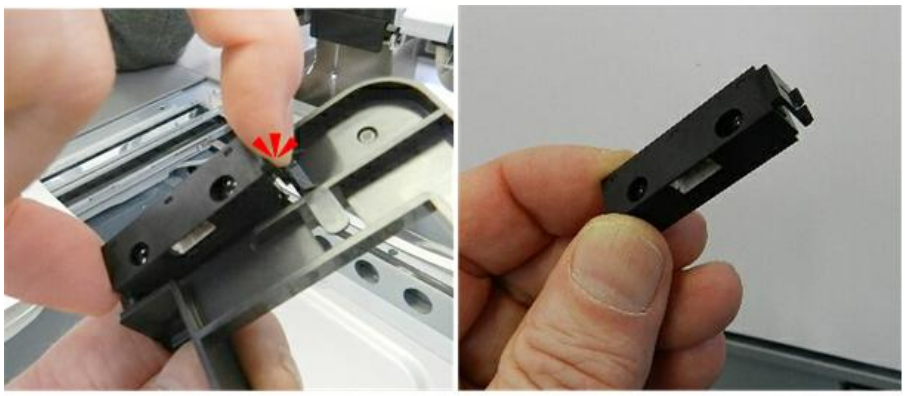
d1792635

3. Free the harnesses, and then disconnect the sensor bracket [A] (x4, x2).
4. Disconnect sensors ① and ② (x2).



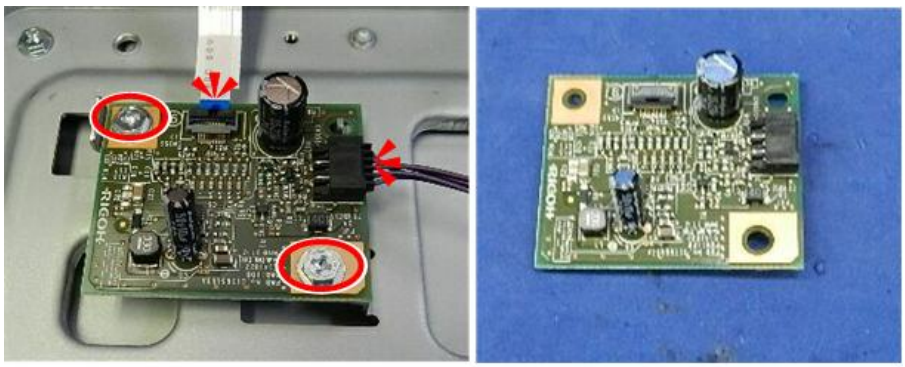
d1792636

5. Separate the sensor from the bracket.



d1792637

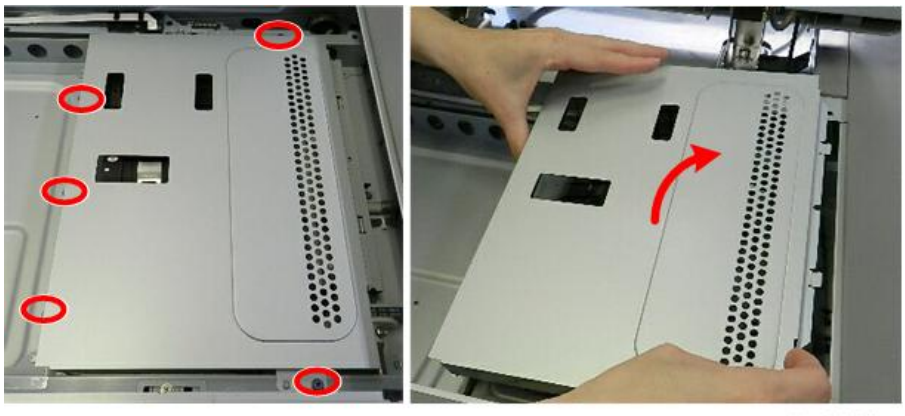
6. Remove the IDB (x1, x1, x2)



d1792638

Lens Block

1. Remove the exposure glass (Exposure Glass)
2. Remove the lens block cover (x5).

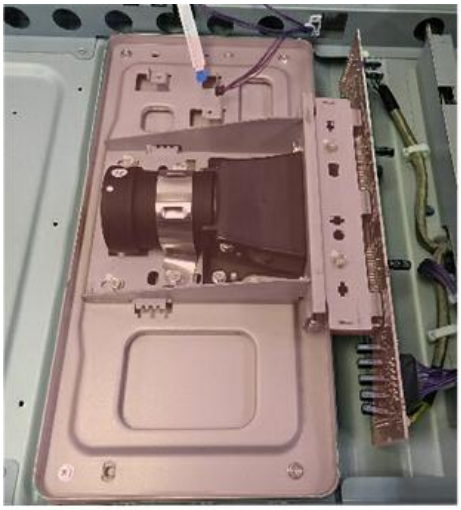


d1792635

3. Remove the original sensor bracket and the IDB (see the previous section).

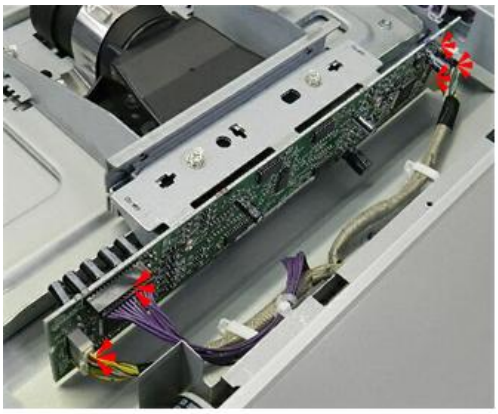
Important

- The lens block is always removed and re-installed as a single unit.
- It is never disassembled. If any part fails, the lens block is replaced as a unit.



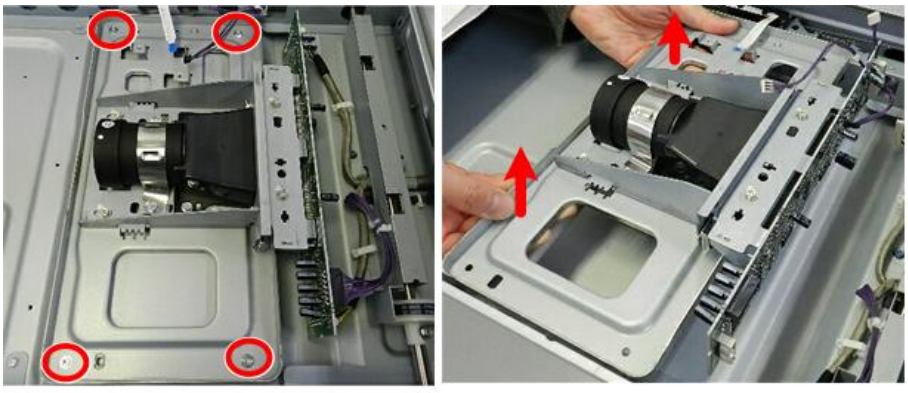
d1792639

4. Disconnect the unit (x5).



d1792640

5. Remove the lens block unit (x4).



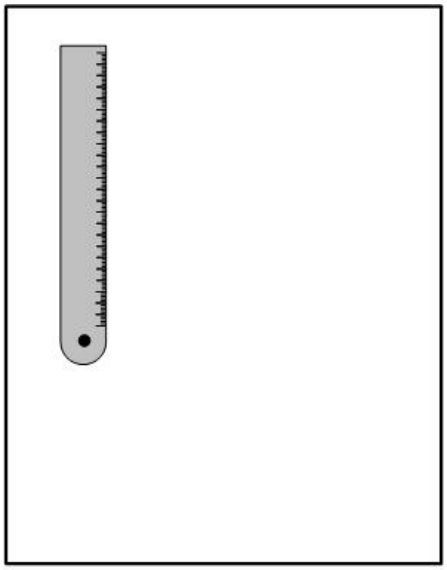
d1792641

6. Lay the lens block on a clean flat surface.

d1792642

Sub Scan Magnification Adjustment

1. You need a 150 mm scale.



d1802601

2. Copy the scale, and then wait 10 min.
3. Check the length of the 100 mm scale on the copy and confirm that it is the same as the original within ±0.8%.

   If they are the same, you have finished.

   -or-

   If they are not the same, enter the SP mode.
4. Select SP4008.
   - If you decrease the adjustment value, this will increase the scanner speed, and the output image is compressed in the feed direction.
   - If you increase the adjustment value, this will decrease the scanner speed, and the output image is extended in the feed direction.

Sub Scan Registration Adjustment

1. You need the C4 chart.
2. Copy the C4 chart.
3. Check to see if the image is centered in the vertical direction.

   If the image is centered, you have finished.

   -or-

   If the image is not centered, enter the SP mode, open SP4010, and then adjust the value.
   - The image is moved downward by increasing the adjustment value.
   - The image is moved upward by decreasing the adjustment value.

Main Scan Registration Adjustment

1. You need the C4 chart.
2. Copy the C4 chart.
3. Check to see if the image is centered in the horizontal direction.

   If the image is centered, you have finished.

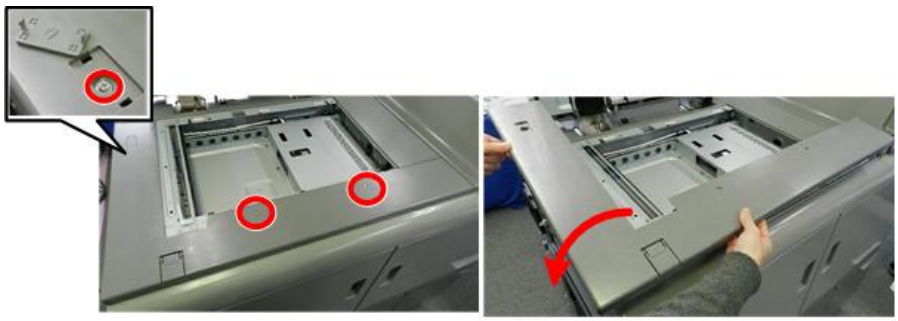
   -or-

   If the image is not centered, enter the SP mode, open SP4011, and then adjust the value.
   - The image is moved to the right by increasing the adjustment value.
   - The image is moved to the left by decreasing the adjustment value.

Exposure Lamp

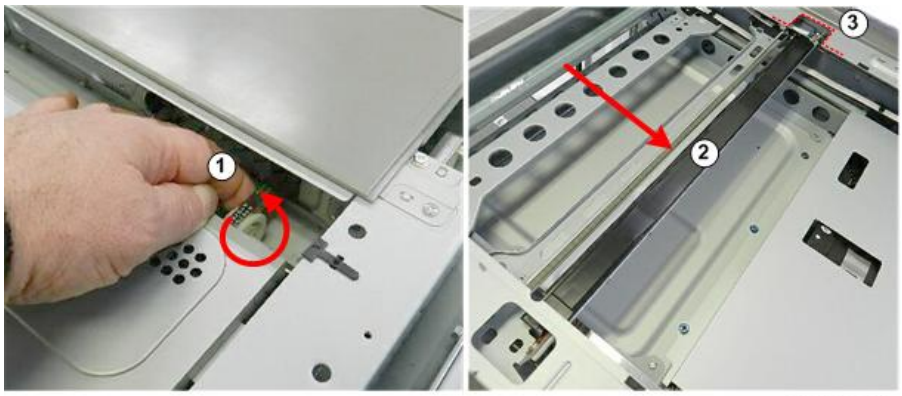
Exposure Lamp Removal

1. Remove the exposure glass (Exposure Glass)
2. Remove the front "L" cover (cap x1, x1, x2).



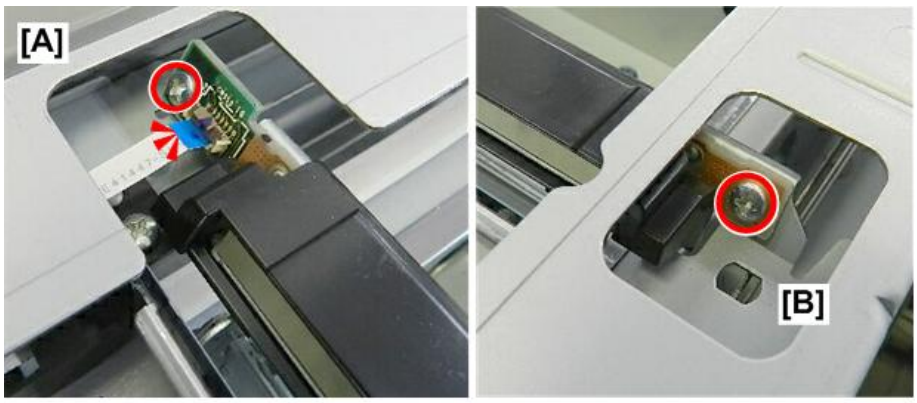
d1792643

3. Turn the scanner motor belt ① until the exposure lamp unit ② reaches the cut-out ③ at the rear.



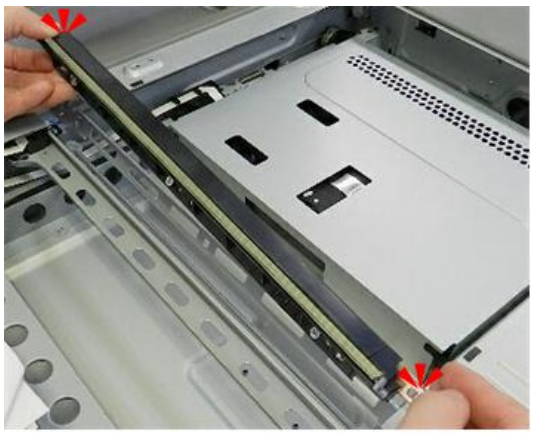
d1792644

4. Disconnect the rear end of the unit [A] (x1, x1).
5. Disconnect the front end [B] (x1).



d1792698

6. Remove the exposure lamp.

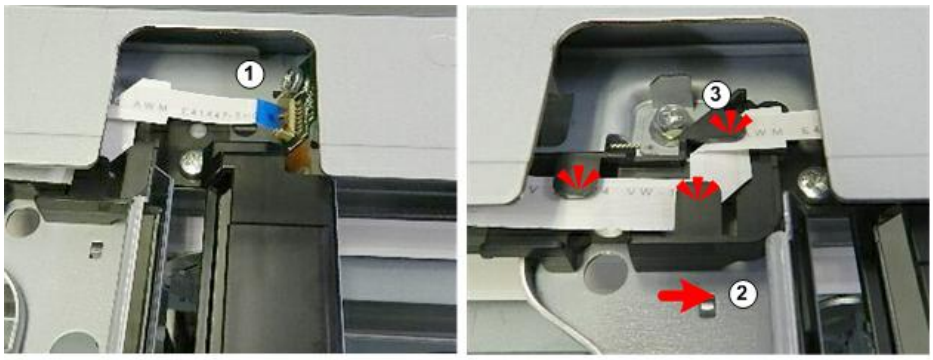


d1792699

Exposure Lamp Re-installation

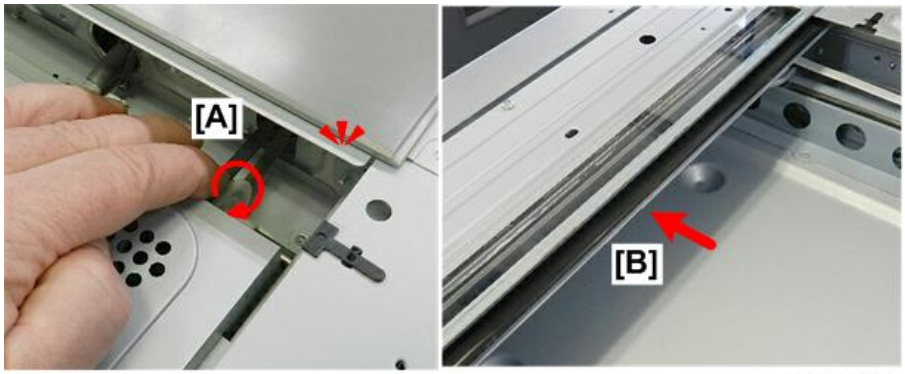
1. At the rear, first connect the flat cable at ① (x1).
2. Turn the scanner motor belt counter-clockwise to move the lamp unit to the right ② until you see the tuck

clamps ③.



d1792647

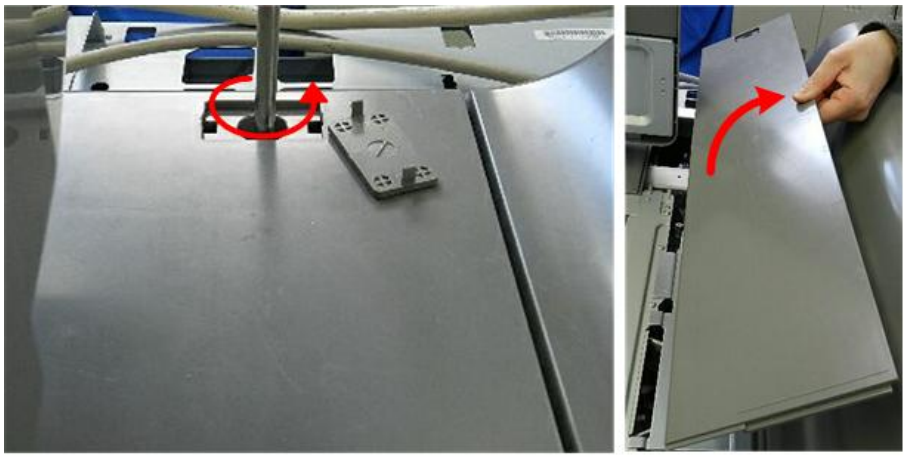
3. Make sure the flat harness is folded flat and tucked into the clamps.
4. Turn the scanner motor belt [A] clockwise to move the exposure lamp [B] all the way to the left until it stops.



d1792648

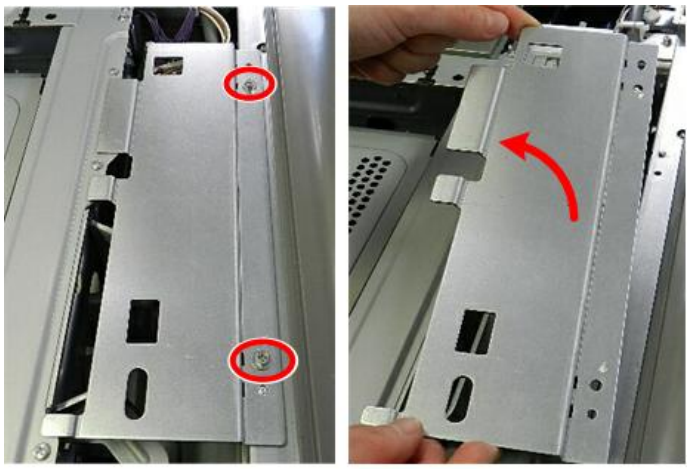
Scanner Motor

1. Remove the right plate cover (Cap x1, x1).



d1792649

2. Remove the bridge plate (x2).

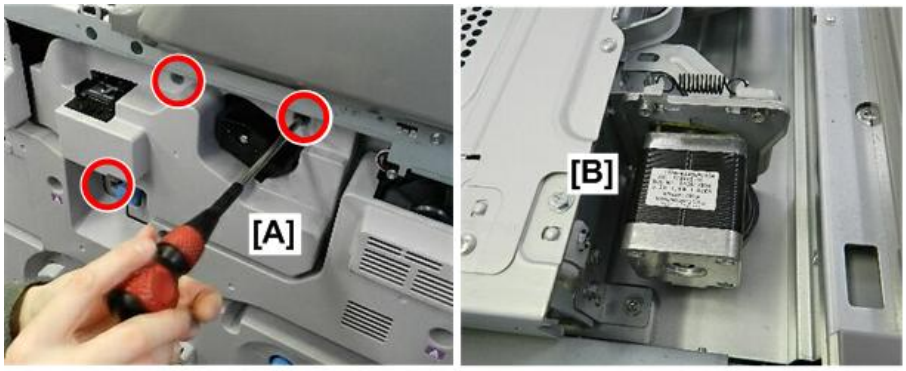


d1792650

3. Remove the front edge cover (x3).

d1792651

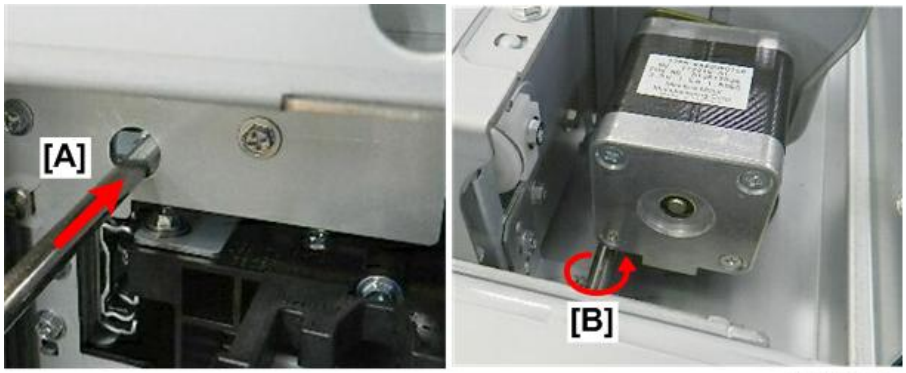
4. Remove the PCDU cover [A] (x3).
5. The scanner motor [B] is at the right front corner of the scanner unit.



d1792652

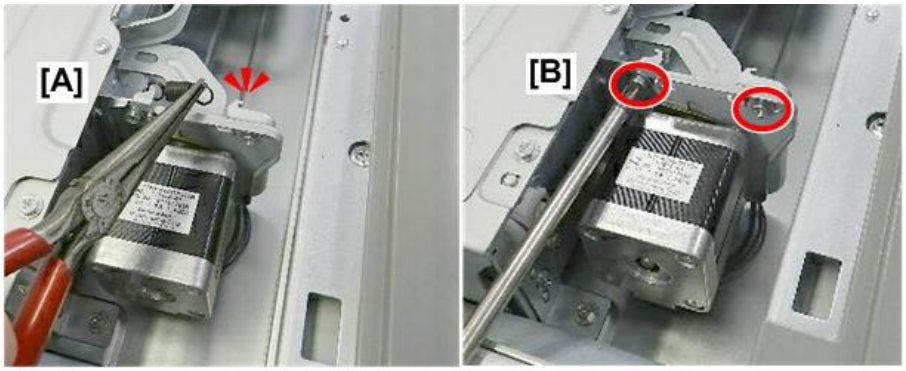
6. Insert a long screwdriver through the hole [A] where you just removed the PCDU cover.

7. Push the drive in until it reaches the back screw of the motor [B], and then remove the screw.



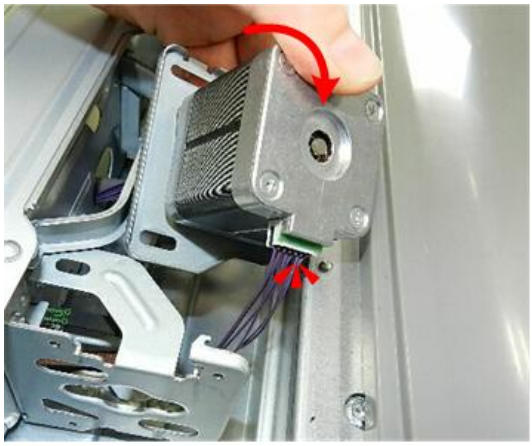
d1792653

8. Disconnect the spring at [A] (x1).
9. Disconnect the top of the bracket [B] (x2).



d1792654

10. Pull out the motor slightly, and then disconnect it (x1).



d1792655

11. Separate the motor and the flat bracket (x2).

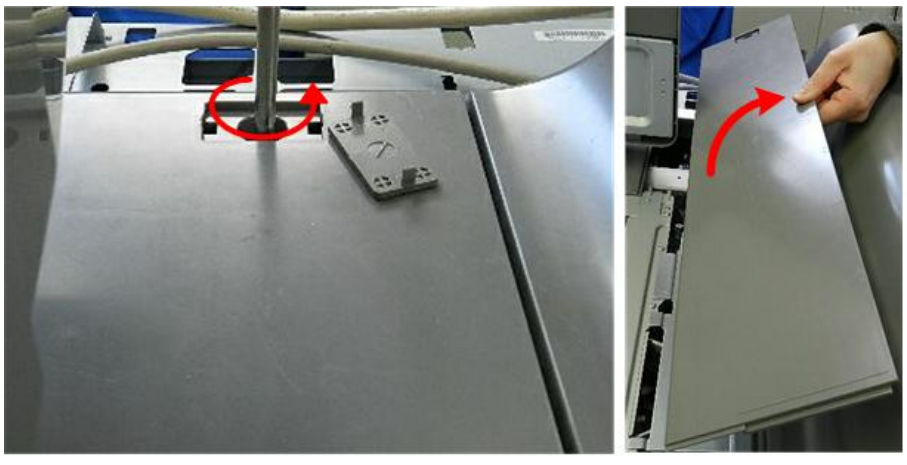
d1792656

12. Remove the collar bracket (x2).

d1792657

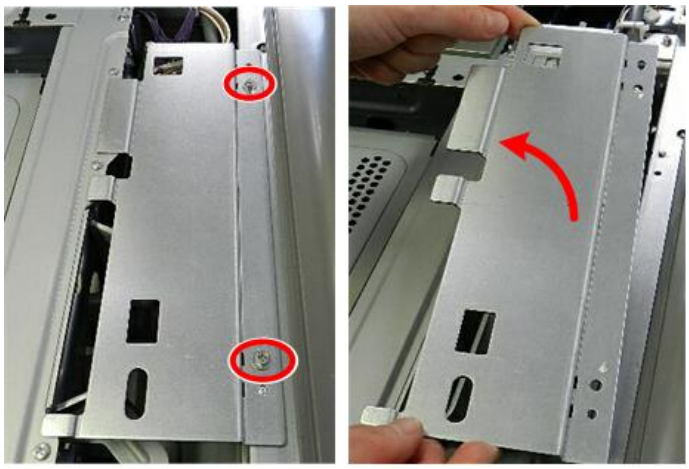
SIOB

1. Remove the right plate cover (Cap x1, x1).



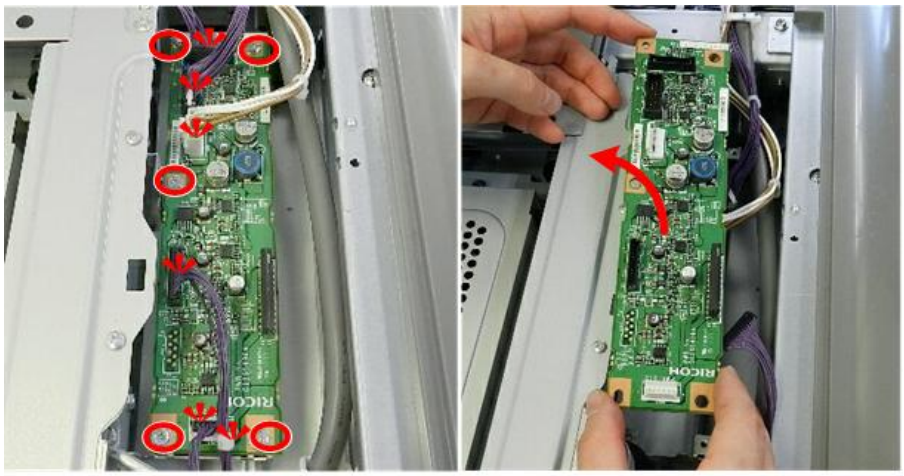
d1792649

2. Remove the bridge plate (x2).



d1792650

3. Remove the board (x5, x5).



d1792658

4. Lay the PCB on a flat clean surface.

d1792659

Scanner Unit

1. Open the controller box (Opening the Controller Box)
2. Remove the controller box cover (Removing the Controller Box Cover, Inner Cover)
3. Remove the ADF (ADF Removal)

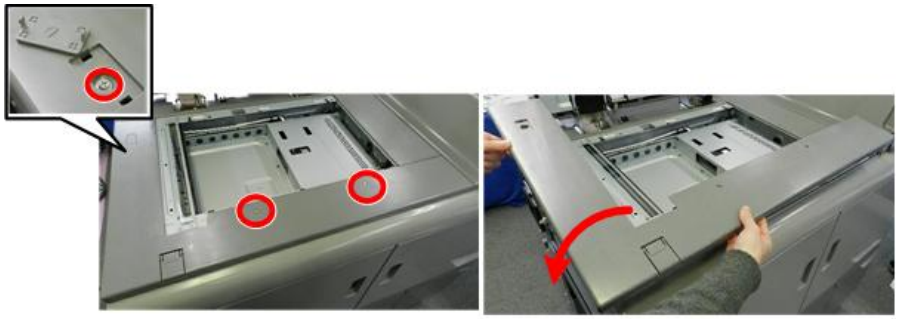
4. Set the ADF on the floor.

d1792661

5. Remove the rear flat plate (x5).

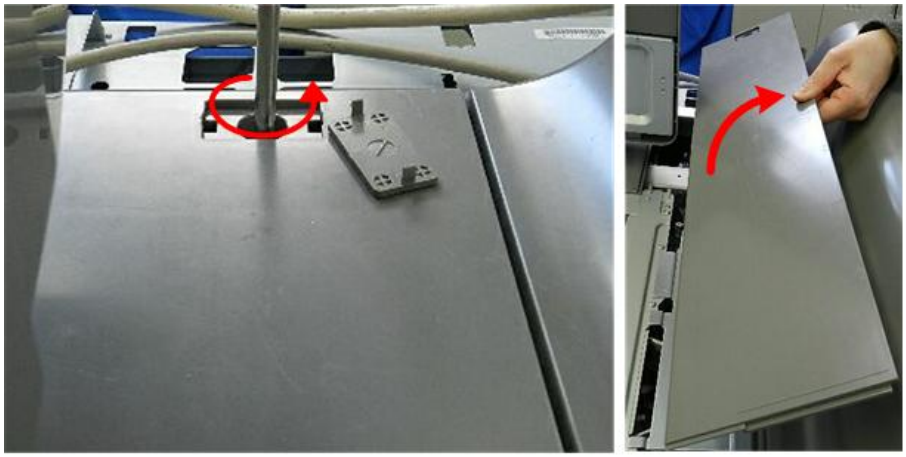
d1792662

6. Remove the “L” cover (x1, x2).



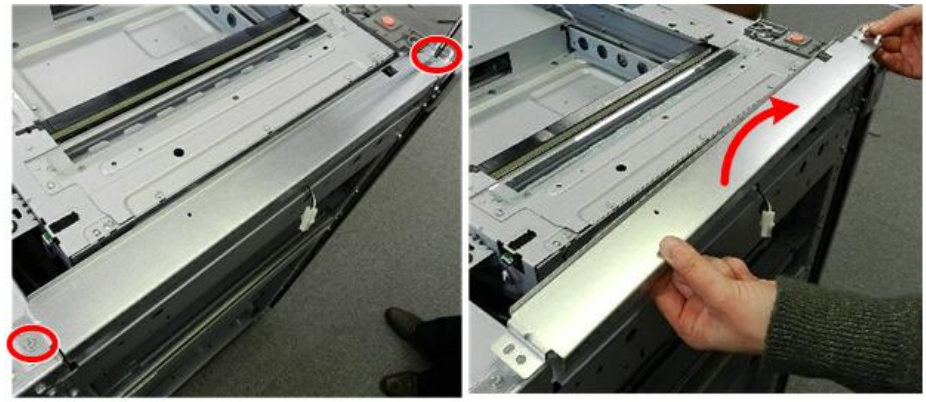
d1792643

7. Remove the right flat plate (x1).



d1792649

8. Remove the right stay (x2).

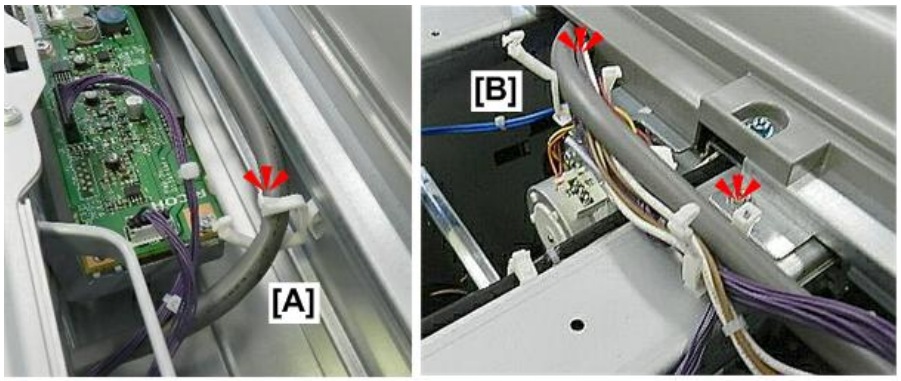


d1792663

9. Disconnect the ADF cables from the left rear corner of the SIOB (x2).

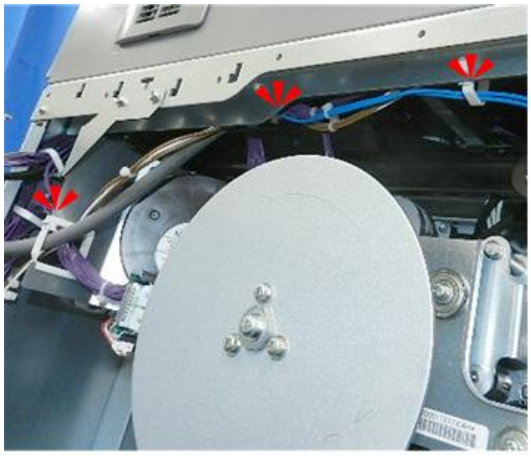
d1792664

10. Above the SIOB, free the ADF harness at [A] and [B] (x3).



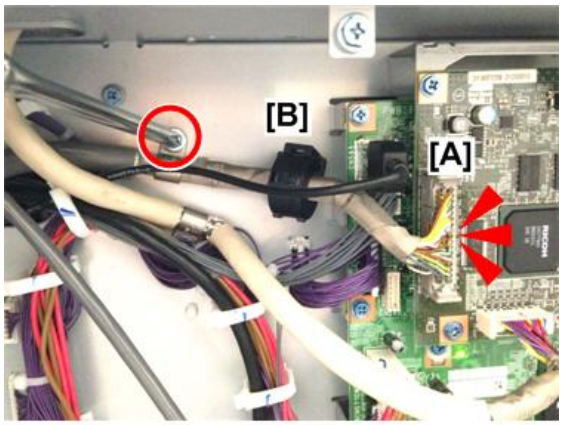
d1792666

11. Free the ADF harnesses under the rear edge of the machine (x3).



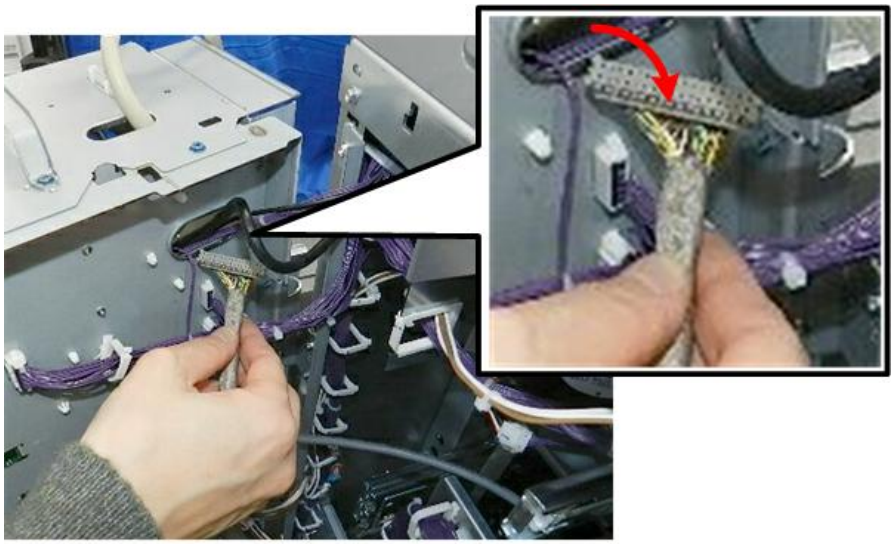
d1792667

12. Disconnect the scanner harness [A] (x1, x1).
13. Remove the ferrite core [B].



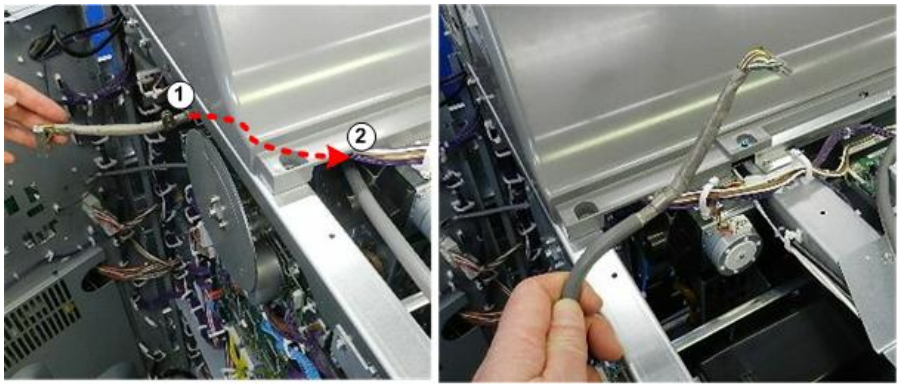
d1792668

14. Pull the ADF harness through the hole and out of the controller box.



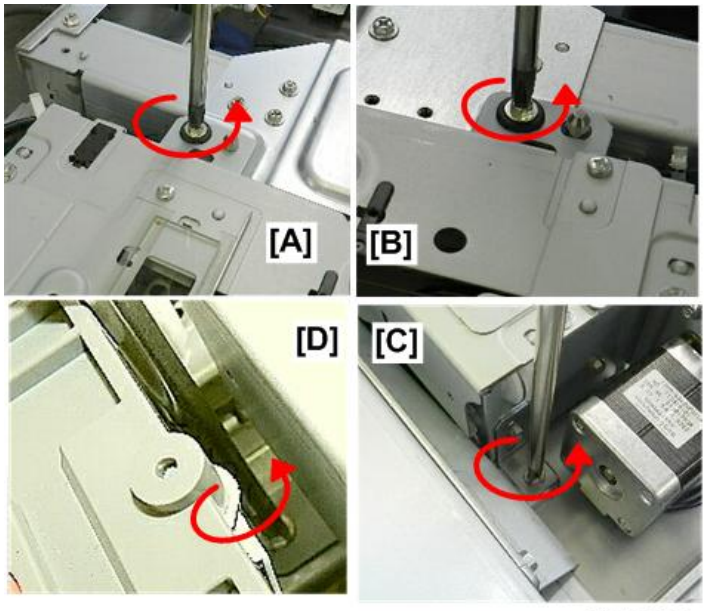
d1792669

15. Push the ADF harness up into the machine ① , and then pull it out ②.



d1792670

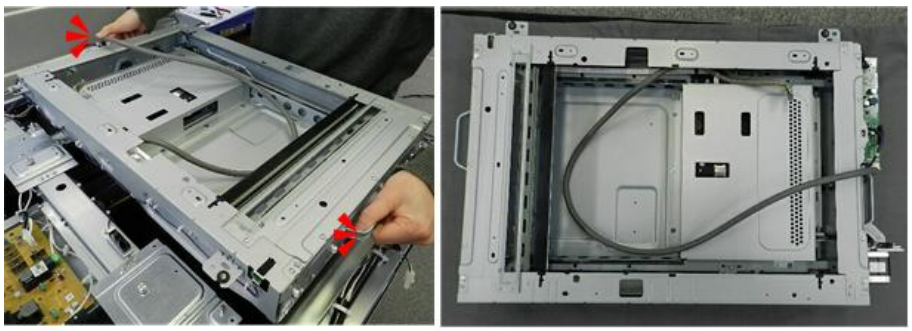
16. Remove the large screw from each corner of the scanner unit [A], [B], [C], [D] (x4).



d1792665

17. Lay the free harness in the center of the scanner unit.

18. Lift the scanner unit by its handles on both sides, pull it out of the machine, and then lay it on a clean flat surface. **Weight**: 8 kg (17.6 lb.).



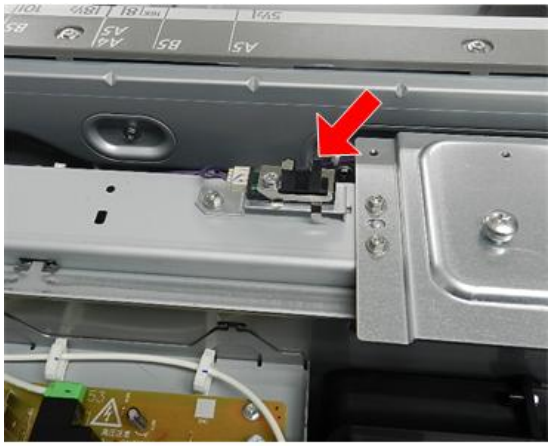
d1792671

ADF Position Sensor

1. Remove the ADF (ADF Removal)
2. Remove the rear flat plate (x5).

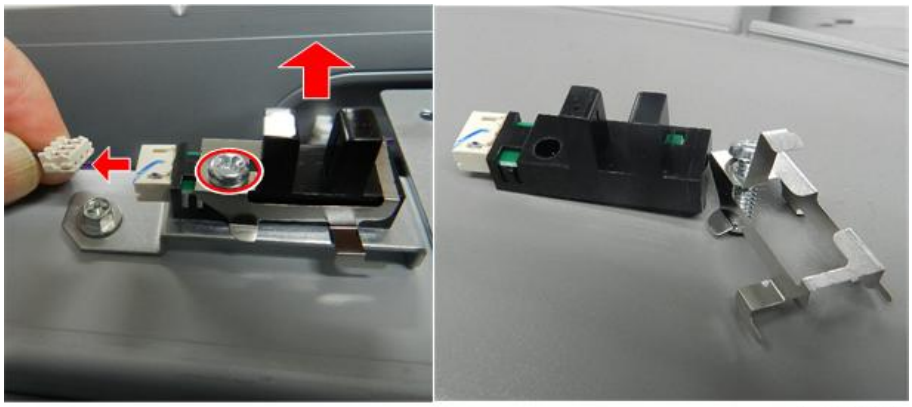
d1792662

3. The sensor is on the rear top rail.



d270b2605

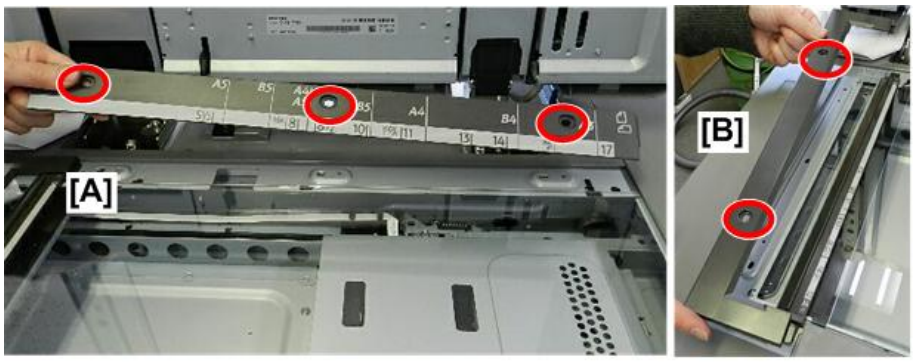
4. Remove the sensor (x1, x1).



d270b2606

Exposure Lamp HP Sensor

1. Remove:
   [A] Rear scale (x3)
   [B] Left cover (x2)

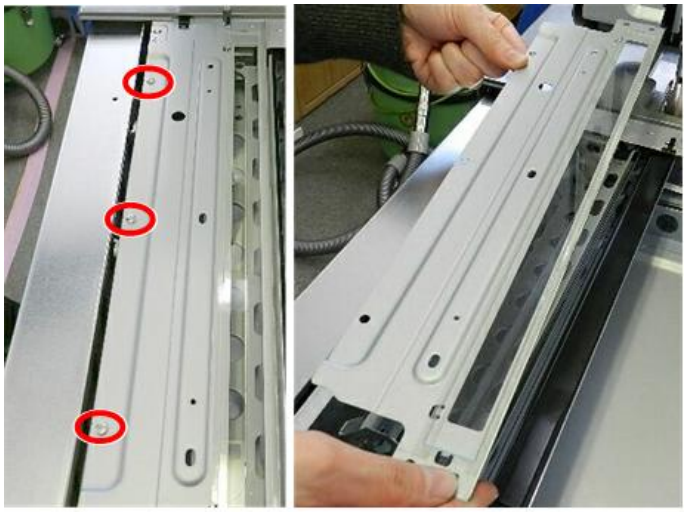


d1792682

2. Remove:
   [A] Exposure glass
   [B] Front "L" cover

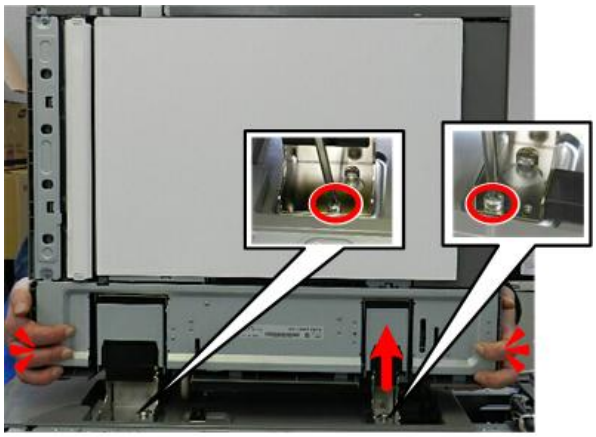
d1792683

3. Remove the left stay (x3).



d1792684

4. Remove the ADF (x2).

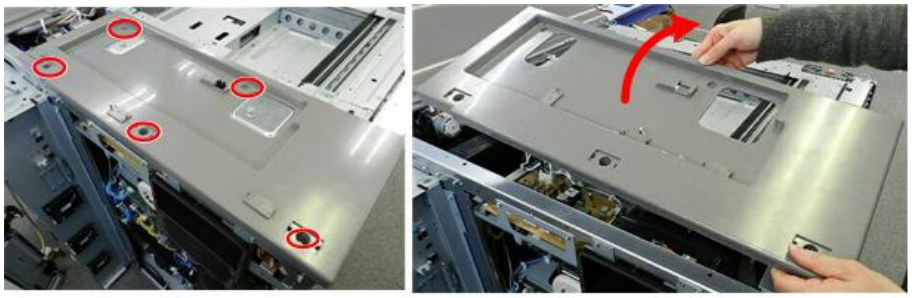


d1792660

5. Lay the ADF on the floor.

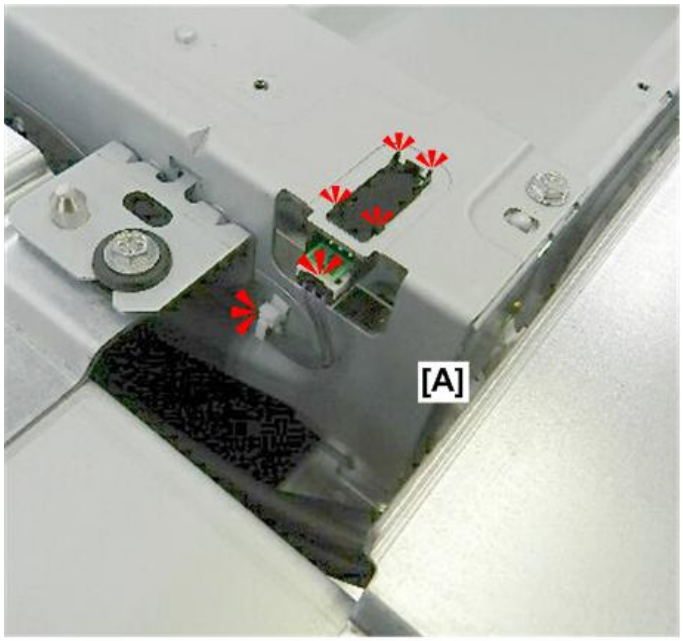
d1792661

6. Remove the rear flat plate (x5).



d1792662

7. Disconnect the sensor [A] (x1, x1, x4).

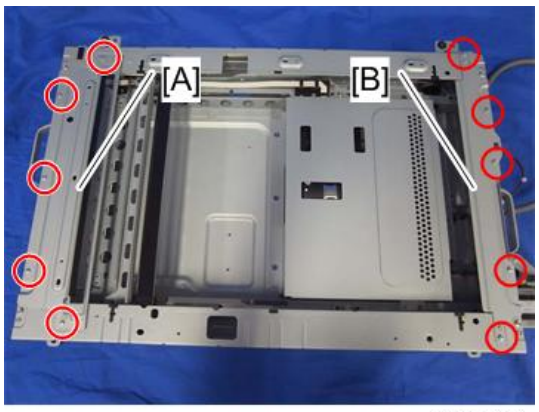


d1792685

Scanner Wire

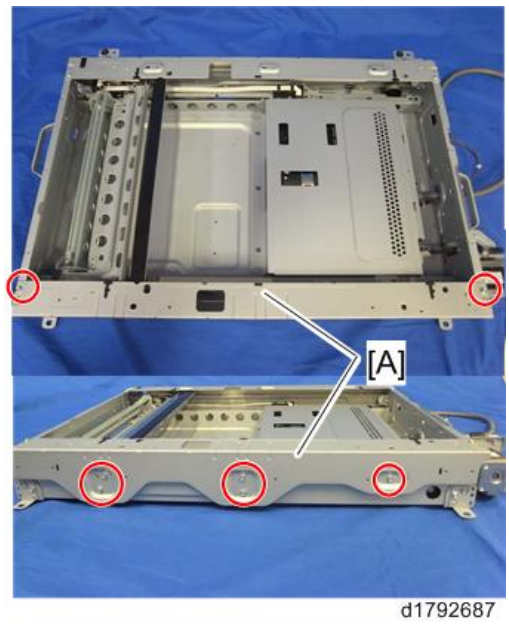
Preparation

1. Remove the scanner unit (Scanner Unit)
2. Remove the left stay [A] and the right stay [B] (x5 each).



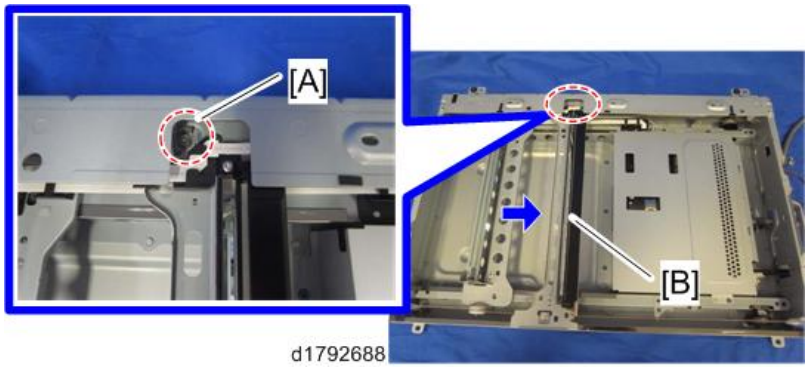
d1792686

3. Disconnect the front frame [A] (x5).

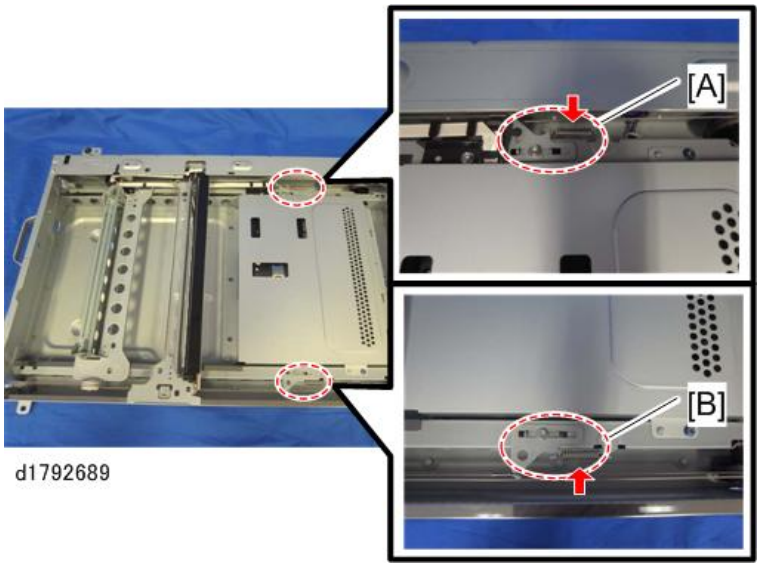


Wire Replacement

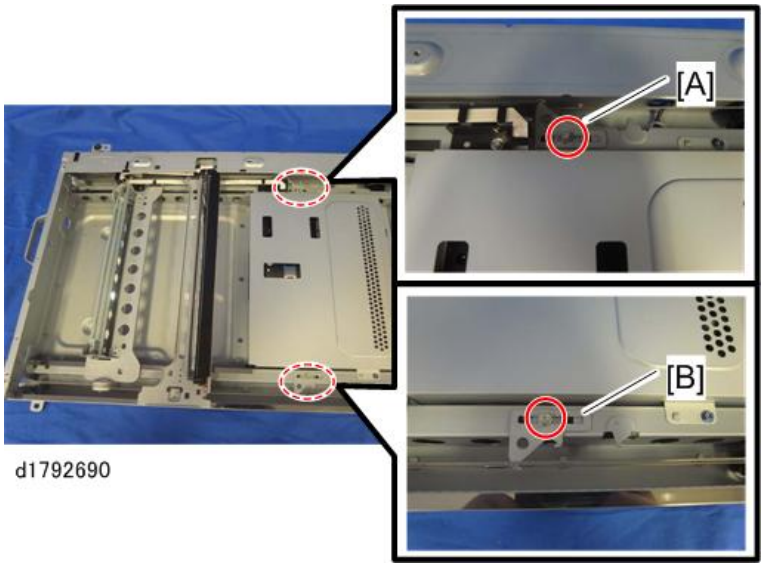
1. Move the 1st carriage so that screw [A] is visible at [B].



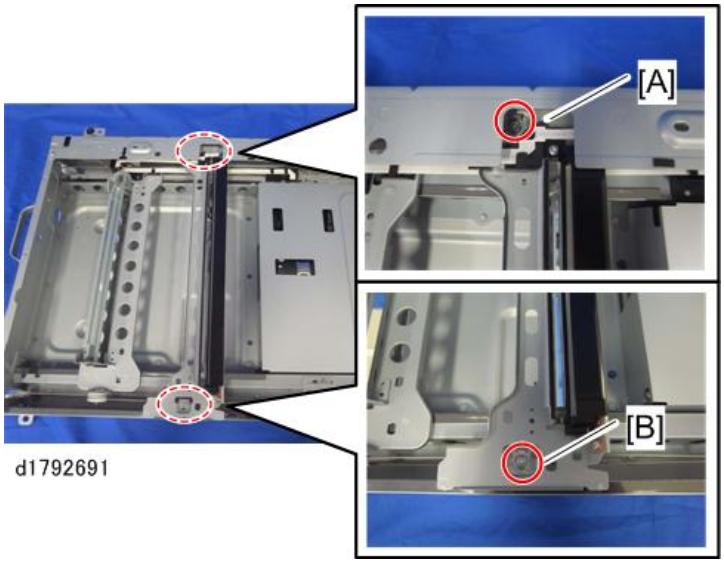
2. Remove front and rear springs [A] and [B] (x2).



3. Loosen tension bracket screws at front [A] and rear [B].

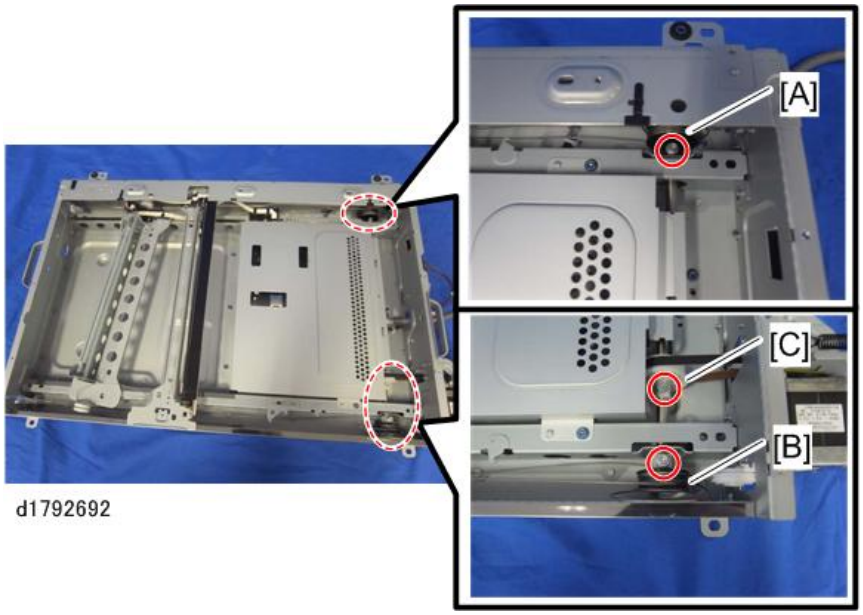


4. Remove rear and front retaining brackets [A] and [B] (x2).



5. Remove the tip of the rear end of the wire (rear and front).

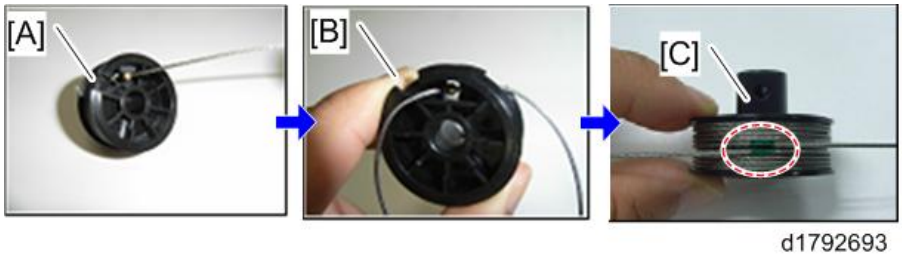
6. Unscrew wire pulleys at rear and front [A] and [B], and then the drive pulley [C].



7. Remove the wire pulleys from the shaft.

Preparation for Re-assembly

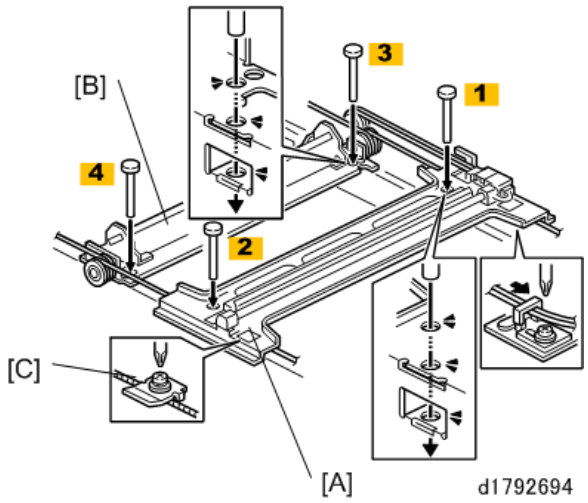
1. Pass the wire from the side of the pulley with no projection [A].
2. Set the beads on the middle of the wire in the groove [B].
3. Attach tape across the pulley to hold the wires [C] in place.



Re-assembly

1. Remove the 1st scanner carriage from the scanner unit.
2. Position the 2nd scanner carriage with the positioning pins (A1849501).
3. Insert the wire pulley through the shaft. Do not tighten the screw of the front side.
4. Turn the wire, and then remove the tape.
5. Set the spring.
6. Tighten the screw of the drive pulley.
7. Remove the positioning pins, and then move the 2nd carriage to fit into the wire.
8. Set the positioning pins again, and then tighten the screws of the front pulley and tension bracket.
9. Position the 1st scanner [A] so that the holes are aligned, and insert the positioning pins [1] and [2].
10. Position the 2nd scanner [B] so that its holes are aligned, and insert the positioning pins [3] and [4].

11. Attach the lock bracket [C] to fasten the wire to the 1st scanner.



12. Tighten the screw of the tension bracket.
13. Attach the pulley and tighten the lock screw.
14. Remove the four positioning pins.
15. Remove the tape from the pulley.
16. Slowly push the scanner left and right to confirm that the wires are engaged correctly. The 1st and 2nd scanners should move smoothly.

Laser Unit

Before You Begin

⚠WARNING

- Laser beams can seriously damage the eyes and cause permanent blindness.
- Make sure that the machine switched off and unplugged from the power source before performing any procedure in this section.
- Turn off the power switch on the left front corner of the machine. A message will prompt you to wait before you switch on the main switch.
- After the message goes off, switch off the main power switch.
- Unplug the machine and wait at least 10 min. before performing any procedure.

⚠CAUTION

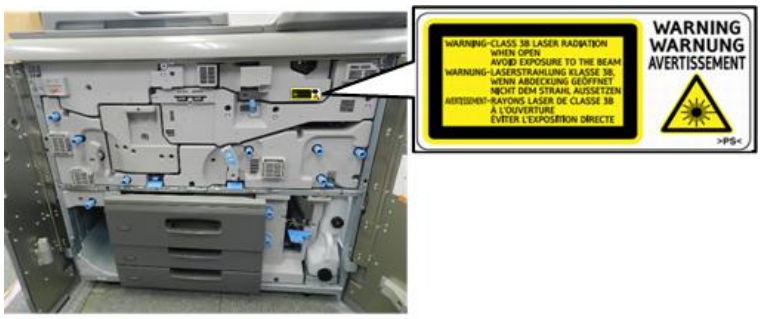
- An accidental static discharge could damage the laser diode board attached to the lens block unit. Touch a metal surface to discharge any static electricity from your hands.

Caution Decals

Top of the Laser Unit

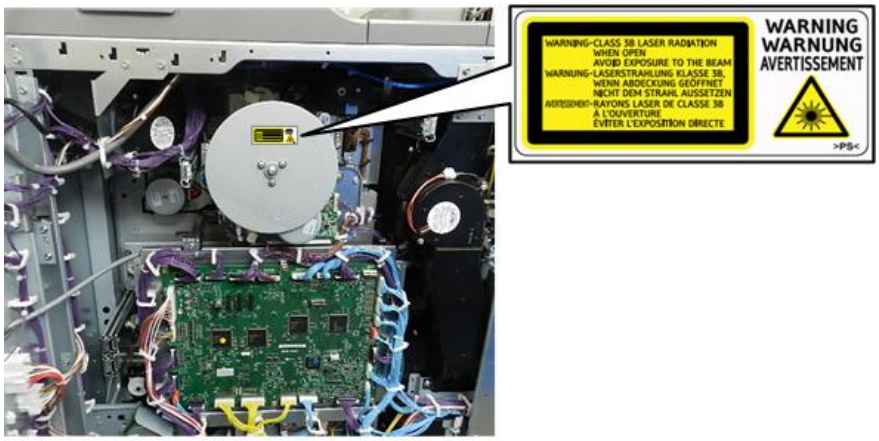
d270b1005

PCDU Cover



d270b1008

Flywheel



d270b1009

Laser Unit

To remove the laser unit, do the procedures in the order described below.

1. Remove the Canopy Cover
2. Remove the Toner Bank Cover
3. Remove the Toner Bank Cradles
4. Remove the Laser Unit

Remove the Canopy Cover

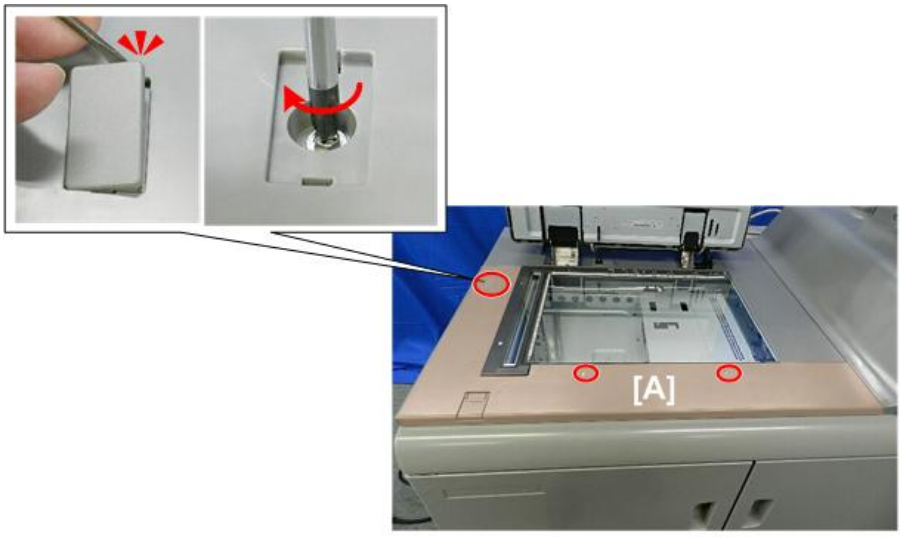
The beginning of this procedure is different for the copier model and printer model.

- With the copier model, you must first remove the edge covers around the exposure glass.
- The printer model requires the removal of the top cover and edge covers.

Copier Model

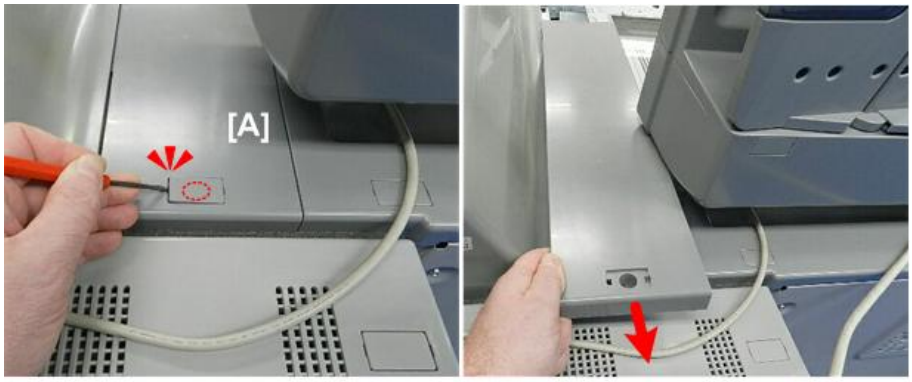
1. Raise the ADF.

2. Remove the scanner "L" cover [A] (cap x1, x1, x2).



d1792701

3. At the rear, remove the exposure glass right cover [A] (cap x1, x1).



d1792702

4. Cover the exposure glass to protect it.

d1792703

Printer Model

Follow this procedure to remove the top cover of the printer model.

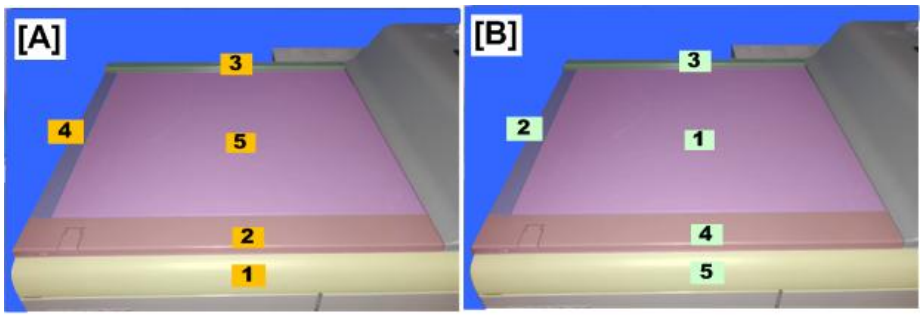
1. The covers are removed in order:

[A]	Removal Order	[B]	Re-installation Order
1	Front frame cover (x3)	**1**	Top cover (x9)

[A]	Removal Order	[B]	Re-installation Order
2	Front edge cover (x3)	**2**	Left edge cover (x2)
3	Rear edge cover (x3)	**3**	Rear edge cover (x3)
4	Left edge cover (x2)	**4**	Front edge cover (x3)
5	Top cover (x9)	**5**	Front frame cover (x3)

Important

- Remove them in order [A], and then be sure to re-install them in the reverse order [B]

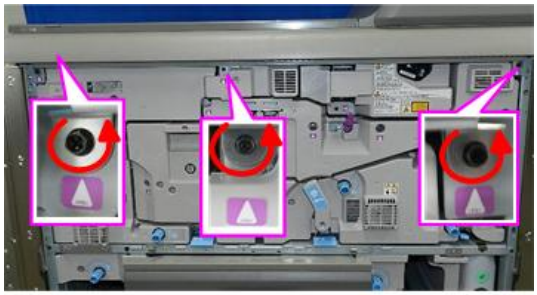


m263b0001

2. Open the front doors.

m263b0002

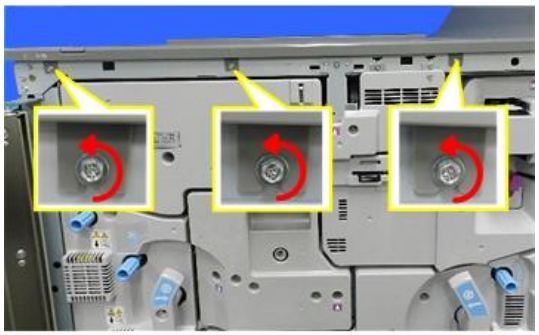
3. Disconnect the front frame cover (x3).



m263b0003

4. Remove the front frame cover.

5. Disconnect the front edge cover (x3).

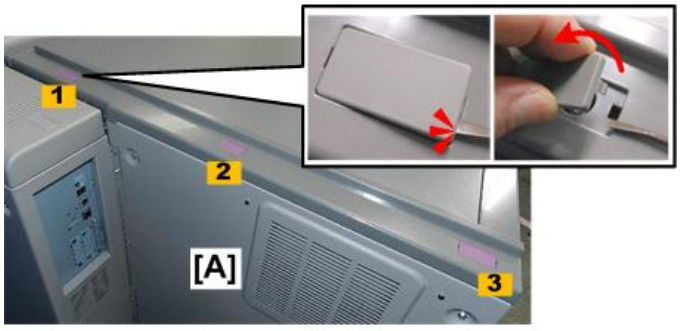


m263b0005

6. Remove the front edge cover.

m263b0006

7. At the back of the machine [A], use the tip of a small driver to remove the three screw covers of the rear edge cover.



m263b0007

8. Disconnect the rear edge cover (x3).

m263b0008

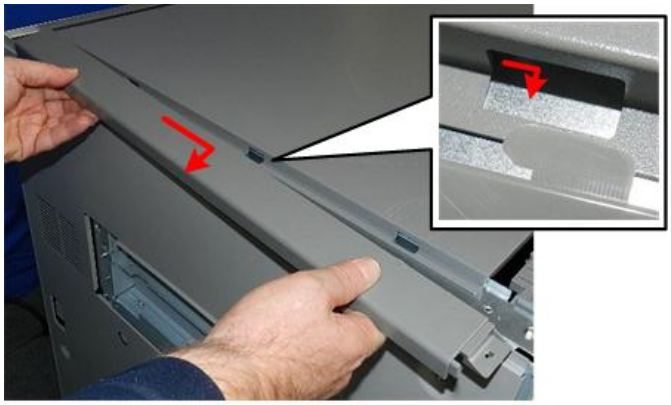
9. Slide the cover slightly to the right to unhook it, and then remove it.

m263b0009

10. Disconnect the left edge cover (x2).

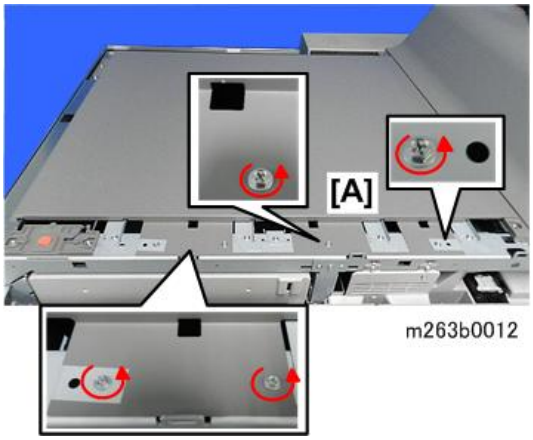
m263b0010

11. Slide the cover slightly to the right to unhook it, and then remove it.



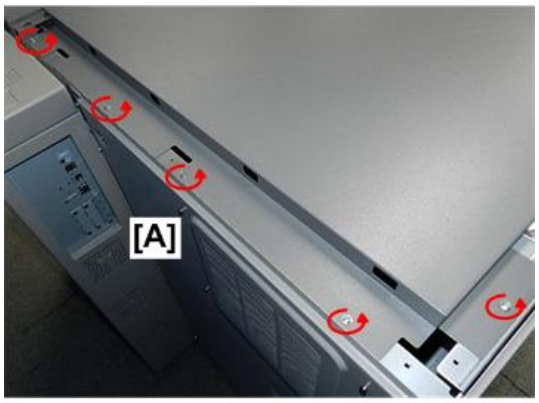
m263b0011

12. At the front of the machine [A], disconnect the front edge of the top cover (x4).



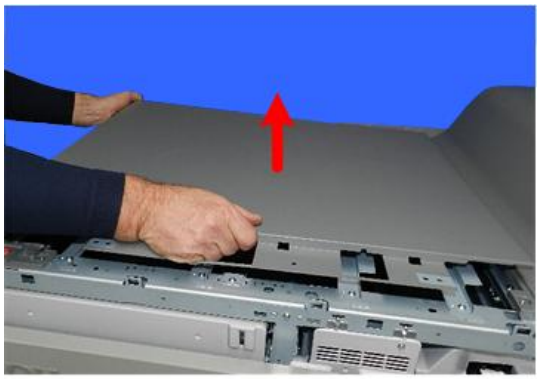
m263b0012

13. At the back of the machine [A], disconnect the rear edge and corner of the top cover (x5).



m263b0013

14. Remove the top cover.



m263b0014

15. Spread a drop cloth over the open top of the machine to prevent screws, tools, or other objects from falling

into the machine.

m263b0016

16. This completes removal of the top and edge covers.

Canopy Cover Removal: Continued

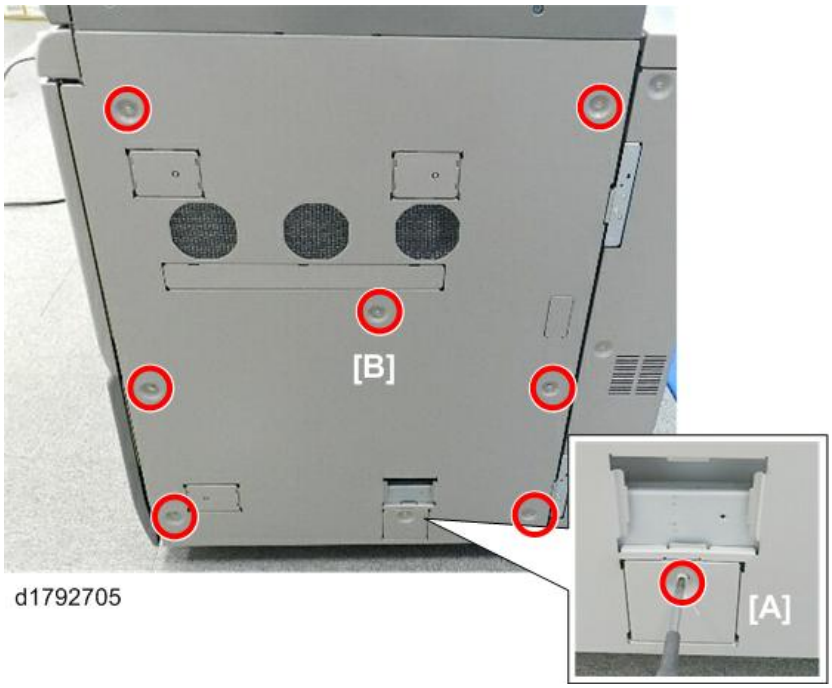
The remaining procedures are the same for both the copier model and the printer model.

1. Disconnect the attention light base [A] (x3).
2. Disconnect the bottom of the attention light [B] and remove the light (x2, x1).

d1792704

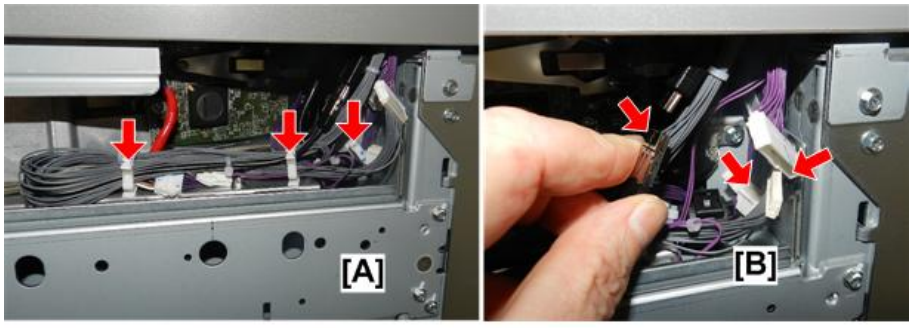
3. On the right side, remove the LCIT heater connector cover plate [A] (x1).

4. Disconnect the right cover [B] (x7).

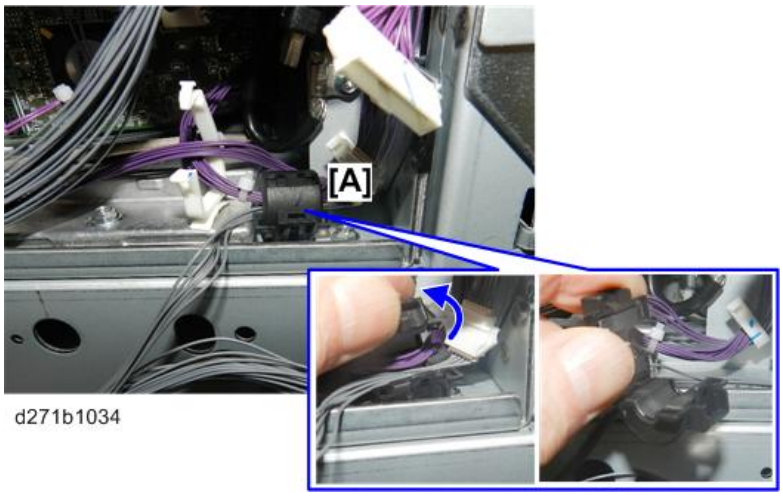


5. Lift the cover base [A] and pull the right cover away from the machine.

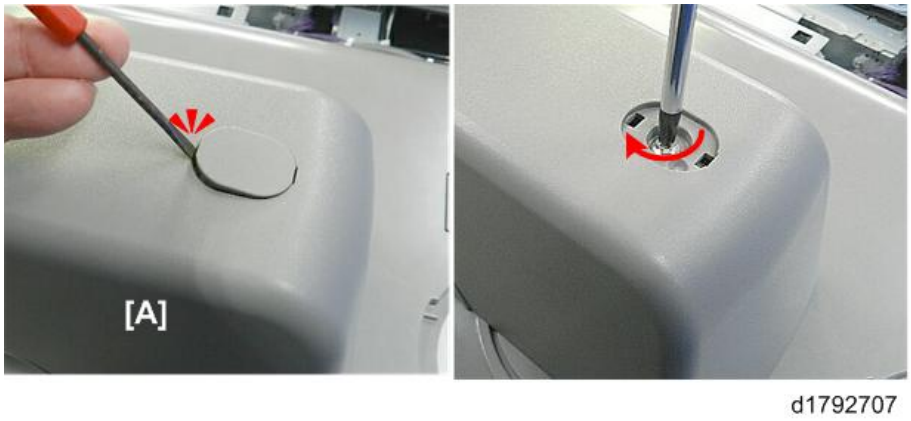
6. At the right rear corner [A], open the harness clamps and then free the harnesses (x3).
7. Disconnect the harnesses [B] (x3).



8. Open the ferrite core, and then remove it.



9. Disconnect the top of the operation panel arm cover [A] (cap x1, x1).

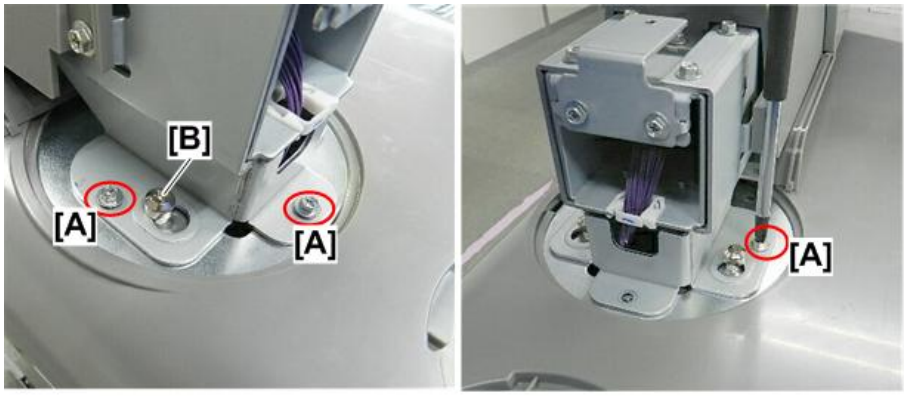


10. Disconnect the side of the operation panel arm cover [A] and then remove it (x1).

11. Disconnect the metal base [A] of the operation panel (x3).

Important

- Do not loosen the shoulder screws [B].

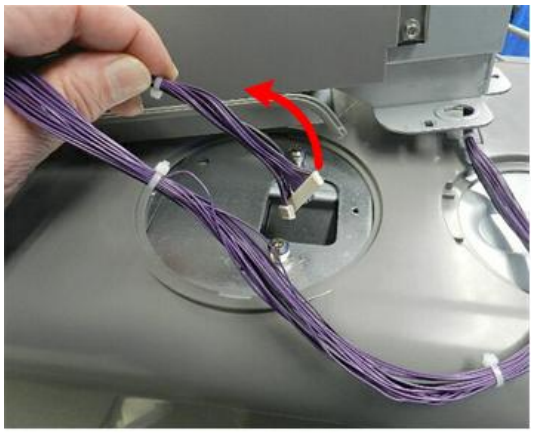


d1792709

12. Push the end of the operation panel arm [A] toward the front of the machine.
13. Remove the base of the arm from the anchor screws [B], and then lay the base down next to the anchor screws.

d1792711

14. Slowly pull the harnesses through the hole.



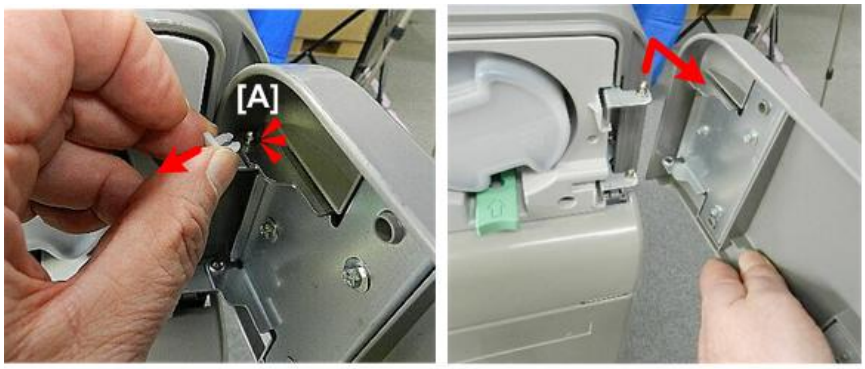
d1792712

15. Pick the operation panel up, and then lay it down on a flat clean surface.

16. Open the toner bank door.

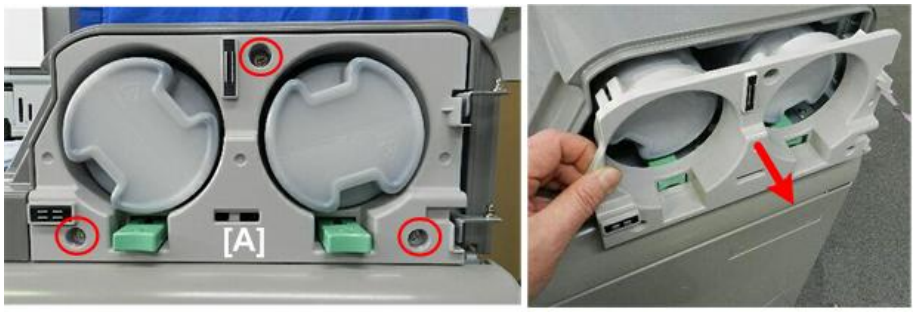
d1792713

17. Pull off the clip and remove the toner bank door [A] (x1).



d1792714

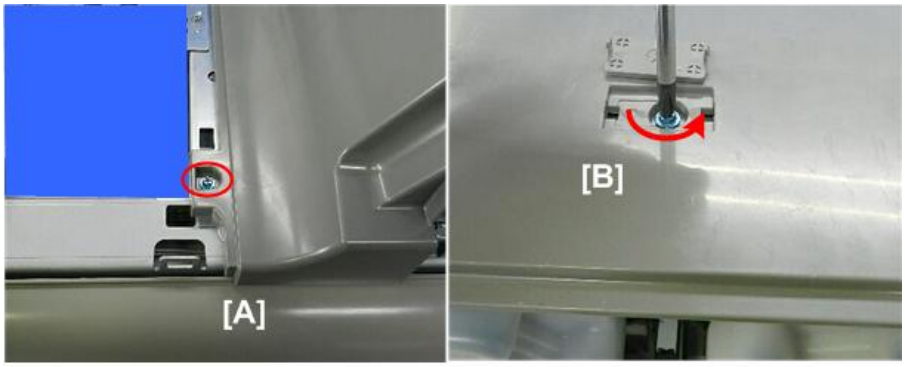
18. Remove the toner bank front cover [A] (x3).



d1792715

19. Disconnect the front left corner of the canopy [A] (x1).

20. Disconnect the top front of the canopy [B] (cap x1, x1).



d1792716

21. Disconnect the right side of the canopy (x2).

d1792717

22. At the rear [A], remove the filter bracket and filter from the back of the canopy (x1).

Note

- Note the position of the notch on the edge of the filter. It must be re-installed in the same way.

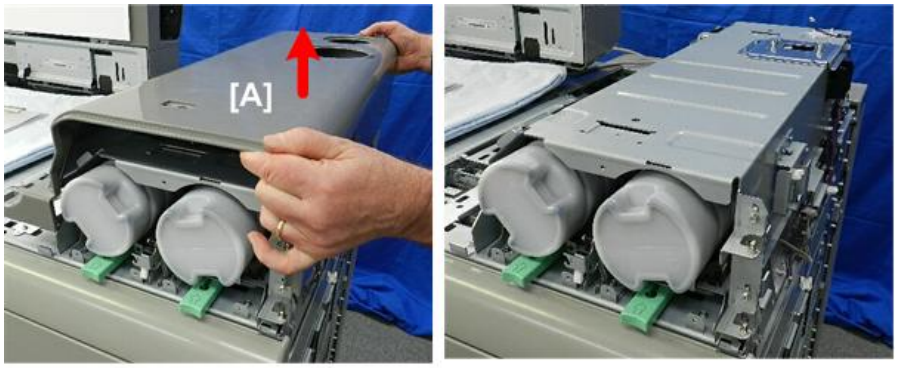
d1792718

23. At the rear, disconnect the top of the canopy [A] (x1).

24. Disconnect the left rear corner of the canopy [B] (x2).

d1792719

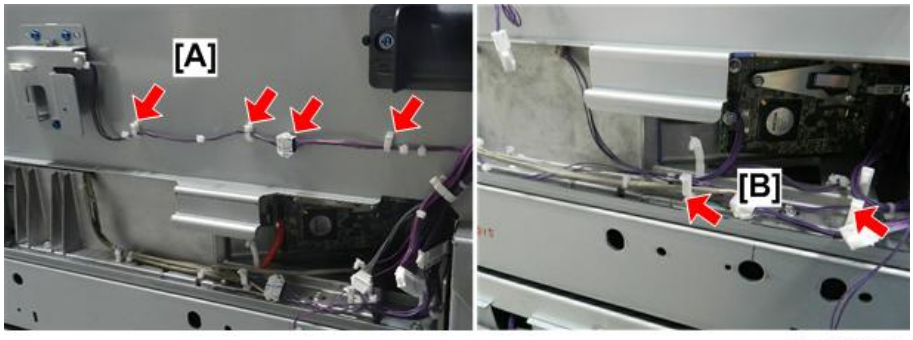
25. Remove the canopy [A].



d1792720

Remove the Toner Bank Cover

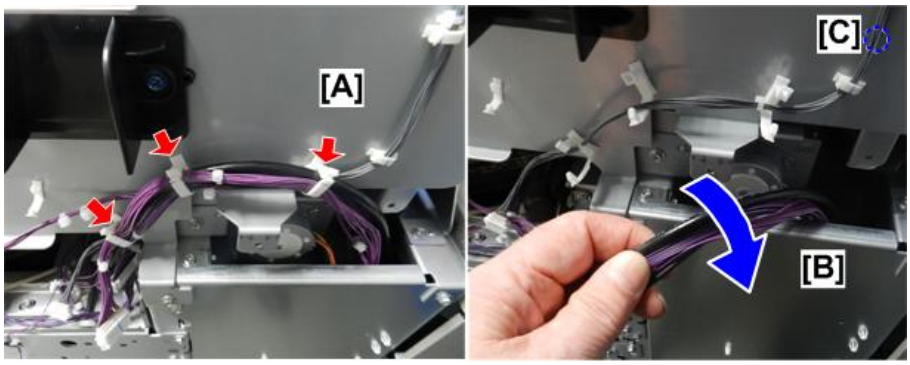
1. Disconnect the harness on the right side of the toner bank cover [A] (x1, x3).
2. Make sure that the harness clamps at [B] are open (x2).



d270b2721

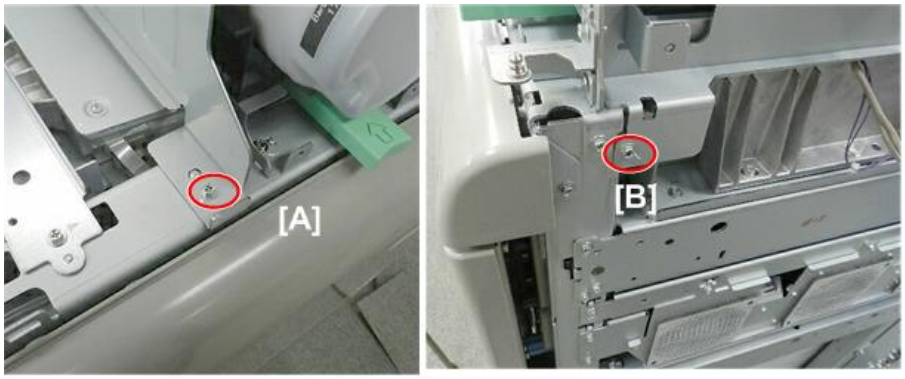
3. At the right rear corner, open the clamps [A] and pull the harnesses [B] away from the side of the cover (x3)

4. Do not pull the harness [C] away from the side of the bank cover.



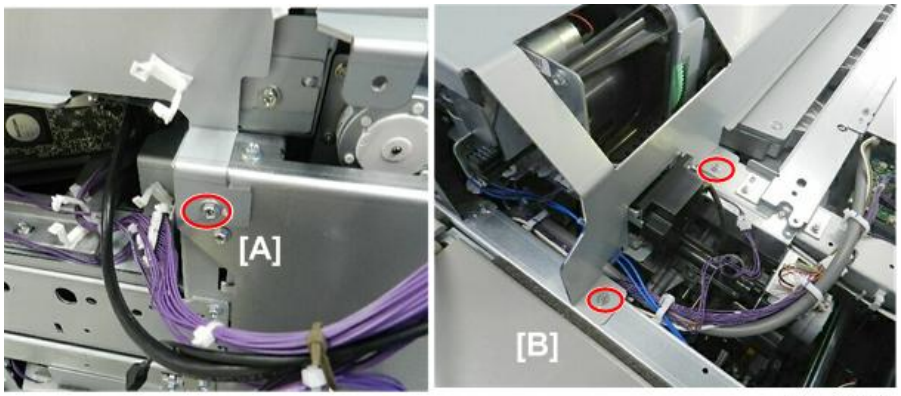
d270b2722

5. Disconnect the left front corner [A] and the right front corner [B] of the toner bank cover (x2).



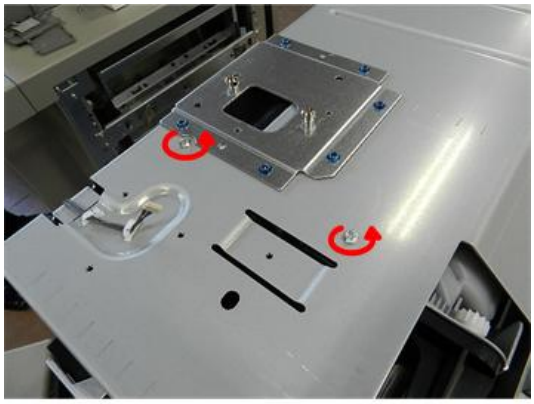
d1792723

6. Disconnect the right rear cover [A] of the toner bank cover (x1).
7. Disconnect the left rear cover [B] of the cover (x2).



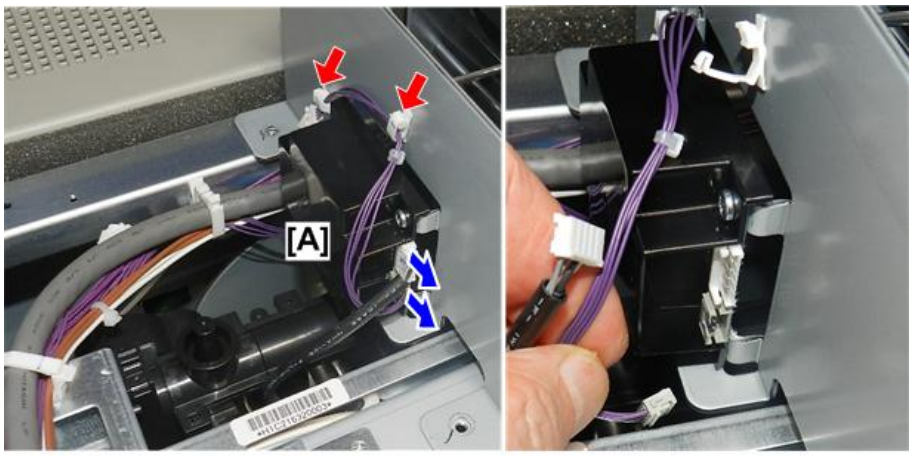
d1792724

8. Disconnect the top of the toner bank cover (x2).



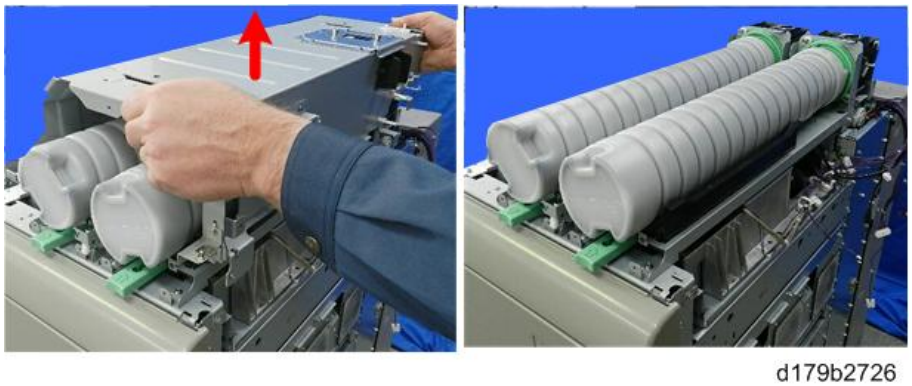
m263b3016

9. At the left rear corner of the toner bank cover [A] (viewed from the front), disconnect harnesses (x2, x2).



d270b2725

10. Remove the toner bank cover.

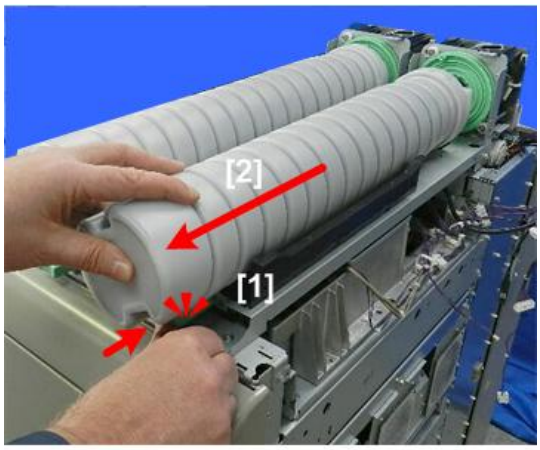


d179b2726

Remove the Toner Bottle Cradles

1. Remove the toner bottles.

2. Press in the bottle release lever [1] of the toner bottle, and then remove the bottle [2].

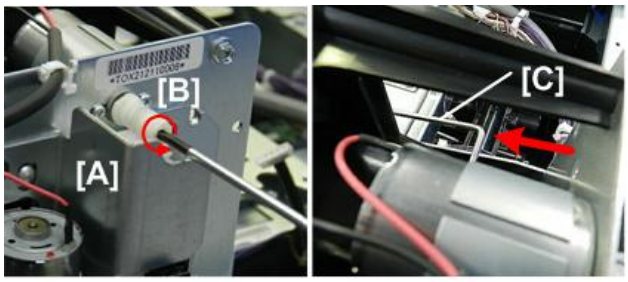


d179b2727

Important

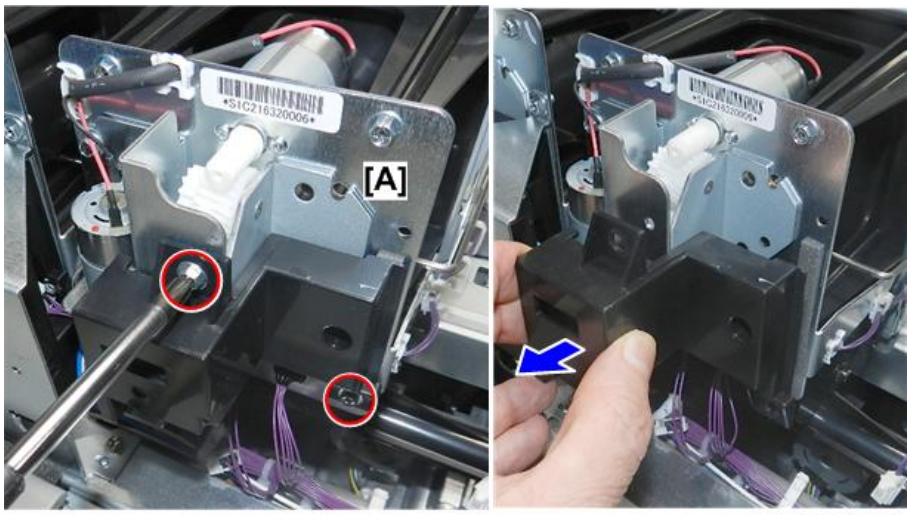
- If either bottle is locked and cannot be released by pressing the lever, do the following steps to unlock the bottle.

3. At the back of the machine [A], insert a small screwdriver into the worm gear shaft [B] of the bottle cap motor of the toner bottle.
4. Turn the screwdriver counter-clockwise until the arm [C] moves forward.



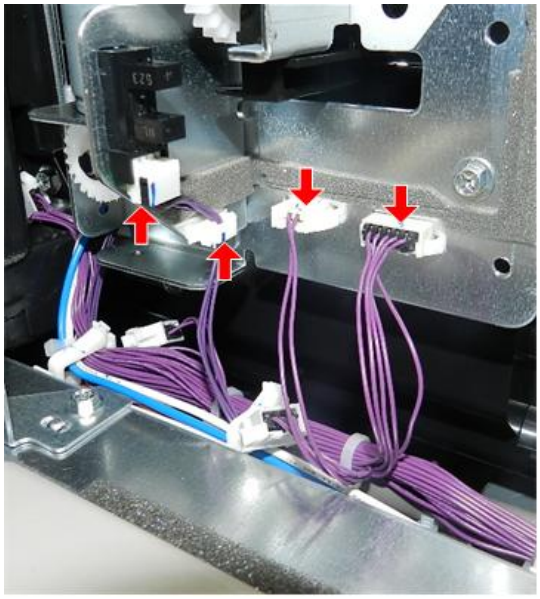
d1792728

5. Remove the cap from the rear end of the left toner bottle cradle [A] (x2).



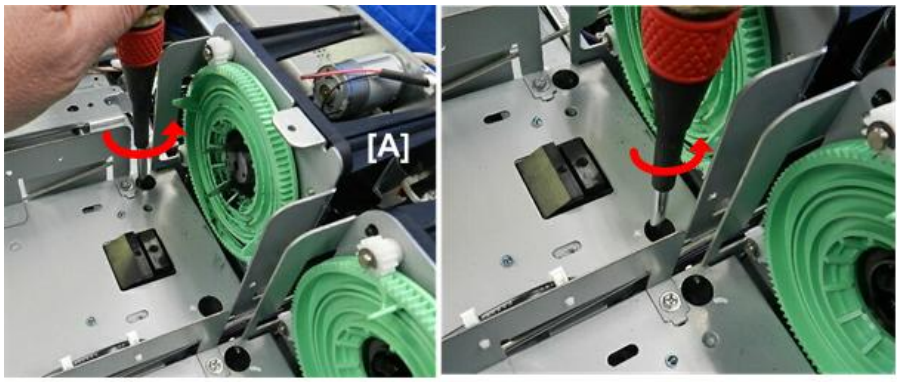
d270b2730

6. Disconnect the left toner bottle cradle (x3, x1).



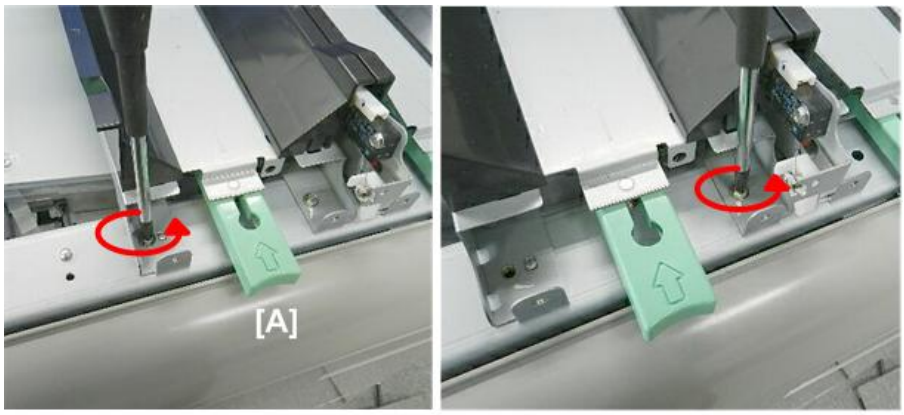
d270b2731

7. Disconnect the back of the left toner bottle cradle [A] (x2).



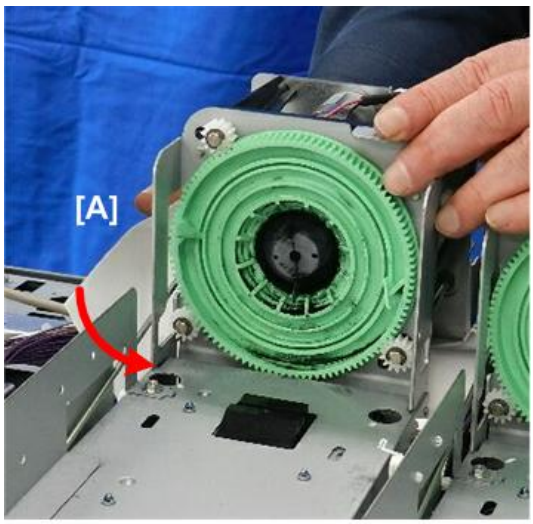
d1792731

8. Disconnect the front of the left toner bottle cradle [A] (x2).



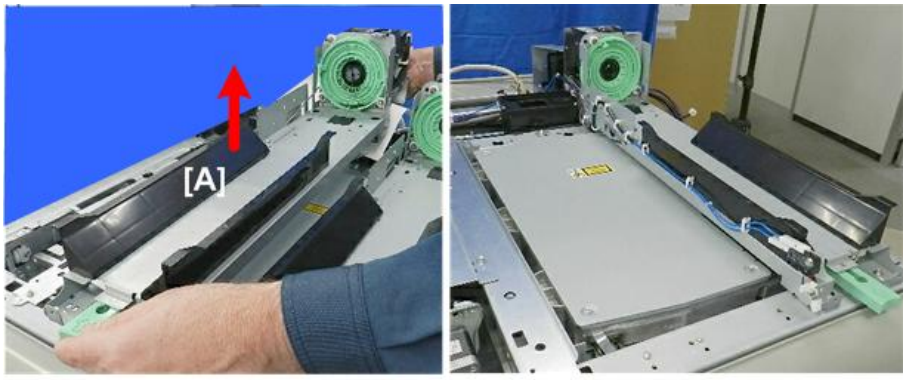
d1792732

9. Slide a sheet of paper under the back of the left toner bottle cradle [A].



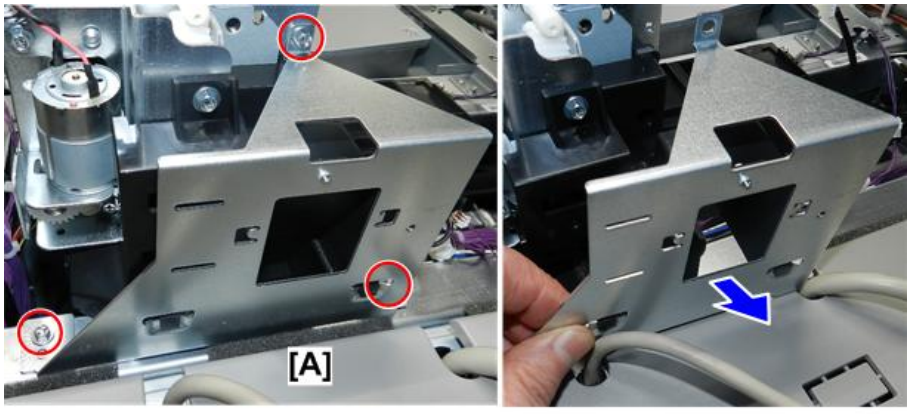
d1792733

10. While holding the paper under the rear end of the cradle, remove the left toner bottle cradle [A].



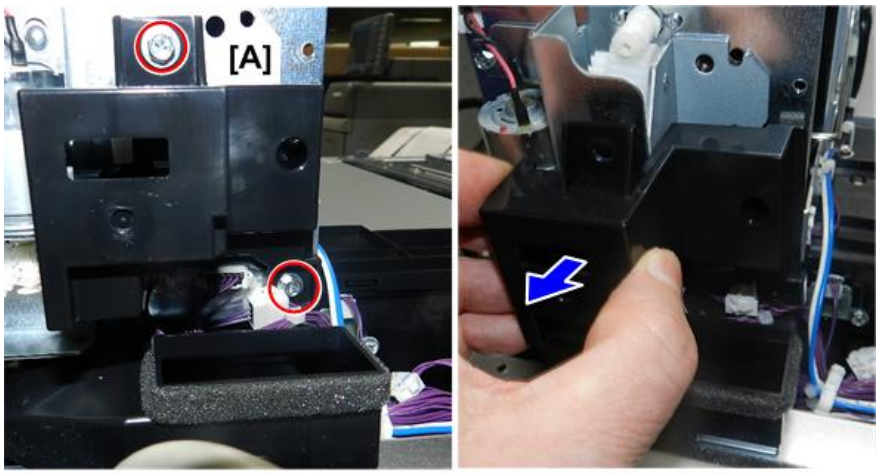
d179b2734

11. Remove the bracket [A] from the back of the right toner bottle cradle (x3).



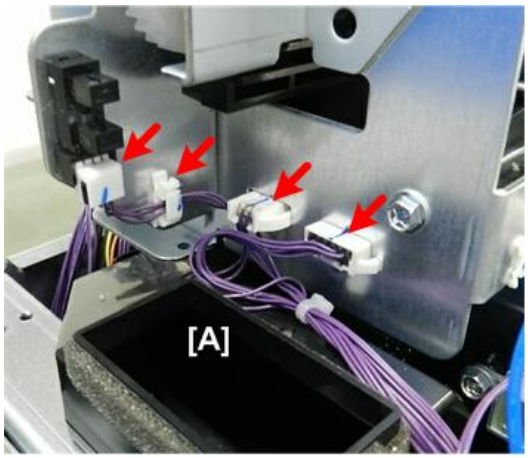
d270b2735

12. Remove the cap from the rear end of the right toner bottle cradle [A] (x2).



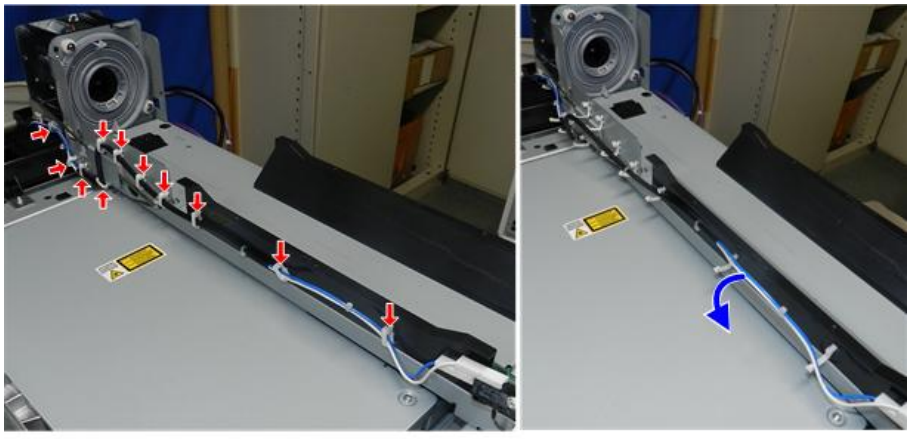
d270b2736

13. Disconnect the back of the right toner bottle cradle [A] (x1, x3).



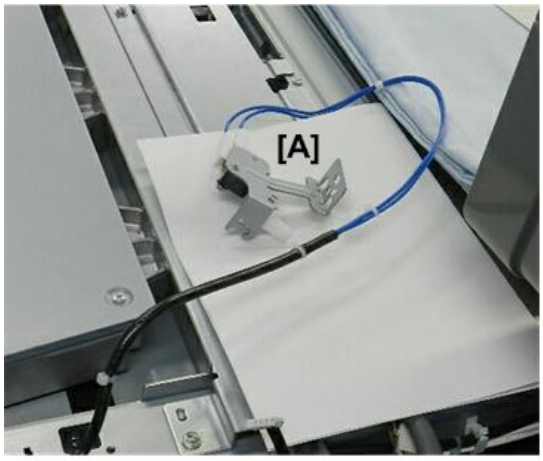
d1792736

14. Disconnect the switch harness from the left side of the cradle [A] (x11).



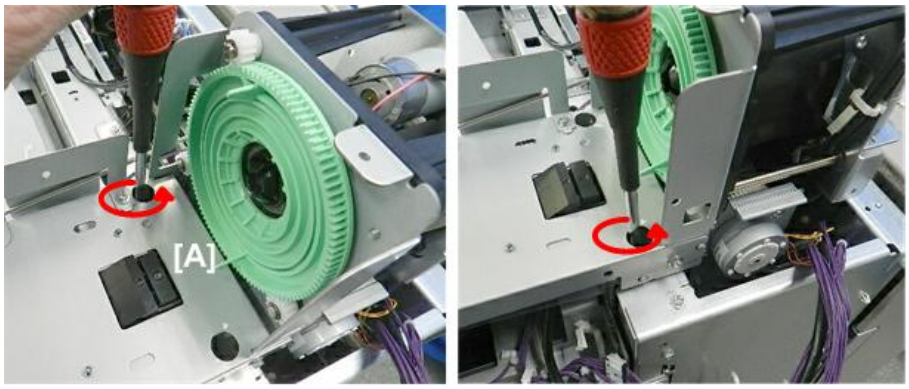
d270b2738

15. Pull the disconnected switch harness [A] to the rear.



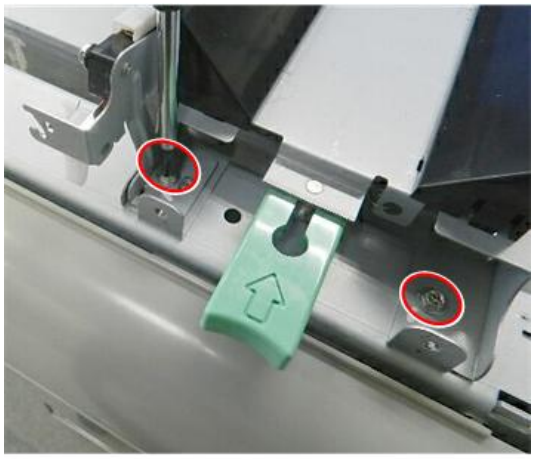
d1792738

16. Disconnect the back of the right cradle [A] (x2).



d1792739

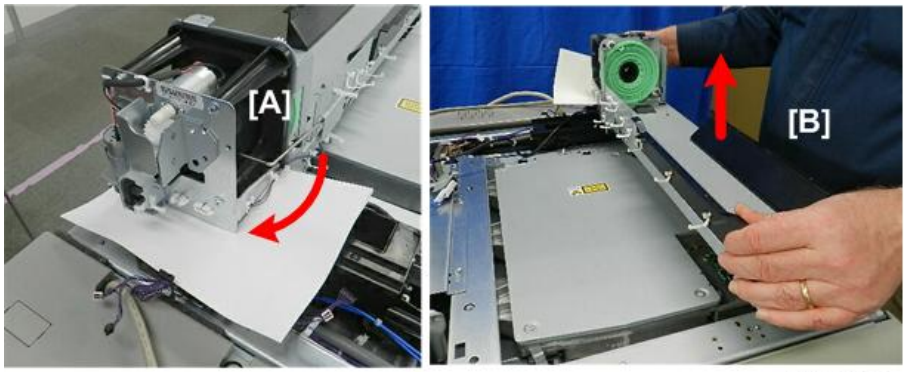
17. Disconnect the front of the right cradle (x2).



d1792758

18. Slide a sheet of paper under the back of the right toner bottle cradle [A].

19. While holding the paper under the rear end of the cradle, remove the right toner bottle cradle [B].



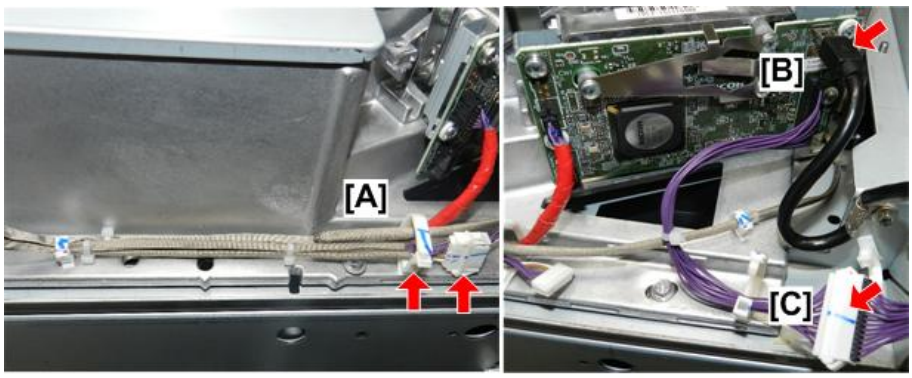
d1792740

Remove the Laser Unit

1. Disconnect the harness along the right side of the laser unit [A] and remove the screw (x1, x1, x1)
2. Disconnect the USB cable at [B] and the flat cable harness at [C] (x2).

Important

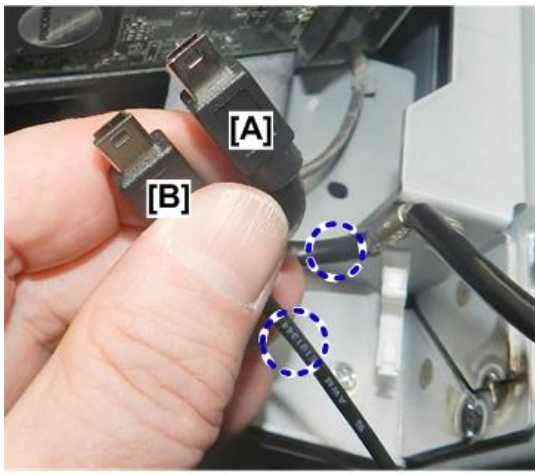
- To avoid damage to the connector or board, disconnect the flat cable harness at [C]. Do not disconnect it directly from the board at [B].



d270b2741

Important

- Note that the harness of the USB cable [A] that you have just disconnected from the PCB is much thicker than the USB cable [B] of the operation panel that you disconnected earlier.
- The D-connectors of these harnesses are the same. Be sure to re-connect the USB connector with the thick cable to the PCB.
- If you reverse the connections of these cables, when you turn the machine on, the machine will display "Please Wait" and then freeze (the machine will not boot.)

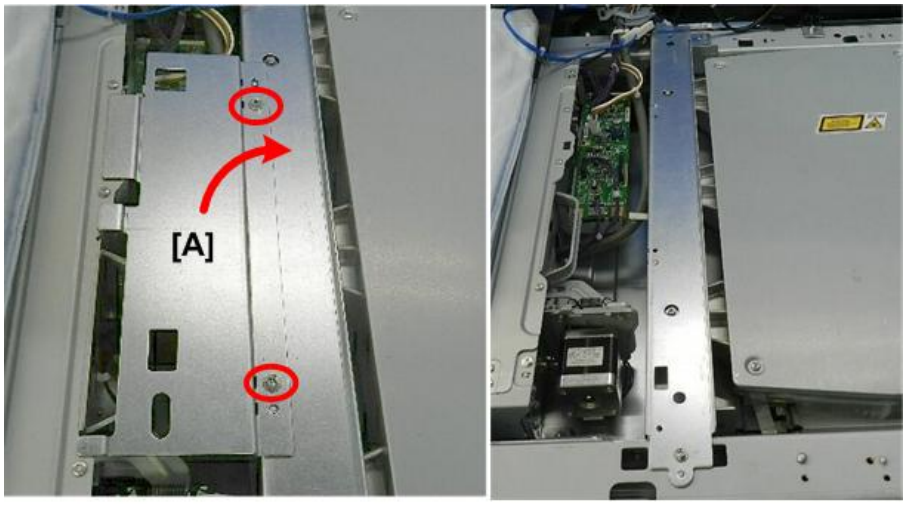


d270b2748

3. For the copier model, remove the shield plate [A] (x2).

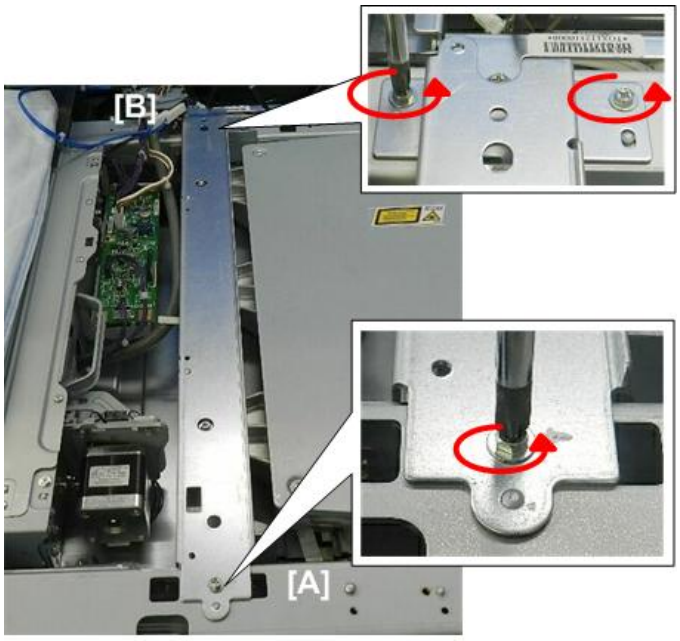
Note

- This step is required for the copier model only. The printer model has no shield plate.



d270b2742

4. Disconnect the brace at the front [A] and rear [B] (x3).

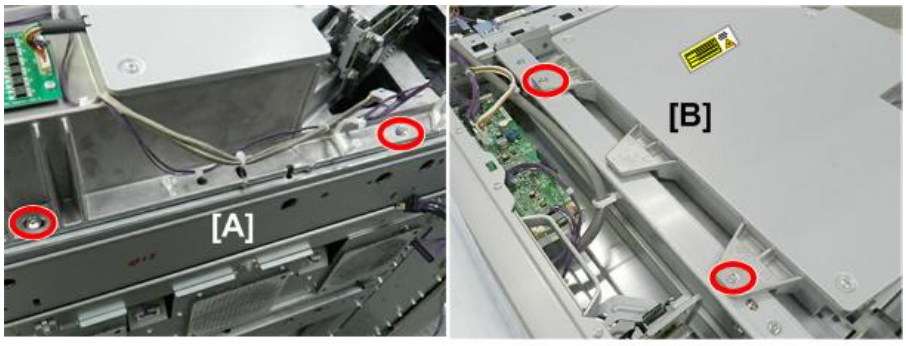


d270b2743

5. Remove the brace [A] to expose the laser unit [B].

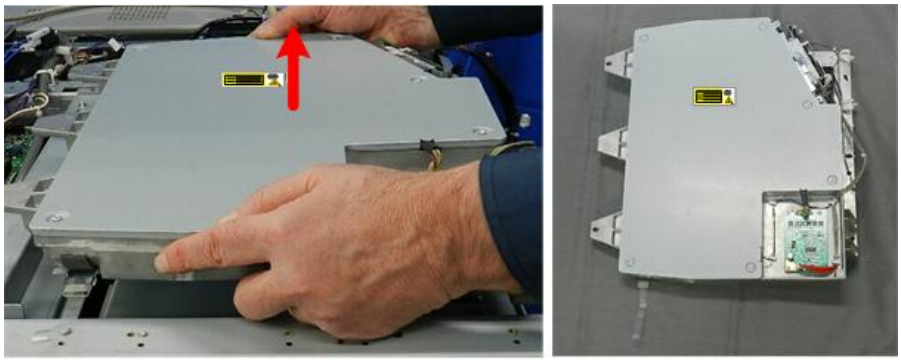
d270b2744

6. Disconnect the laser unit on the right [A] and the left [B] (x4).



d270b2746

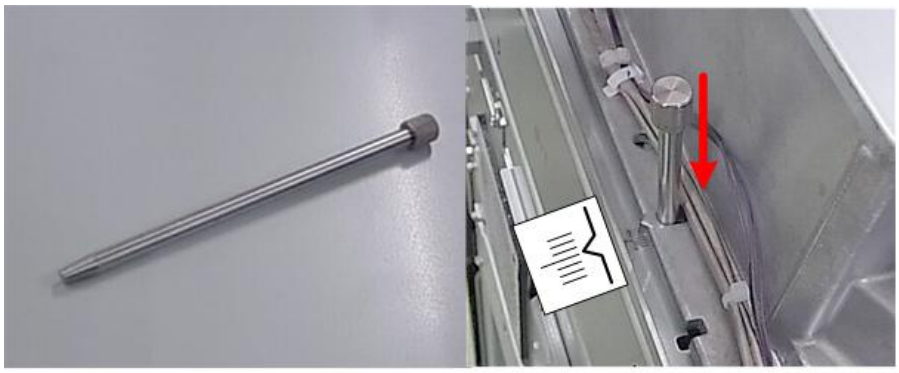
7. Lift the laser unit and lay it on a flat clean surface.



d270b2747

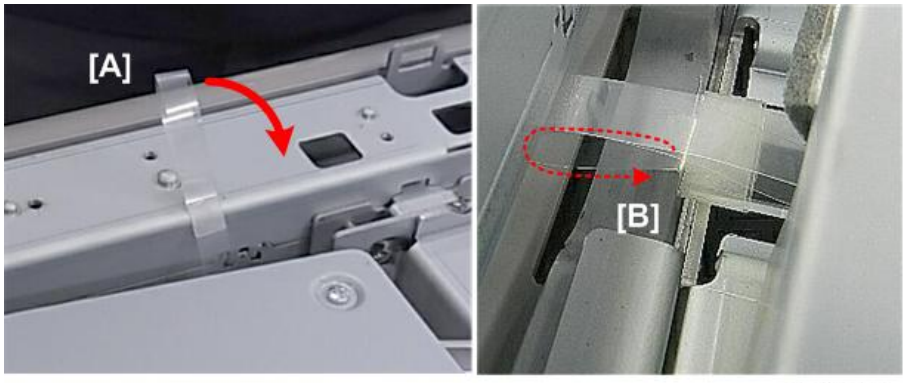
Laser Unit Re-installation

1. Insert the positioning pin (scanner wire jig) into the hole by the scale to position the unit correctly at the longest vertical mark on the scale.



d1792748

2. At the front of the laser unit [A], fold the plastic strip [B] under itself so that it can be pulled easily out of the machine from the front. (This strip is attached to the toner shield glass which must be removed for cleaning.)



d1792749

Important

- After the laser unit is replaced, SP2108-001 must be executed for the new laser unit.
- This SP downloads the operation parameters for the laser unit (main scan registration, main scan magnification, shading, and bow skew adjustment).

After Laser Unit Replacement

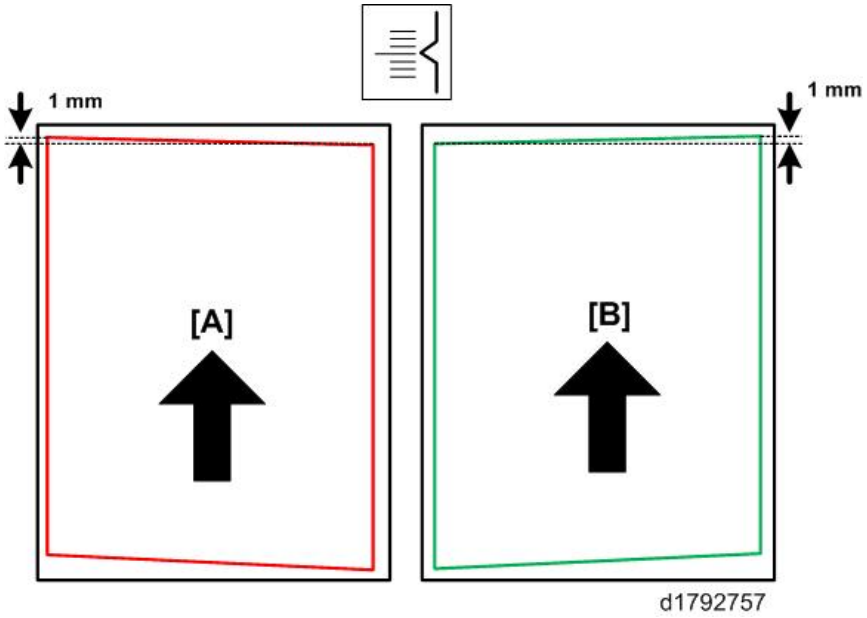
1. Plug in the power cord, and then turn the machine on.
2. Enter the SP mode.
3. Do SP2108-001 to download the operation parameters for the laser unit.

   Important

   - Do not open the doors or switch the machine off while the machine is downloading the parameters.
   - If the machines returns an SC code or displays “Failure”, cycle the machine off/on then execute SP2108-001 again.
4. Test for skew and magnification problems, and then correct them if necessary. (See the “Troubleshooting” section.)
5. Do **SP2170-001** and select the number to print the Trimming Pattern.
6. Check the borders on the sheet and check if the pattern is perfectly square.
7. If the pattern is down on the right edge [A], the laser unit should be rotated **counter-clockwise** one notch.

   -or-

   If the pattern is up on the right edge [B], the laser unit should be rotated **clockwise** one notch.



8. Disassemble the machine again as far as the start of laser unit removal.
9. Loosen the screws of the laser unit, and then rotate it the number of notches necessary for the adjustment.

LD Safety Switches

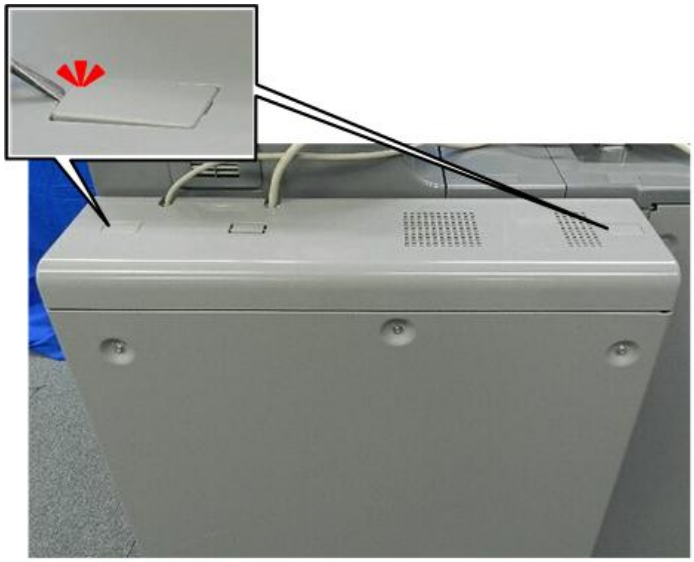
For copier models, first remove the scanner unit. See below

-or-

For printer models, first remove the printer top cover. See below.

Remove the Scanner Unit (Copier Models)

1. Remove the two caps.



d1792214

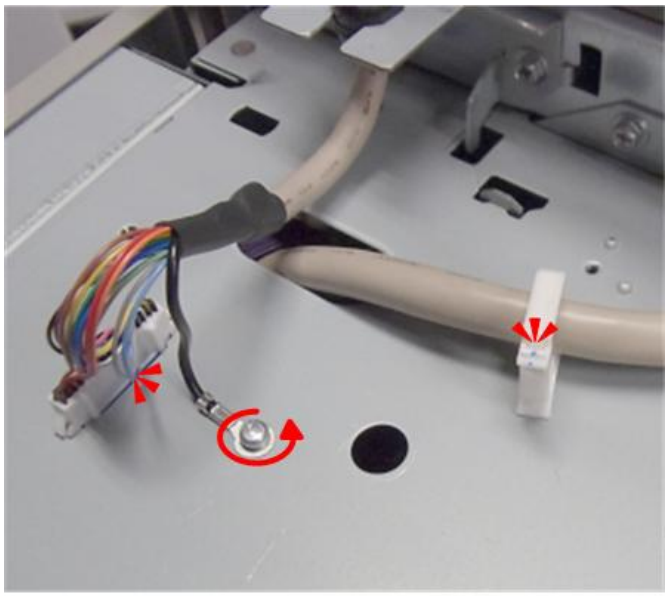
2. Disconnect the top cover (x2).

d1792215

3. Remove the top cover.

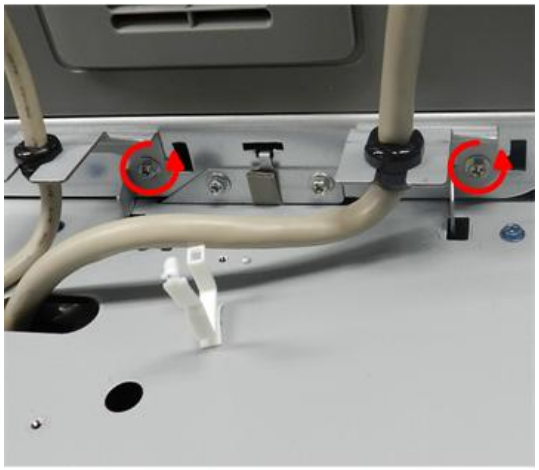
d270b2216

4. Disconnect the top of the controller box (x1, x1, x1).



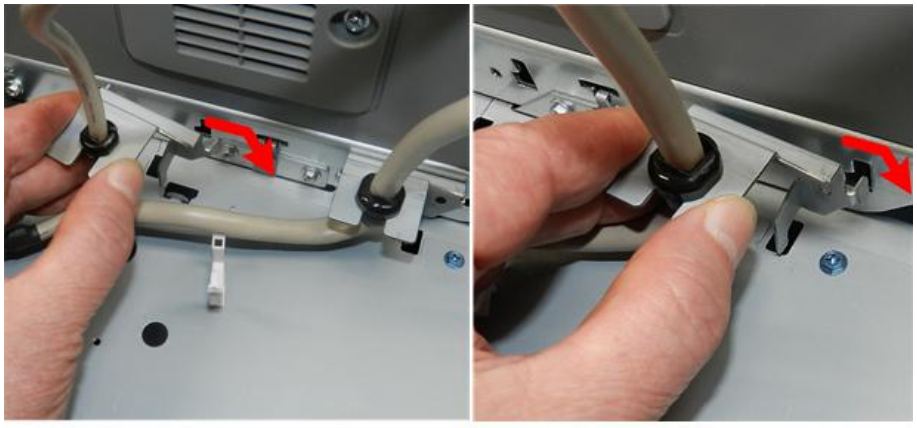
d270b2217

5. Disconnect the harness plates (x2).



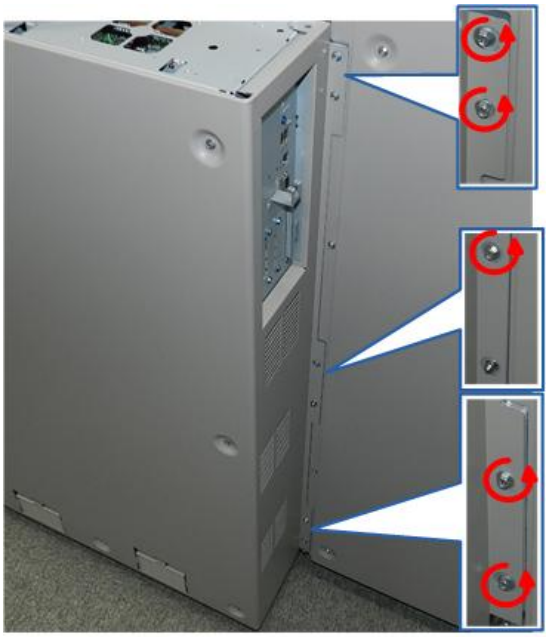
d270b2218

6. Unhook and disconnect both harness plates.



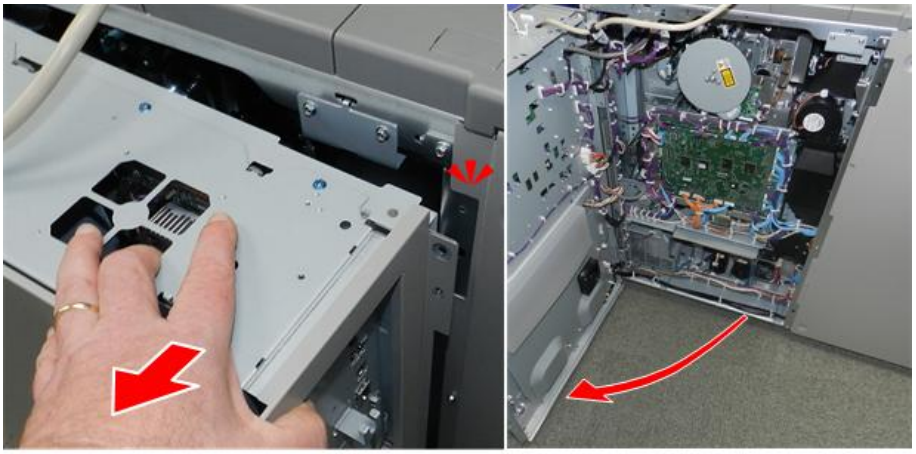
d270b2219

7. Disconnect the edge of the controller box (x5).



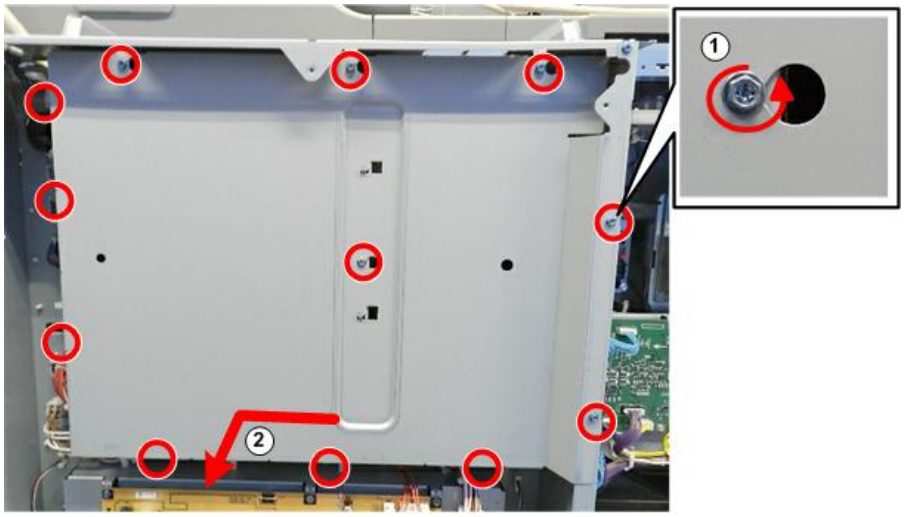
d270b2220

8. Swing the controller box open.



d270b2221

9. Loosen the screws of the metal inner cover (x12).
   - Do not remove the screws.
   - Each screw slides into a larger hole ① when the cover is pushed to the left ②.



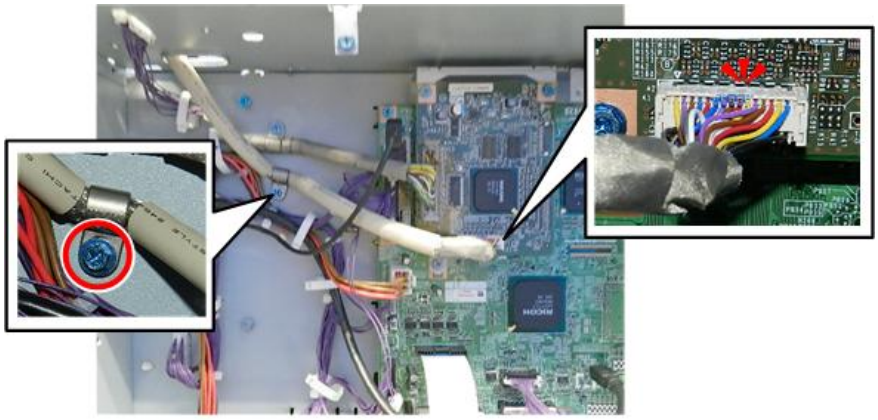
d1792501

10. Slowly, slide the cover to the left and then remove it.

Important

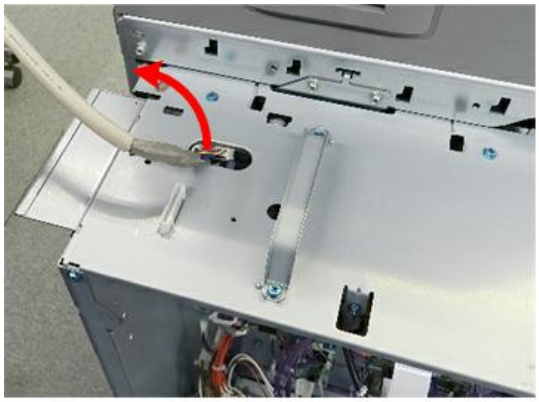
As you remove the cover, carefully separate any harnesses if they are entangled with the cover.

11. Disconnect the harness (x1, x1).



d1792502

12. Pull the disconnected harness through the top of the controller box.

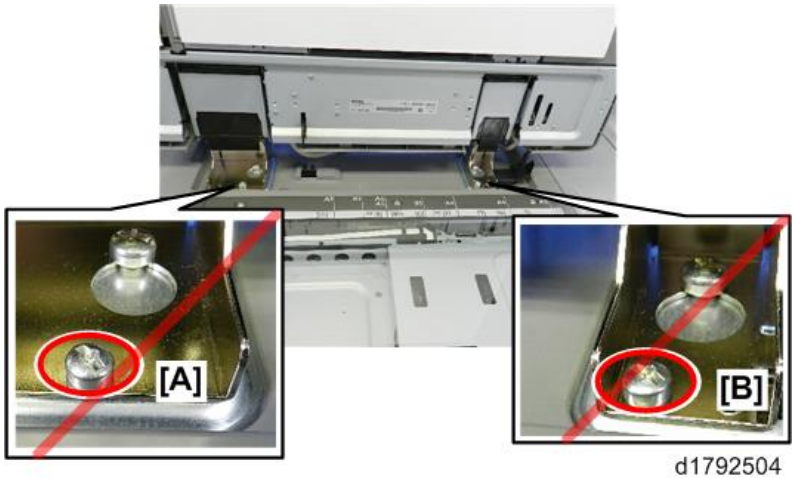


d1792503

13. At the front, disconnect the ADF anchor plates [A] and [B] (x2).

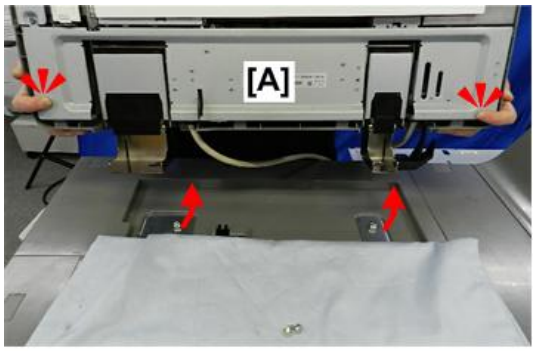
Important

Never try to remove or loosen the large shoulder screws at [A] or [B].



d1792504

14. Grip the ADF [A] from the rear.



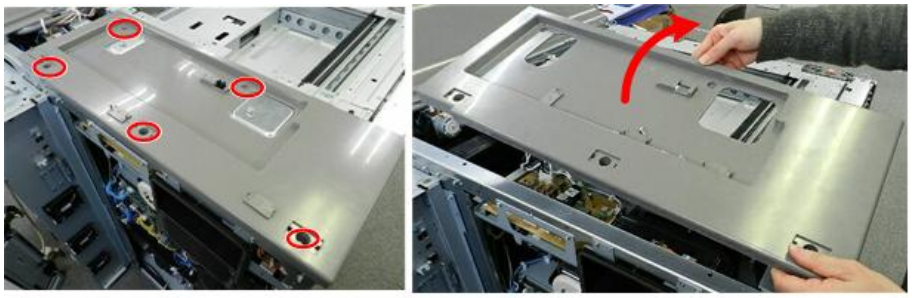
d1792505

15. Pull it to the rear, lift it straight up, and then set it on the floor behind the machine or on a large table.

Weight: approx. 14 kg (31 lb.)

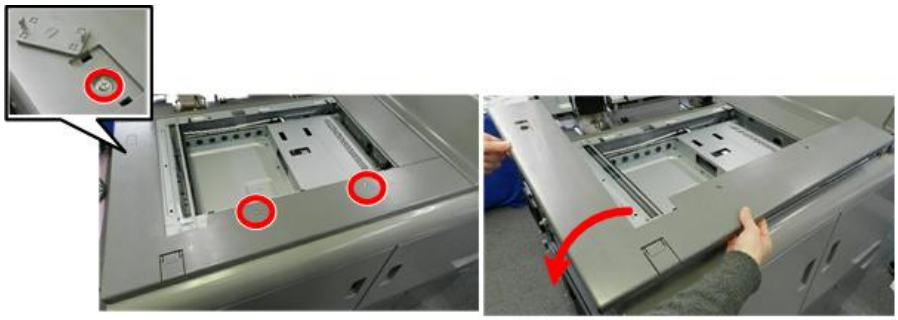
d1792661

16. Remove the rear flat plate (x5).



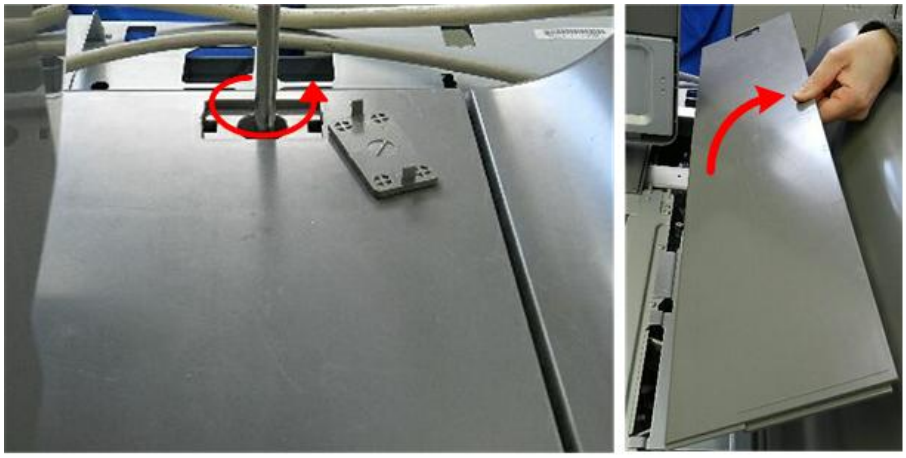
d1792662

17. Remove the “L” cover (x1, x2).



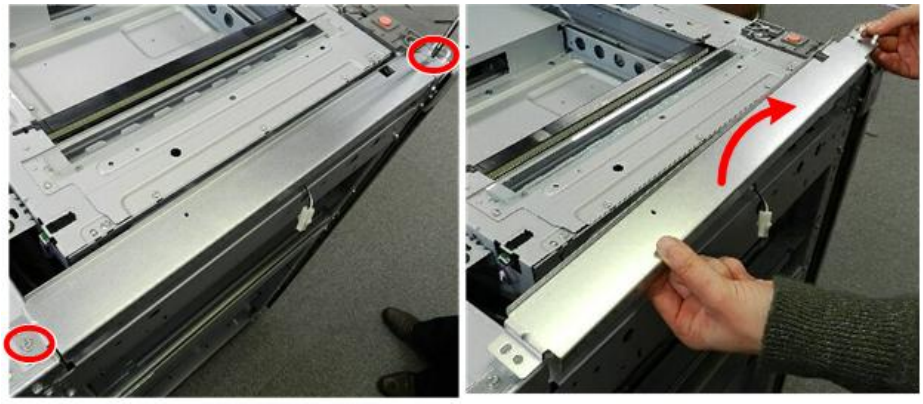
d1792643

18. Remove the right flat plate (x1).



d1792649

19. Remove the right stay (x2).

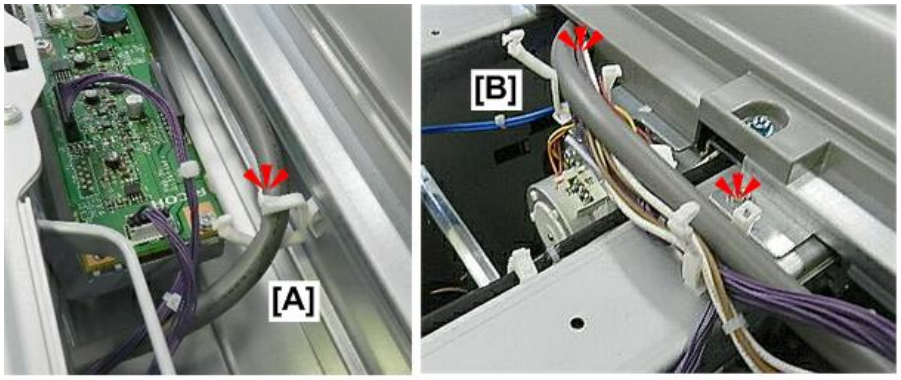


d1792663

20. Disconnect the ADF cables from the left rear corner of the SIOB (x2).

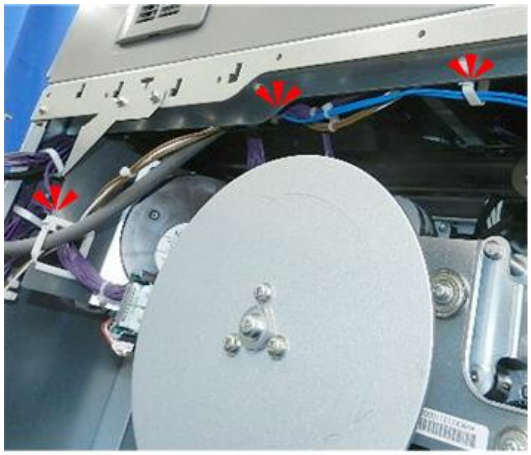
d1792664

21. Above the SIOB, free the ADF harness at [A] and [B] (x3).



d1792666

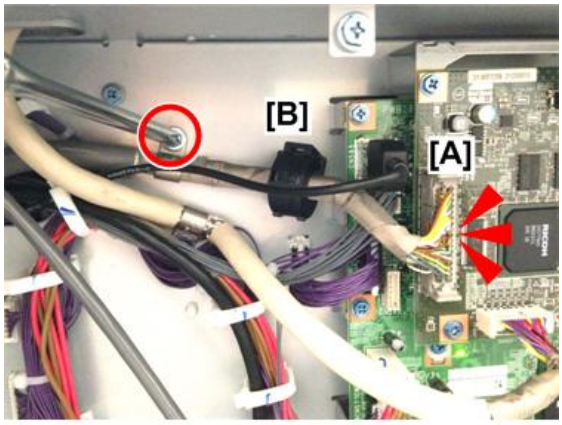
22. Free the ADF harnesses under the rear edge of the machine (x3).



d1792667

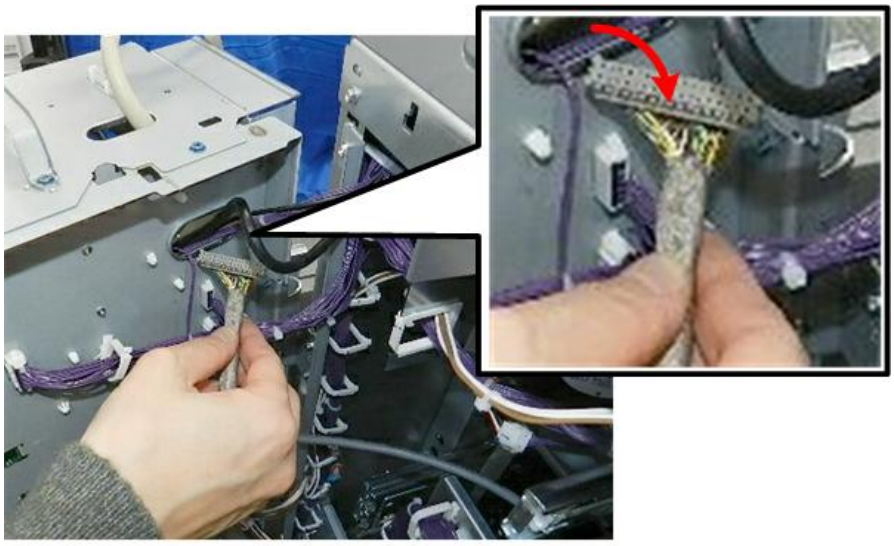
23. Disconnect the scanner harness [A] (x1, x1).

24. Remove the ferrite core [B].



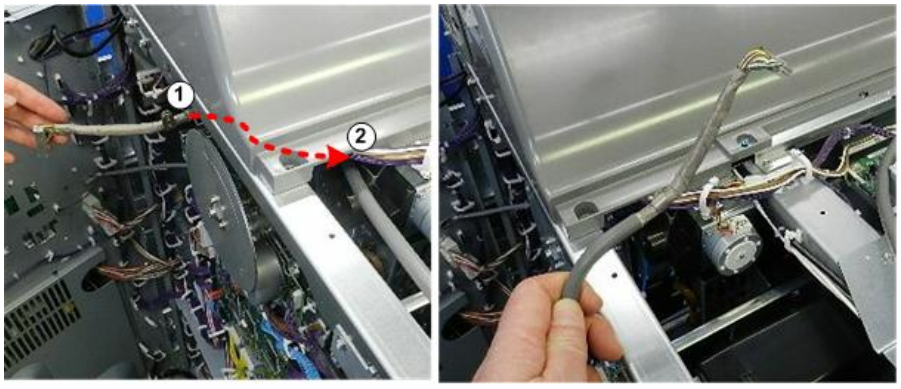
d1792668

25. Pull the ADF harness through the hole and out of the controller box.



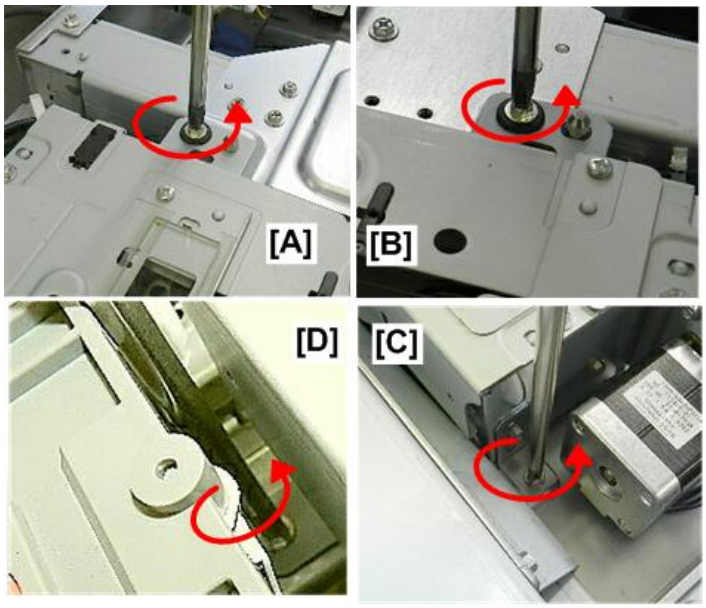
d1792669

26. Push the ADF harness up into the machine ① , and then pull it out ②.



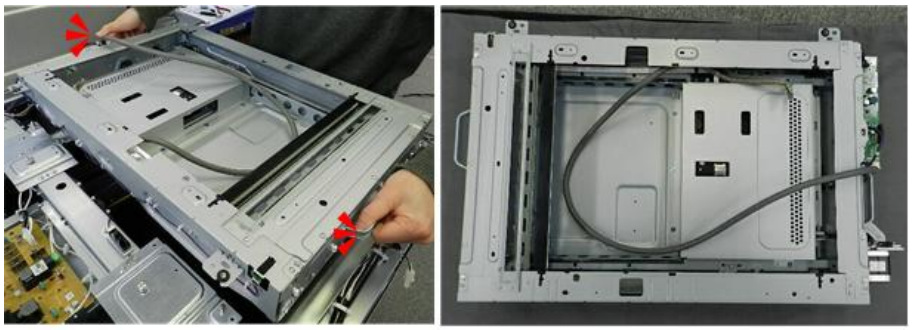
d1792670

27. Remove the large screw from each corner of the scanner unit [A], [B], [C], [D] (x4).



d1792665

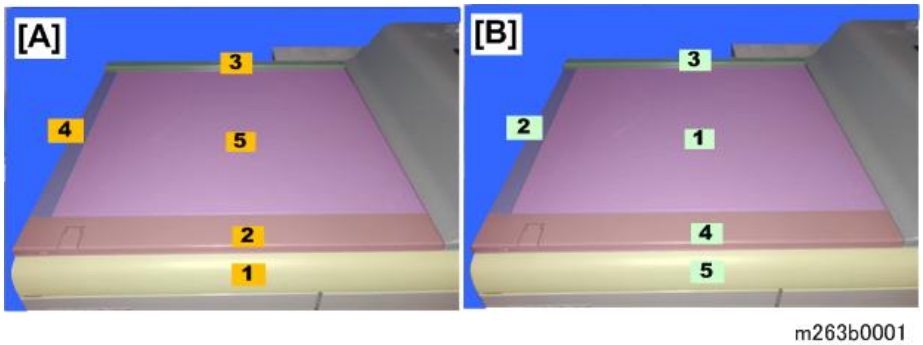
28. Lay the free harness in the center of the scanner unit.
29. Lift the scanner unit by its handles on both sides, pull it out of the machine, and then lay it on a clean flat surface. **Weight**: 8 kg (17.6 lb.).



d1792671

Remove the Top Cover (Printer Model)

Follow this procedure to remove the top cover of the printer model.



m263b0001

1. The covers are removed in order:

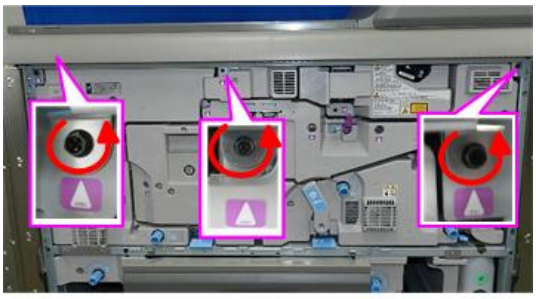
[A]	Removal Order	[B]	Re-installation Order
1	Front frame cover (x3)	**1**	Top cover (x9)
2	Front edge cover (x3)	**2**	Left edge cover (x2)
3	Rear edge cover (x3)	**3**	Rear edge cover (x3)
4	Left edge cover (x2)	**4**	Front edge cover (x3)
5	Top cover (x9)	**5**	Front frame cover (x3)

Important

- Remove them in order [A], and then be sure to re-install them reverse order [B]

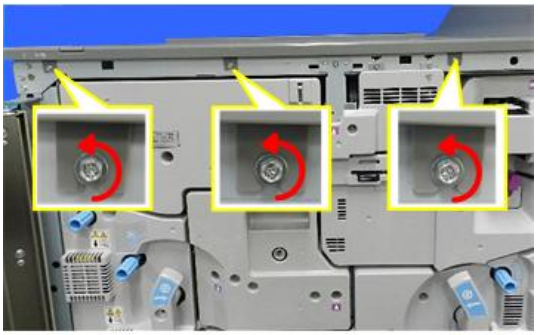
m263b0002

2. Open the front doors.



m263b0003

3. Disconnect the front frame cover (x3).
4. Remove the front frame cover.

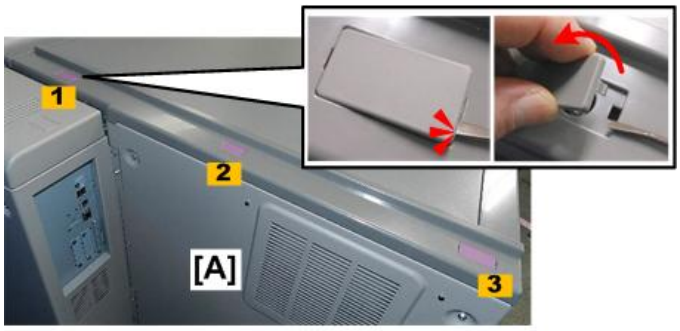


m263b0005

5. Disconnect the front edge cover (x3).

m263b0006

6. Remove the front edge cover.

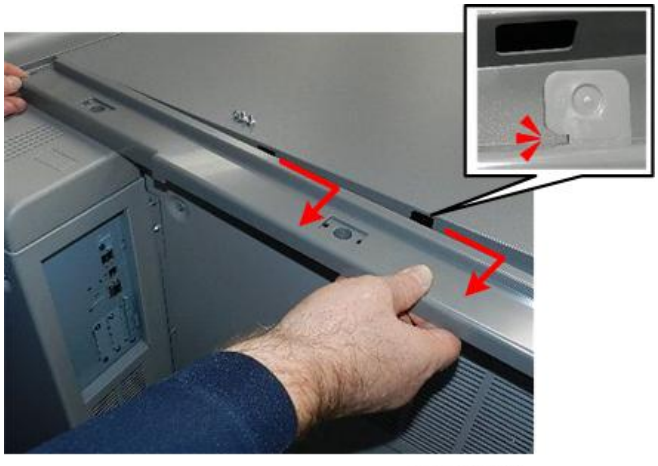


m263b0007

7. At the back of the machine [A], use the tip of a small driver to remove the three screw covers of the rear edge cover.

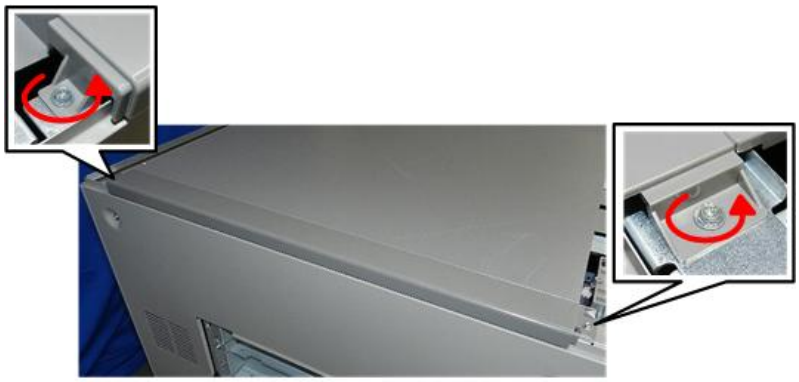
m263b0008

8. Disconnect the rear edge cover (x3).



m263b0009

9. Slide the cover slightly to the right to unhook it, and then remove it.

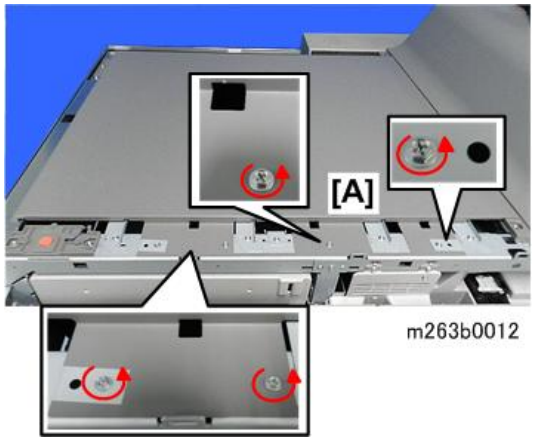


m263b0010

10. Disconnect the left edge cover (x2).

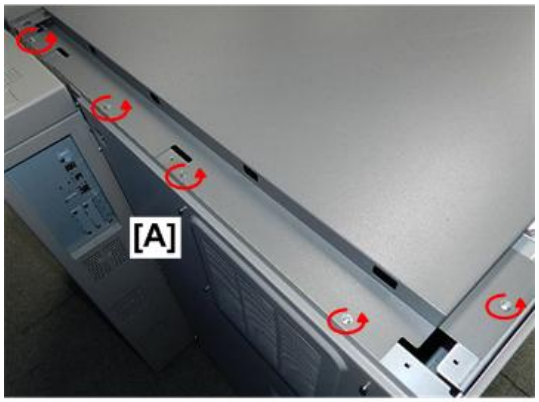
m263b0011

11. Slide the cover slightly to the right to unhook it, and then remove it.



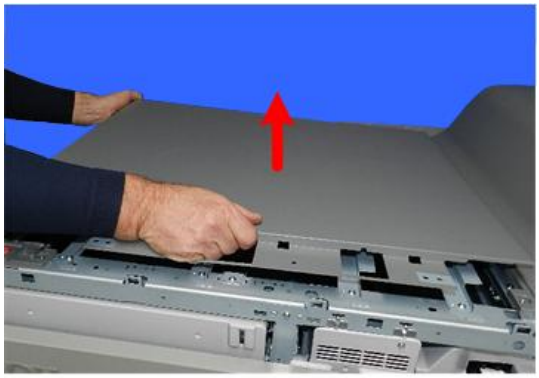
m263b0012

12. At the front of the machine [A], disconnect the front edge of the top cover (x4).



m263b0013

13. At the back of the machine [A] disconnect the rear edge and corner of the top cover (x5).



m263b0014

14. Remove the top cover.

m263b0015

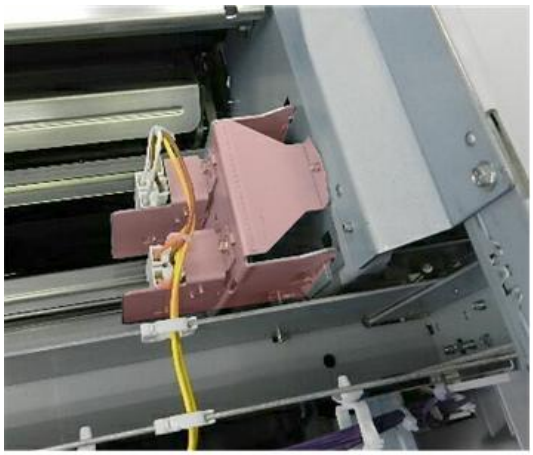
Remove the Door Interlock Switches

1. For the copier model, first remove the scanner unit. (See above.)

   –or-

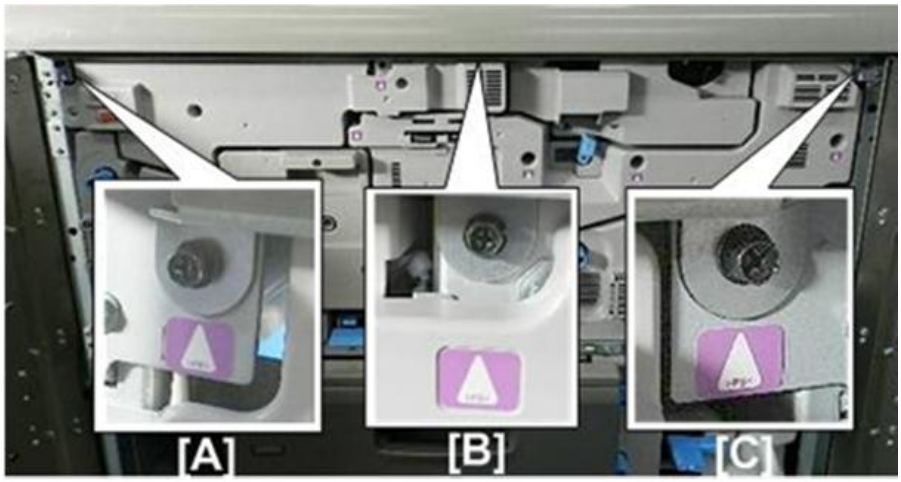
   For the printer model, first remove the top cover. (See above.)
2. The safety interlock switches for the right door and the front door are behind the front plate of the main unit

and under the scanner unit.



d1792672

3. Disconnect and remove the front edge cover at [A], [B], [C] (x1).

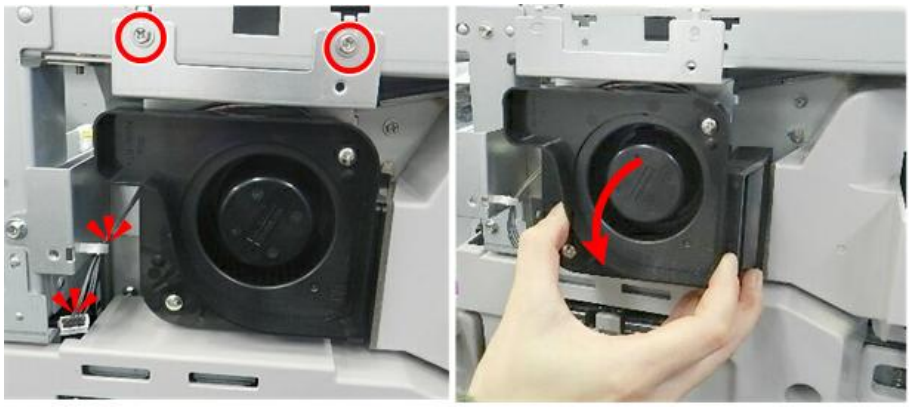


d1792761

4. At the front, remove the upper left cover (x4).

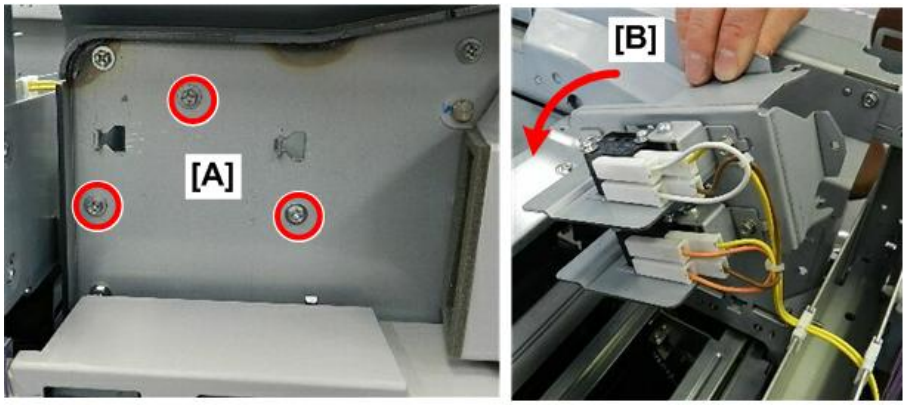
d1792673

5. Disconnect the fan bracket and then pull away the fan (x2, x2).



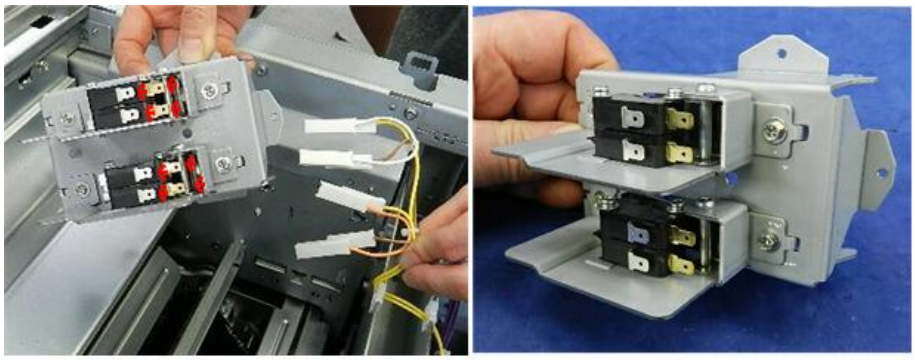
d1792674

6. Remove the screws from the plate [A] behind the fan just removed (x3).
7. Behind the plate, pull the bracket [B] off its hook.



d1792675

8. Disconnect the switches (x8).

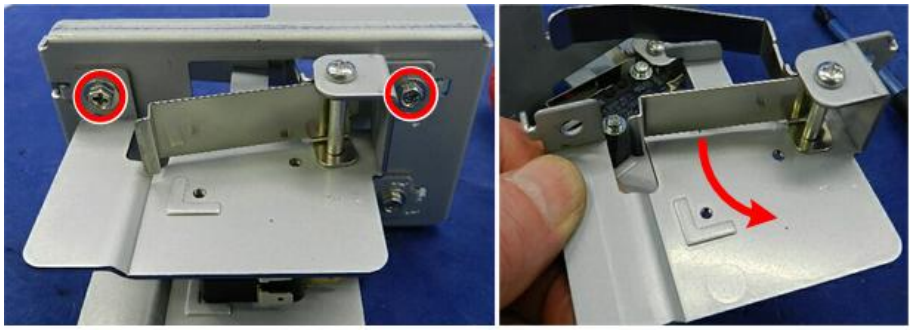


d1792676

9. Remove the first pair of switches (x2).

d1792677

10. Remove the spring bracket (x2).



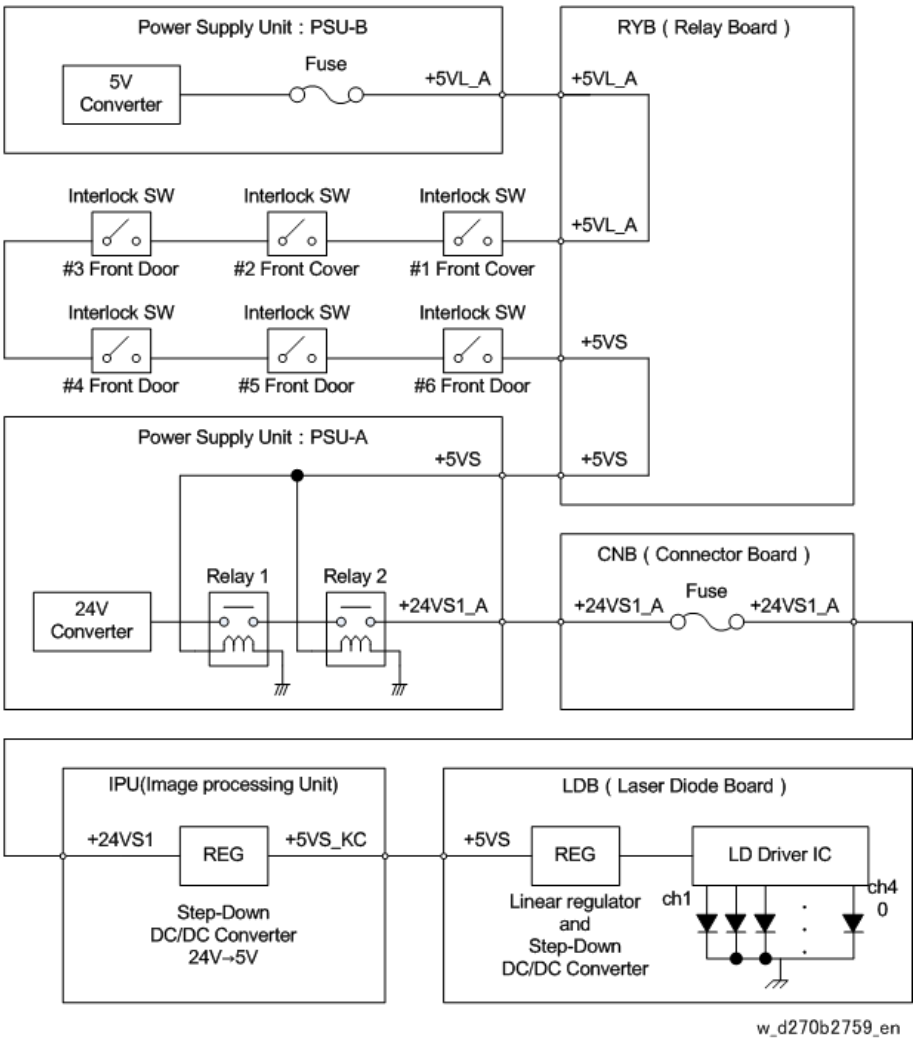
d1792678

11. Remove the second pair of switches.

d1792679

LD Safety Switch Diagram

In this machine, the mechanism that makes the laser unit operational is a 24V line interrupted using a 5V relay, and then 24V is dropped to +5V using a regulator. To ensure the safety of the machine operators and service technicians, six switches prevent the laser beams from switching on accidentally. When either the right door, left door, or front upper cover is opened, the +5V line connecting the LD driver on the LD control board is disconnected to disable the laser unit.


Power Supply Unit : PSU-B
5V Converter
Fuse
+5VL_A
RYB (Relay Board)
+5VL_A
Interlock SW
#3 Front Door
Interlock SW
#2 Front Cover
Interlock SW
#1 Front Cover
+5VL_A
Interlock SW
#4 Front Door
Interlock SW
#5 Front Door
Interlock SW
#6 Front Door
+5VS
Power Supply Unit : PSU-A
+5VS
+5VS
CNB (Connector Board)
Relay 1
Relay 2
24V Converter
+24VS1_A
+24VS1_A
Fuse
+24VS1_A
IPU(Image processing Unit)
+24VS1
REG
+5VS_KC
Step-Down DC/DC Converter 24V→5V
LDB (Laser Diode Board)
+5VS
REG
LD Driver IC
Linear regulator and Step-Down DC/DC Converter
ch1
ch40
w_d270b2759_en

Toner Supply

Toner Supply Unit

Before You Begin

The toner supply unit and toner bank are both under the canopy on the right side of the machine. To service the components described in this section, you must disassemble the machine as far as the start of laser unit removal. Specifically, this includes removing the following items:

1. Attention light
2. Operation panel
3. Canopy cover
4. Toner bank cover
5. Left toner bottle cradle
6. Right toner bottle cradle

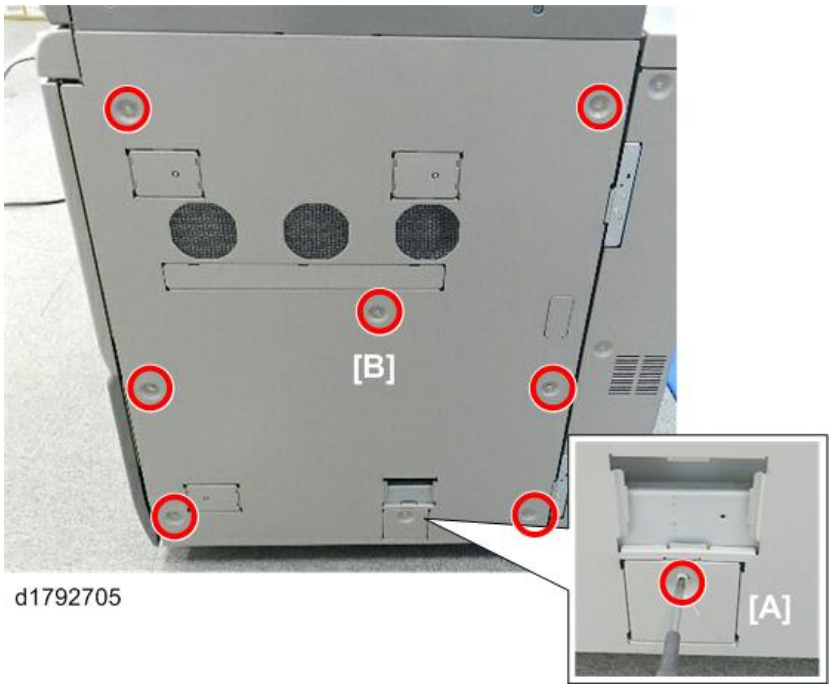
Canopy Cover Removal

1. Start the removal procedure by removing the edge connectors. This procedure is different, depending on whether the main machine is the copier model or the printer model. **Do this now, and then proceed from Step 2 below.**
   - Copier Model. See Copier Model in "Common Procedures.
   - Printer Model. See Printer Model in "Common Procedures".
2. Disconnect the attention light base [A] (x3).
3. Disconnect the bottom of the attention light [B] and remove the light (x2, x1).

d1792704

4. On the right side, remove the LCIT heater connector cover plate [A] (x1).

5. Disconnect the right cover [B] (x7).

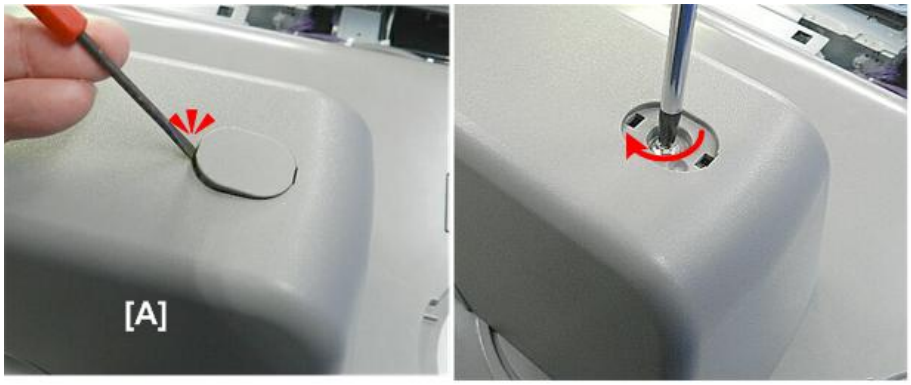


d1792705

6. Lift the cover base [A] and pull the right cover away from the machine.

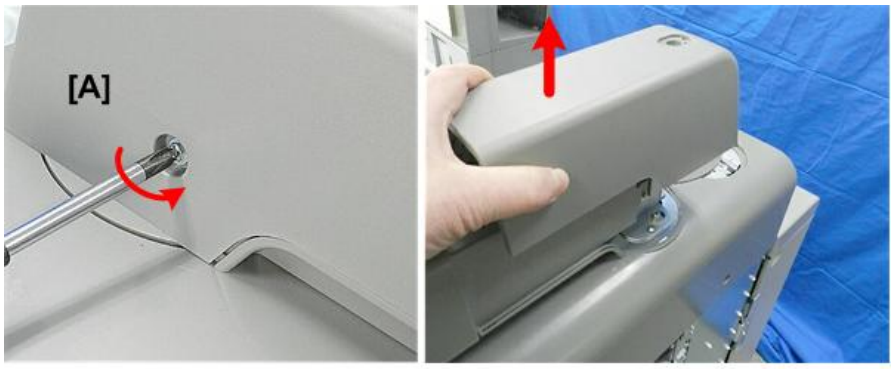
d1792706

7. Disconnect the top of the operation panel arm cover [A] (cap x1, x1).



d1792707

8. Disconnect the side of the operation panel arm cover [A] and then remove it (x1).

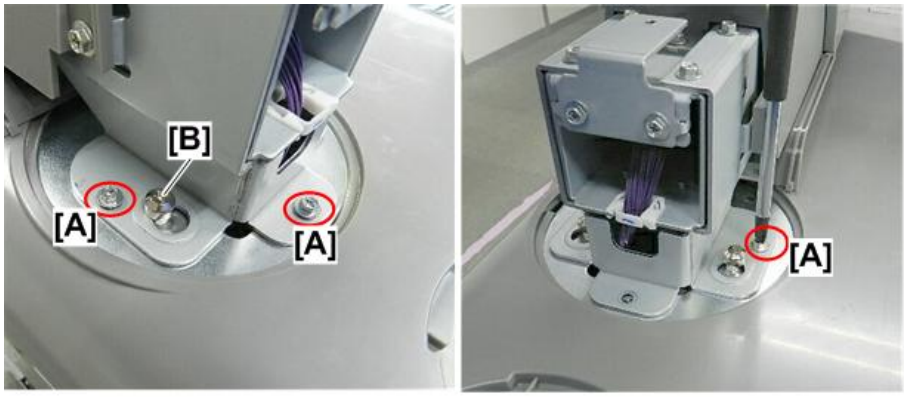


d1792708

9. Disconnect the metal base [A] of the operation panel (x3).

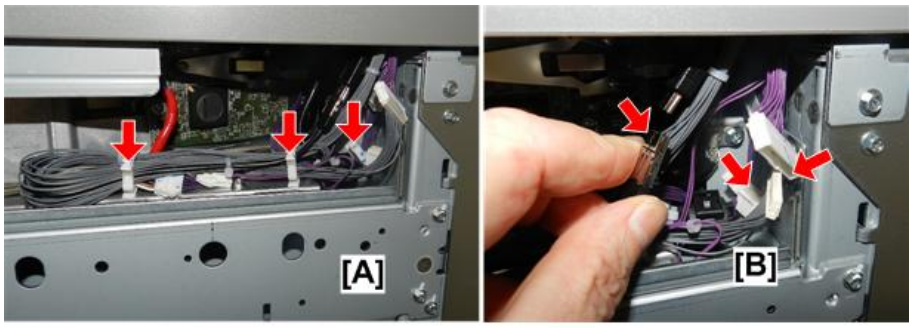
Important

- Do not loosen the shoulder screws [B].



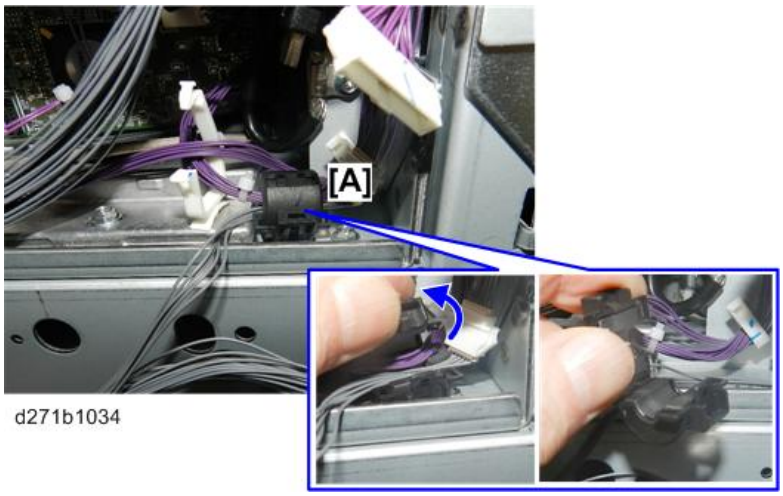
d1792709

10. Open the harness clamps [A], and then free the harnesses [B] (x3).
11. Disconnect the harnesses (x3).



d271b1033

12. Open the ferrite core, and then remove it.

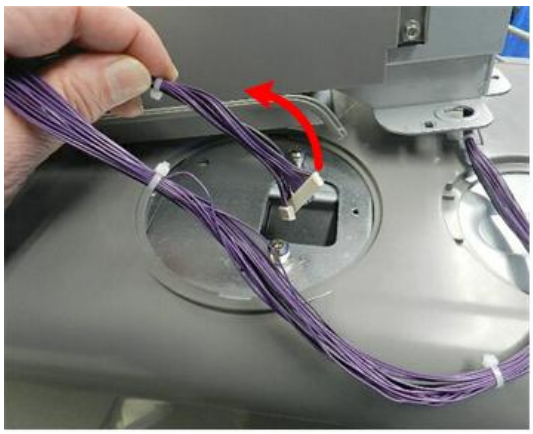


d271b1034

13. Push the end of the operation panel arm [A] toward the front of the machine.
14. Remove the base of the arm from the anchor screws [B], and then lay the base down next to the anchor screws.

d1792711

15. Slowly pull the harnesses through the hole.
16. Pick the operation panel up, and then lay it down on a flat clean surface.

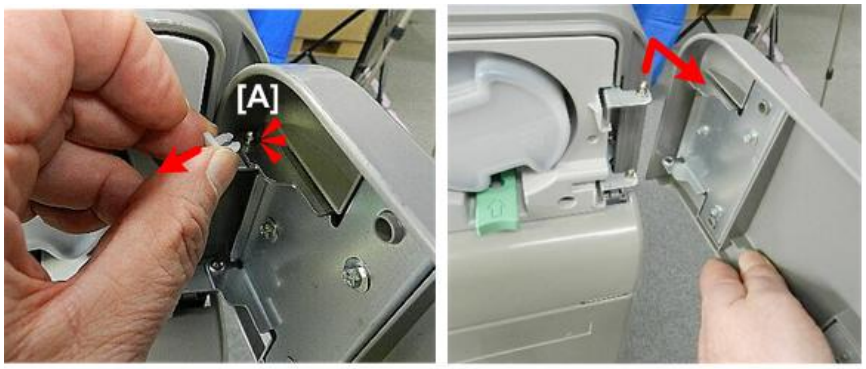


d1792712

17. Open the toner bank door.

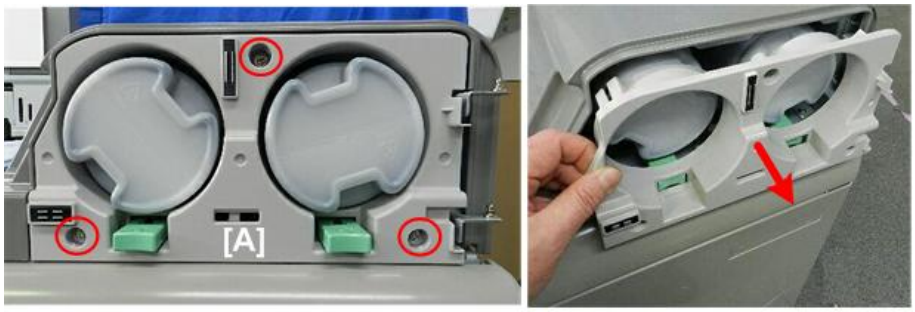
d1792713

18. Pull off the clip and remove the toner bank door [A] (x1).



d1792714

19. Remove the toner bank front cover [A] (x3).



d1792715

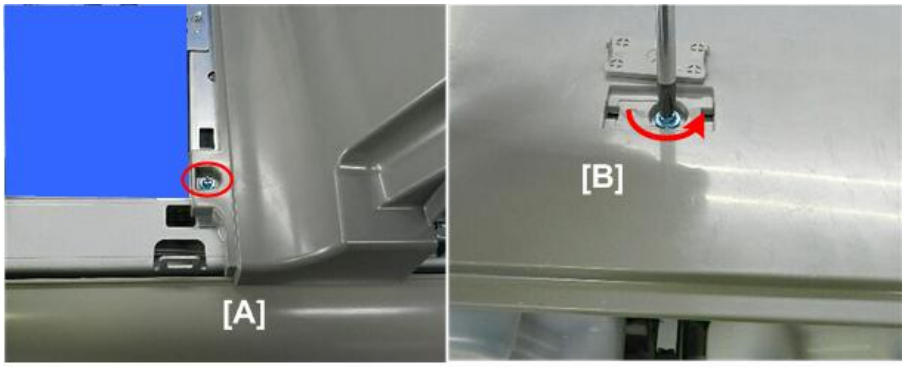
20. At the rear [A], remove the filter bracket and filter from the back of the canopy (x1).

Note

- Note the position of the notch on the edge of the filter. It must be re-installed in the same way.

d1792718

21. Disconnect the front left corner of the canopy [A] (x1).
22. Disconnect the top front of the canopy [B] (cap x1, x1).



d1792716

23. Disconnect the right side of the canopy (x2).

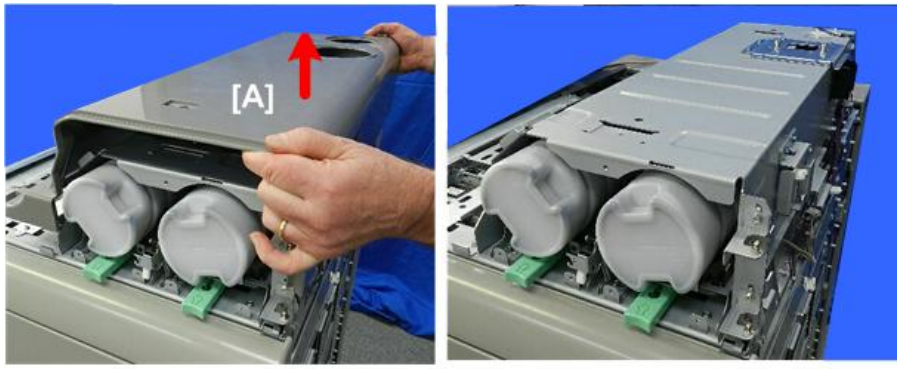
d1792717

24. At the rear, disconnect the top of the canopy [A] (x1).

25. Disconnect the left rear corner of the canopy [B] (x1).

d1792719

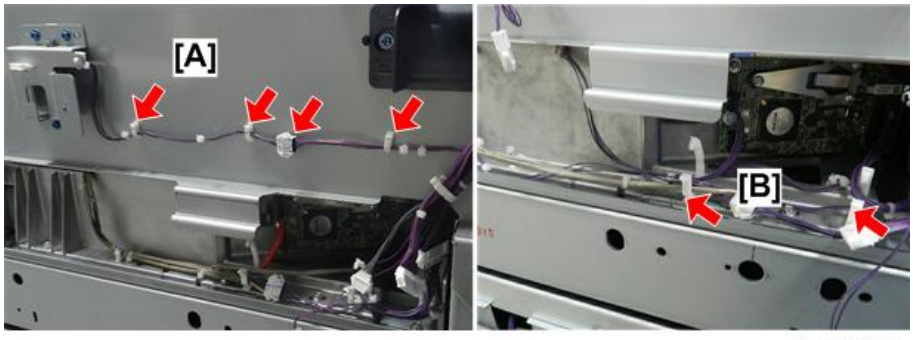
26. Remove the canopy [A].



d179b2720

Remove the Toner Bank Cover

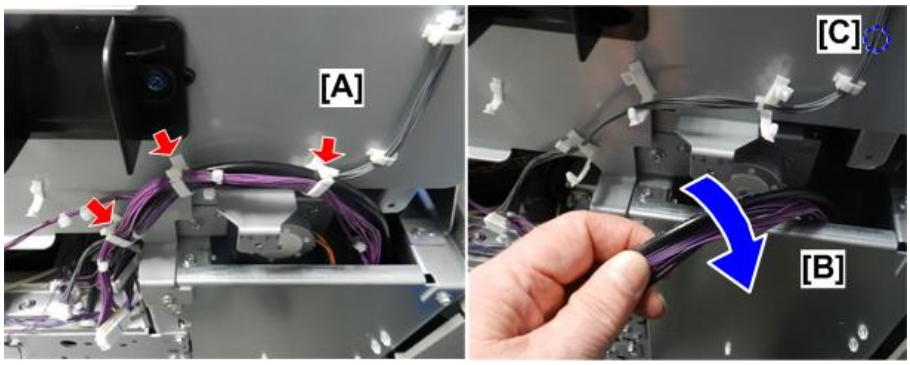
1. Disconnect the harness on the right side of the toner bank cover [A] (x1, x3).
2. Make sure that the harness clamps [B] are open (x2).



d270b2721

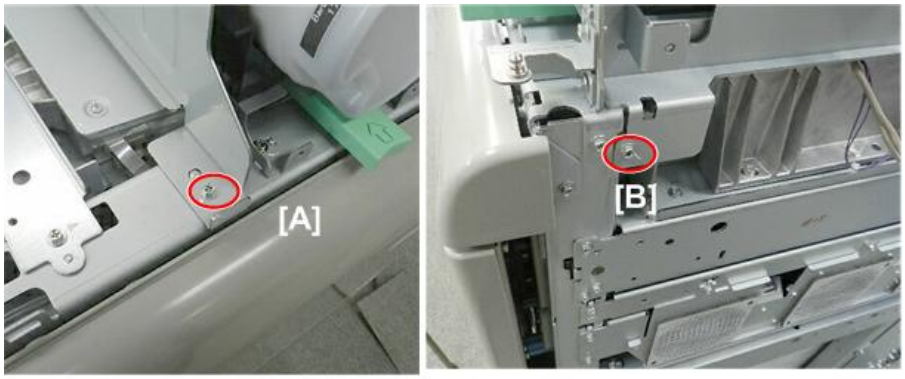
3. At the right rear corner, open the clamps [A] and then pull the harnesses [B] away from the side of the cover

(x3). Do not disconnect clamp and harness [C].



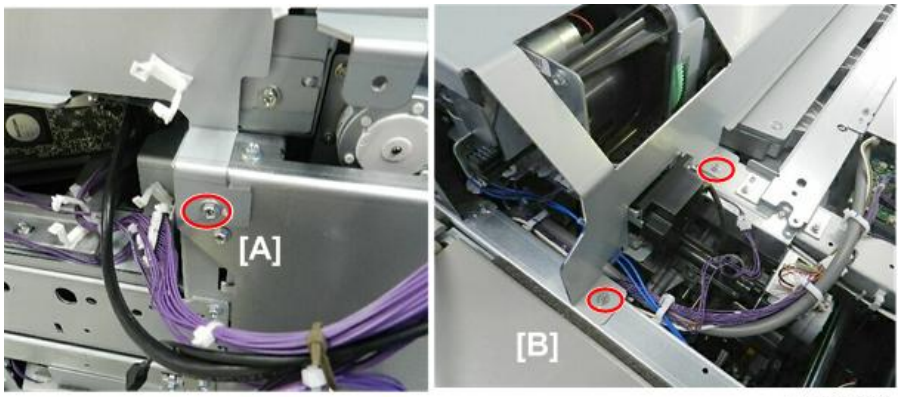
d270b2722

4. Disconnect the left front corner [A] and the right front corner [B] of the toner bank cover (x2).



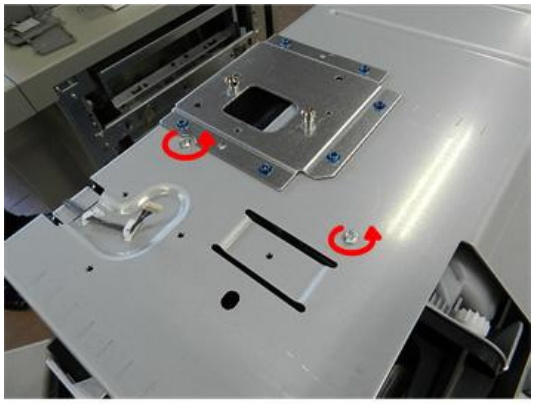
d1792723

5. Disconnect the right rear corner [A] of the toner bank cover (x1).
6. Disconnect the left rear corner [B] of the cover (x2).



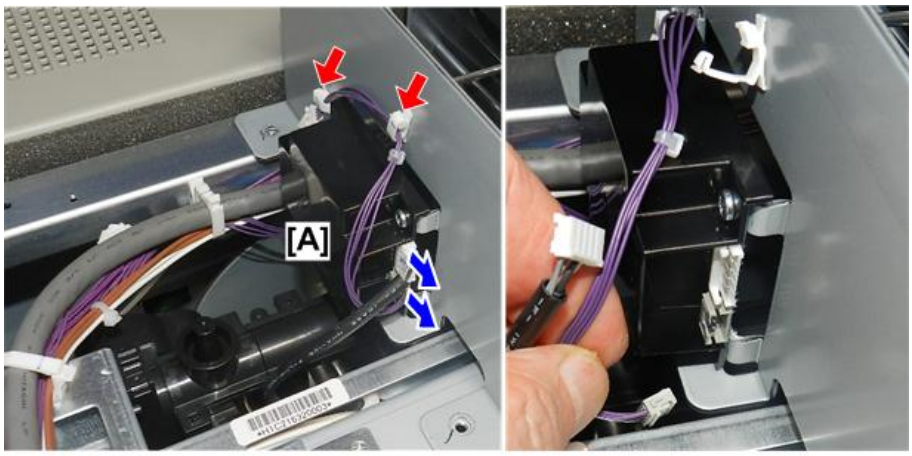
d1792724

7. Disconnect the top of the toner bank cover (x2).



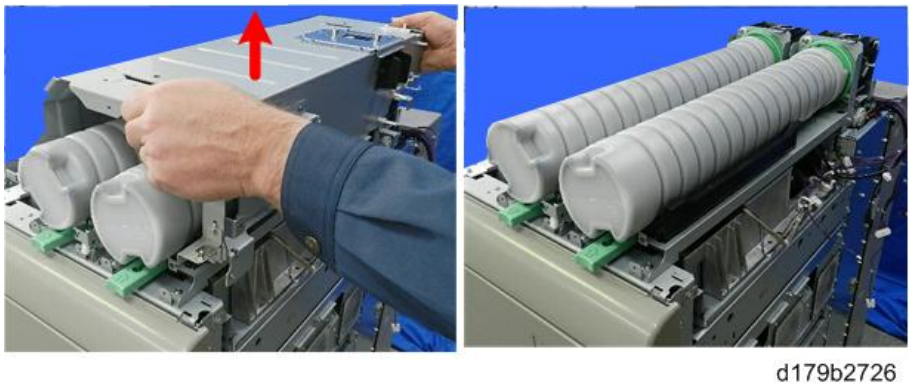
m263b3016

8. At the left rear corner of the toner bank cover [A] (viewed from the front), disconnect harnesses (x2, x2).



d270b2725

9. Remove the toner bank cover.

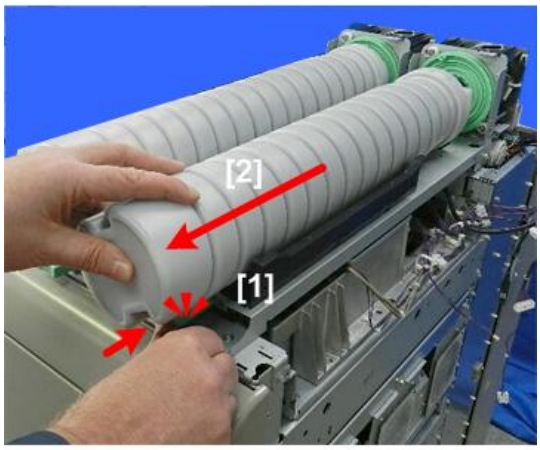


d179b2726

Remove the Toner Bottle Cradles

1. Remove the toner bottles.

2. Press in the bottle release lever [1] of the toner bottle, and then remove the bottle [2].

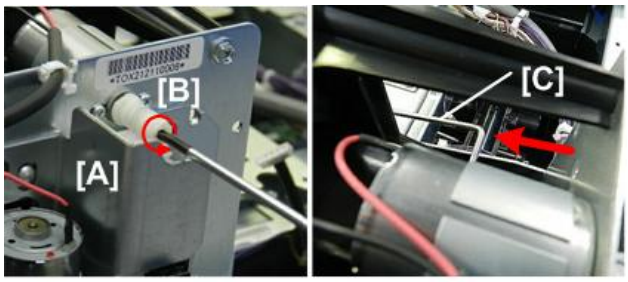


d179b2727

Important

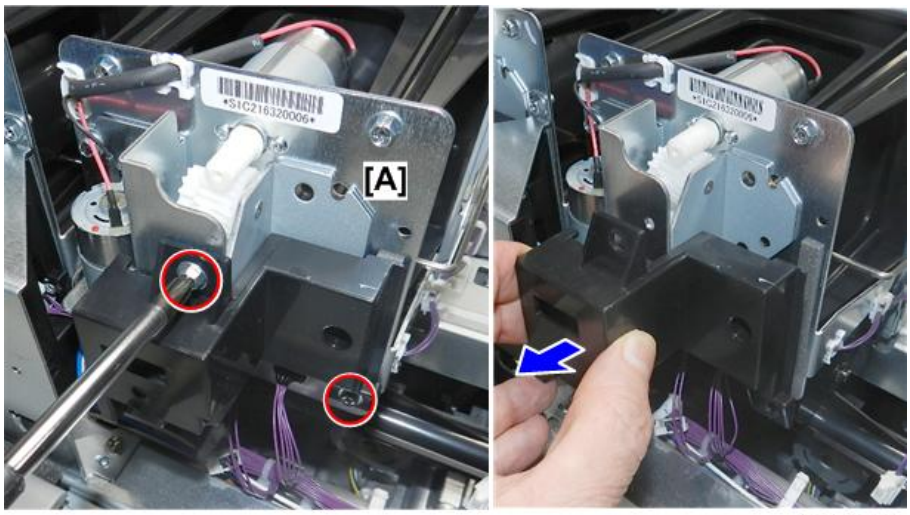
- If either bottle is locked and cannot be released by pressing the lever, do the following steps to unlock the bottle.

3. At the back of the machine [A], insert a small screwdriver into the worm gear shaft [B] of the bottle cap motor of the toner bottle.
4. Turn the screwdriver counter-clockwise until the arm [C] moves forward.



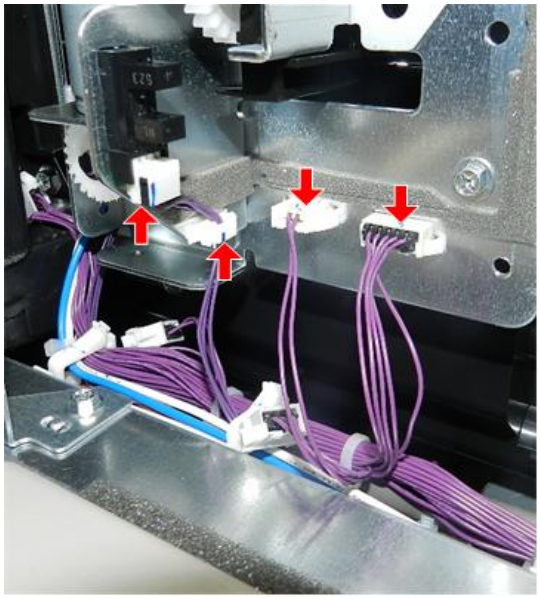
d1792728

5. Remove the cap from the rear end of the left toner bottle cradle [A] (x2).



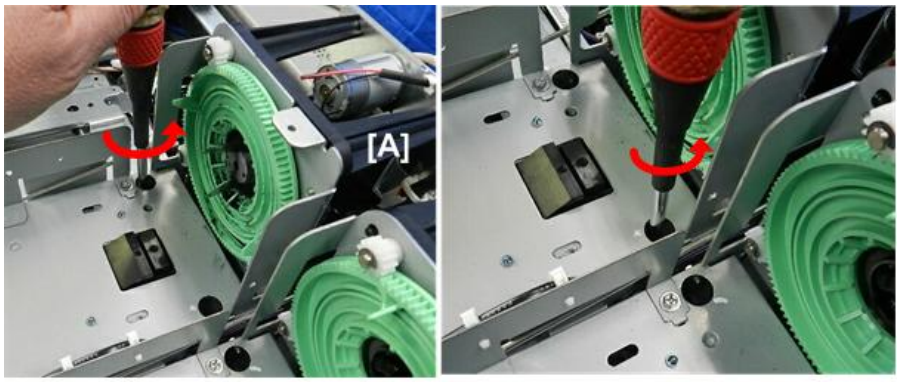
d270b2730

6. Disconnect the left toner bottle cradle (x3, x1).



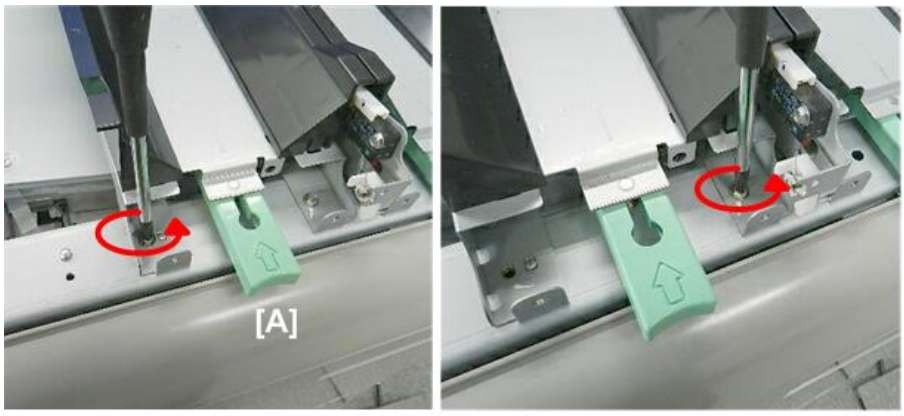
d270b2731

7. Disconnect the back of the left toner bottle cradle [A] (x2).



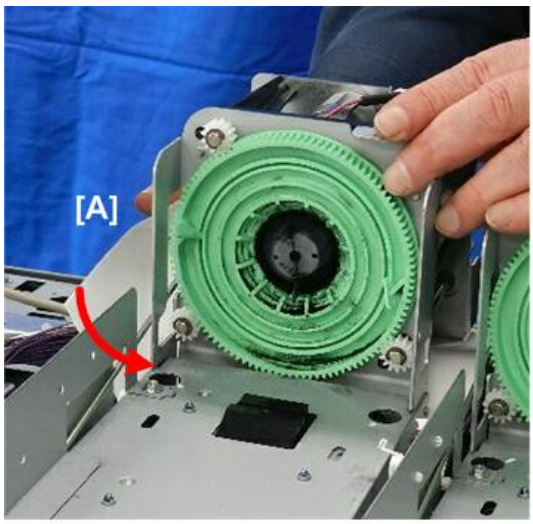
d1792731

8. Disconnect the front of the left toner bottle cradle [A] (x2).



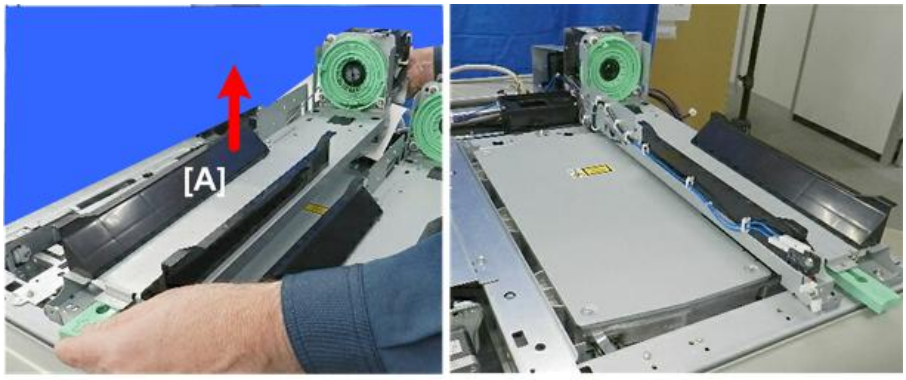
d1792732

9. Slide a sheet of paper under the back of the left toner bottle cradle [A].



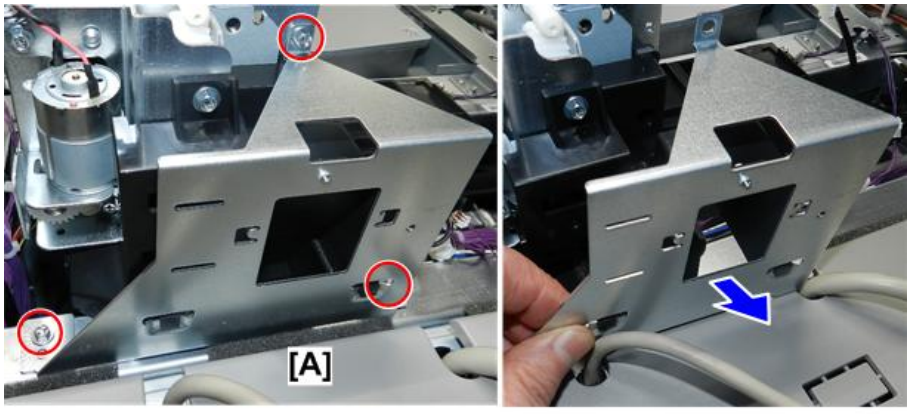
d1792733

10. While holding the paper under the rear end of the cradle, remove the left toner bottle cradle [A].



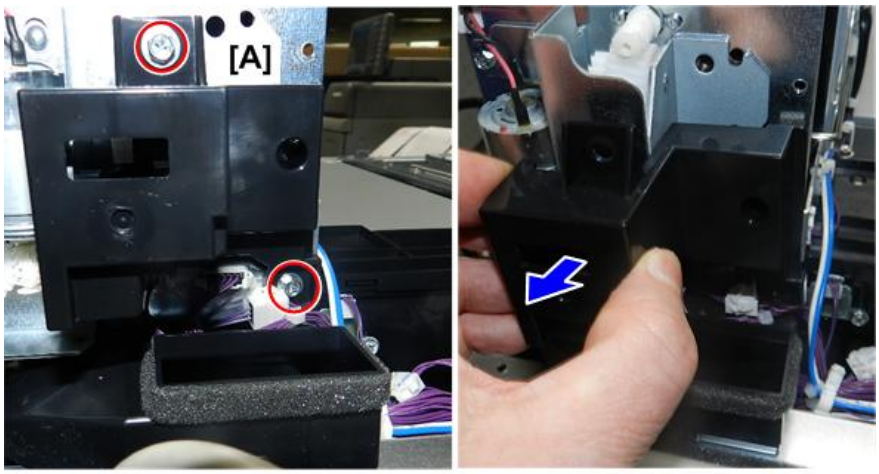
d179b2734

11. Remove the bracket [A] from the back of the right toner bottle cradle (x3).



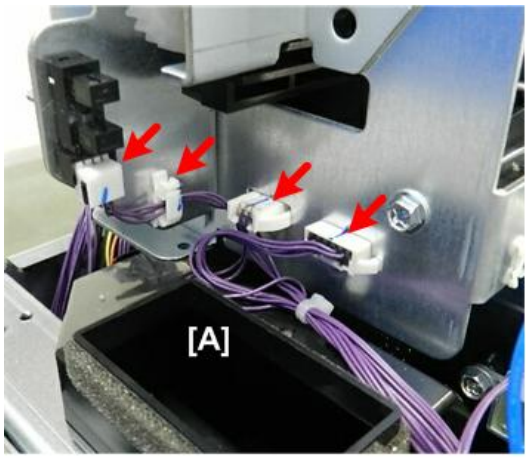
d270b2735

12. Remove the cap from the rear end of the right toner bottle cradle [A] (x2).



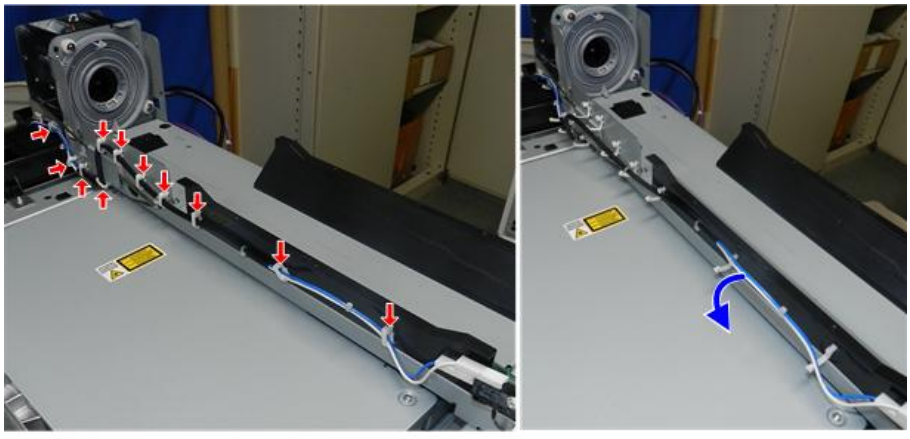
d270b2736

13. Disconnect the back of the right toner bottle cradle [A] (x1, x3).



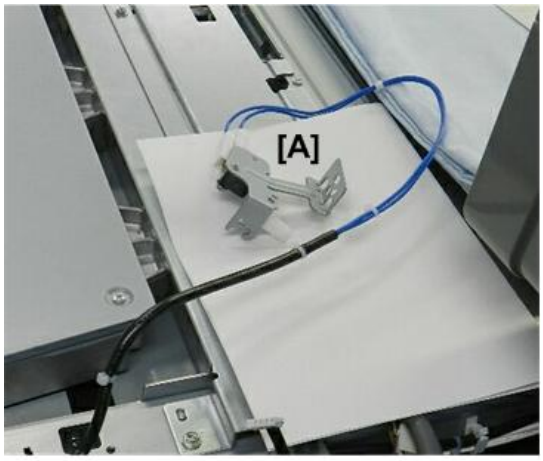
d1792736

14. Disconnect the switch harness from the left side of the cradle [A] (x11).



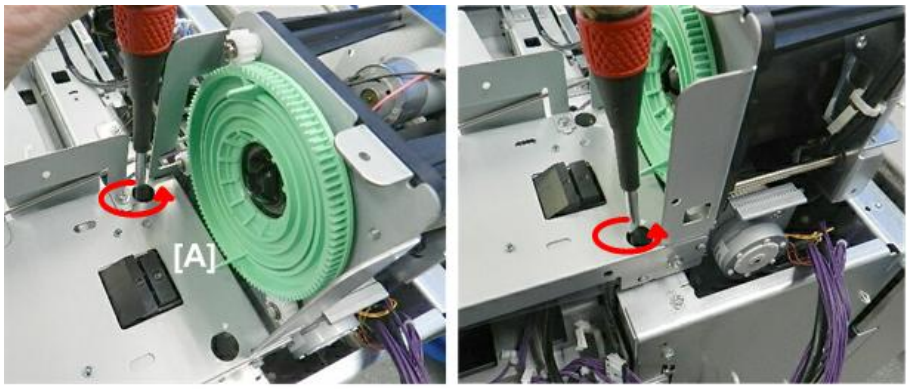
d270b2738

15. Pull the disconnected switch harness [A] to the rear.



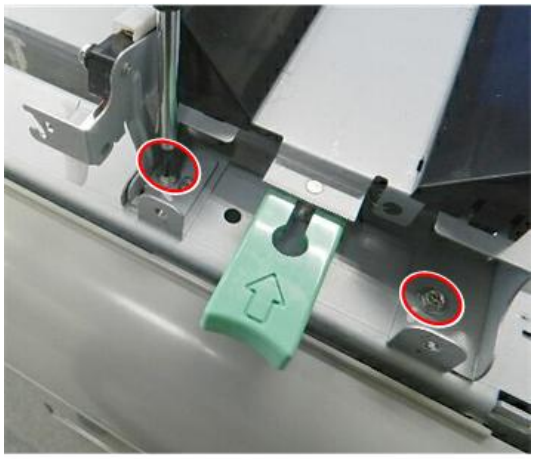
d1792738

16. Disconnect the back of the right cradle [A] (x2).



d1792739

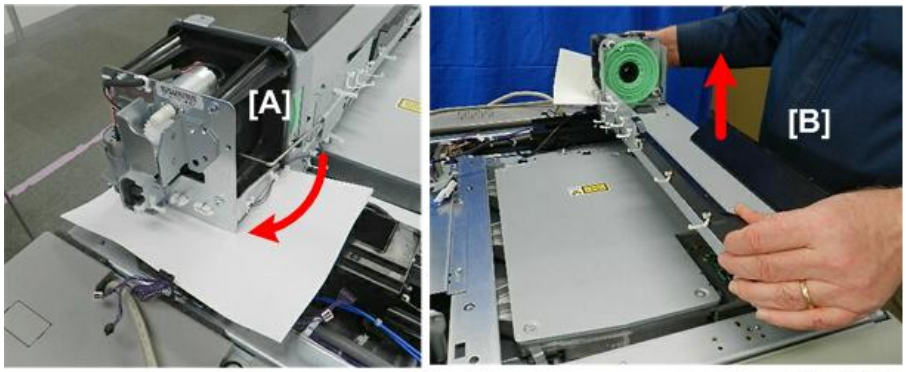
17. Disconnect the front of the right cradle (x2).



d1792758

18. Slide a sheet of paper under the back of right toner bottle cradle [A].

19. While holding the paper under the rear end of the cradle, remove the right toner bottle cradle [B].



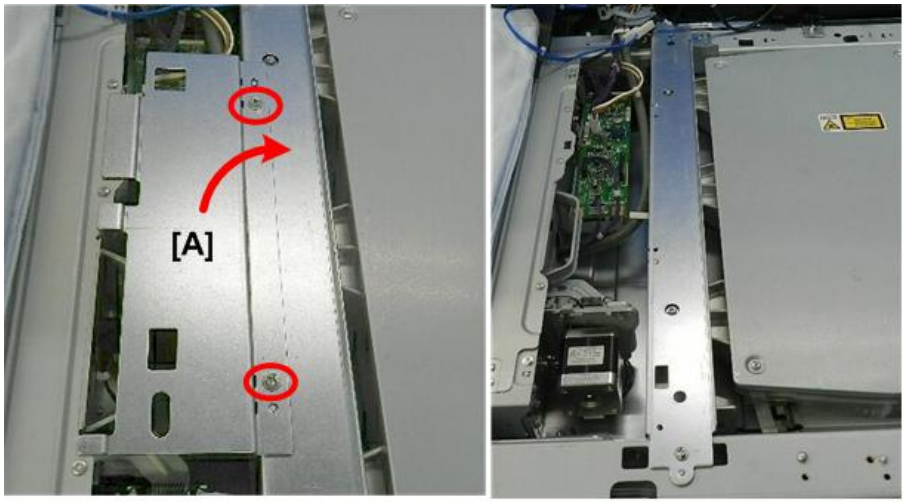
d1792740

Sub Hopper

1. The toner supply unit [A] is at the rear, behind the laser unit.

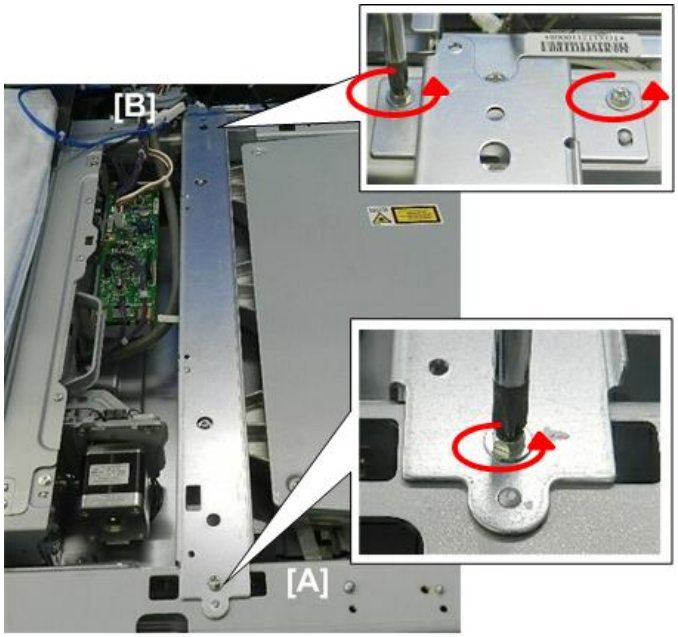
d1792801

2. Remove the shield cover [A] (x2).



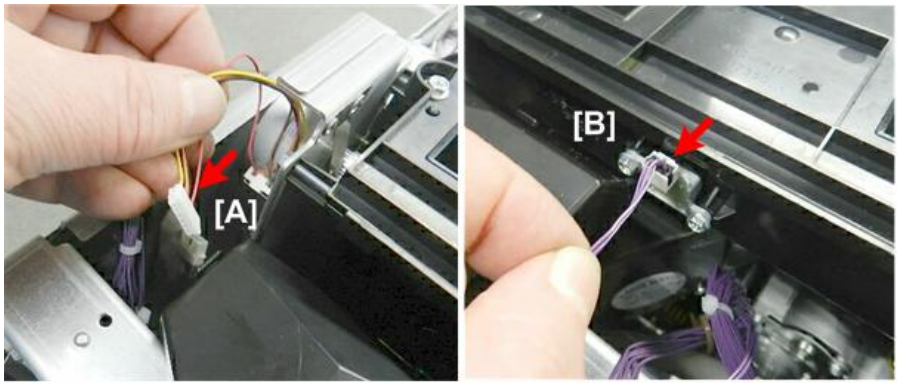
d1792742

3. Disconnect the stay at front [A] and rear [B], and then remove it (x3).



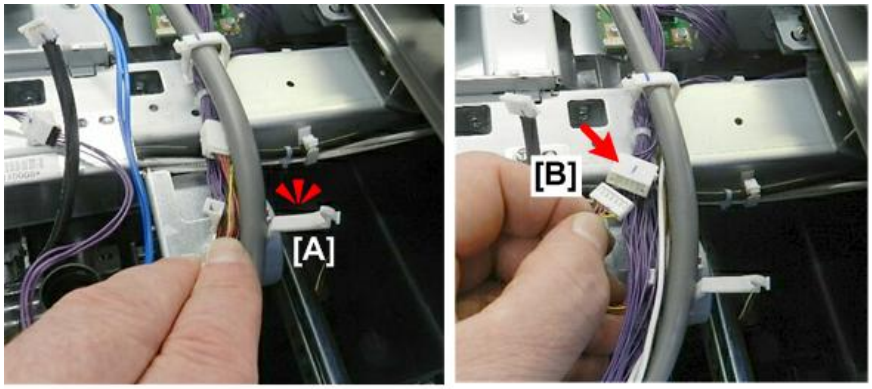
d1792743

4. At the right corner of machine, disconnect the toner agitator motor [A] (x1).
5. Disconnect the TD sensor [B] (x1).



d1792802

6. At the other end of the toner supply unit, disconnect the harness [A] (x1).
7. Disconnect the toner supply motor [B] (x1).

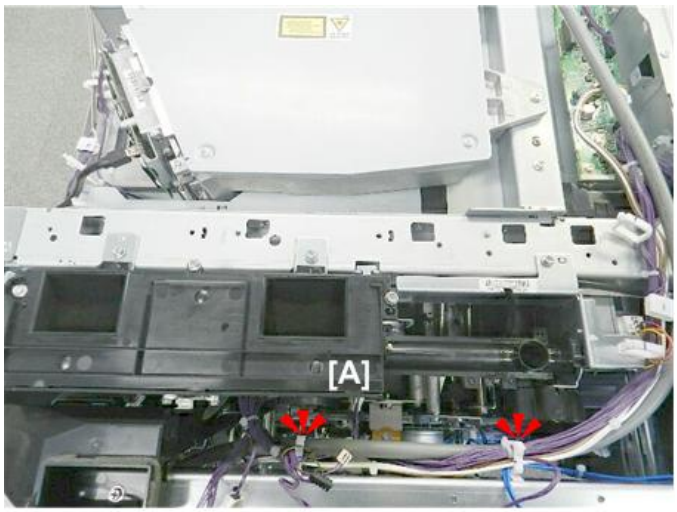


d1792803

8. Disconnect the large harness at [A] and [B] (x3).

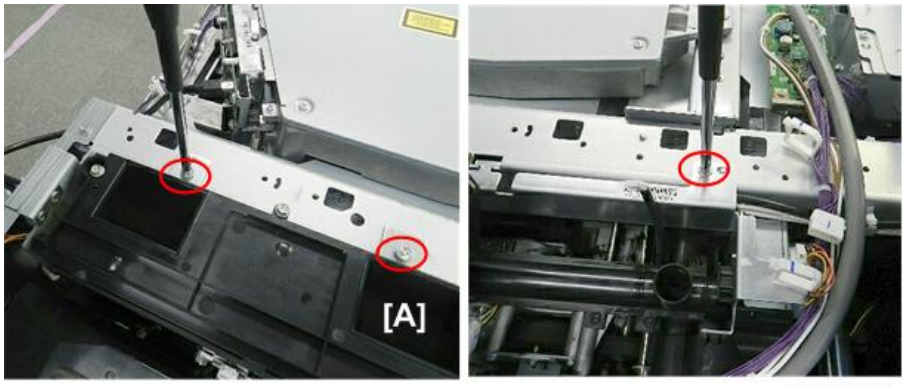
d1792804

9. Pull the harness away from the clamps. This will make it easier to remove the toner supply unit.
10. Disconnect the harnesses at [A] and [B] (x2). This will make it easier to remove the toner supply unit.



d1792805

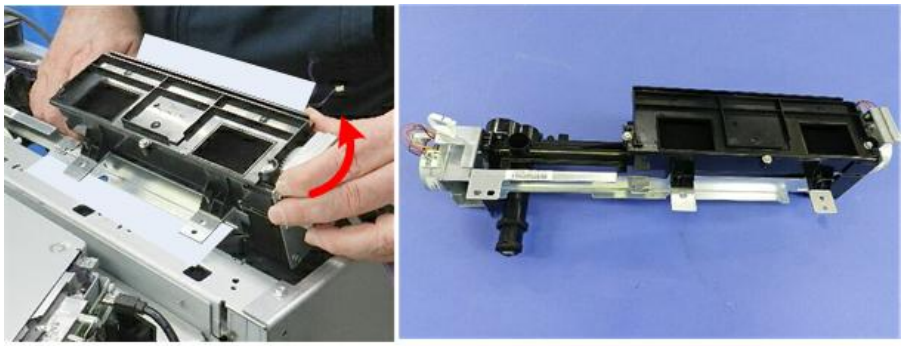
11. Disconnect the toner supply unit [A] (x3).



d1792806

12. Pull the unit up slightly and then slip some paper under it to prevent toner spill.
13. Stand behind the machine, and then tilt the toner supply unit slightly toward the front of the machine as you

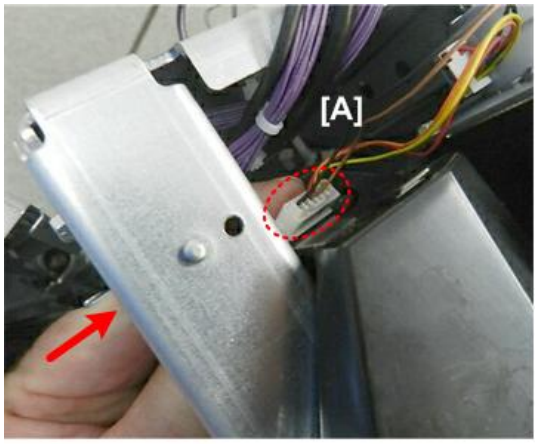
remove it.



d1792807

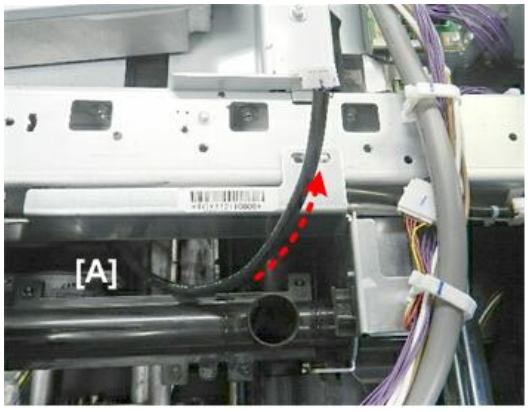
Toner Supply Unit Re-installation

1. If it is difficult to re-connect the agitator motor [A], open the controller box door, and then re-connect the harnesses.



d1792814

2. Make sure that the black harness [A] is between the edge of the machine and the duct.



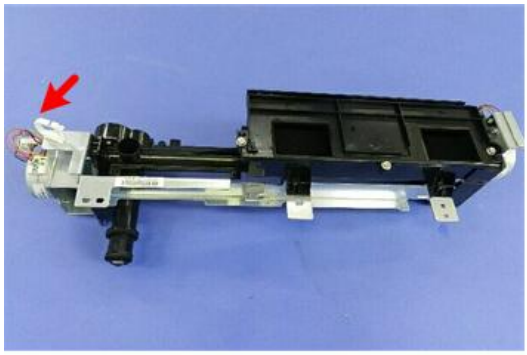
d1792815

Toner Supply Motors

Toner Feed Motor

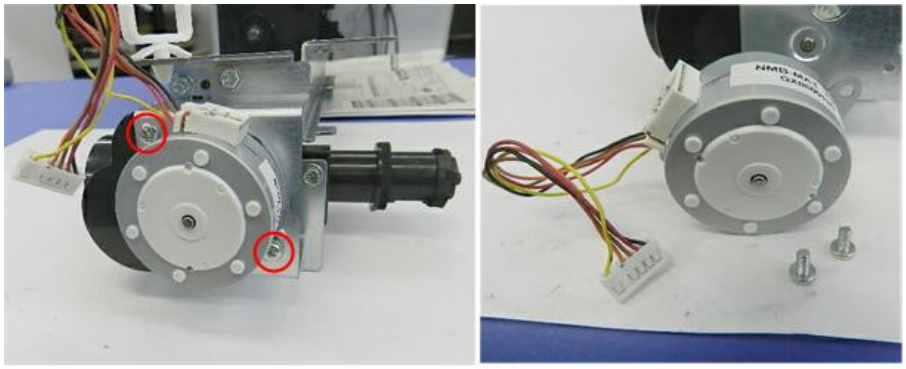
1. Remove the toner supply unit (Toner Supply Unit)

2. The toner supply motor is on the left end of the unit.



d1792808

3. Remove the motor (x2).



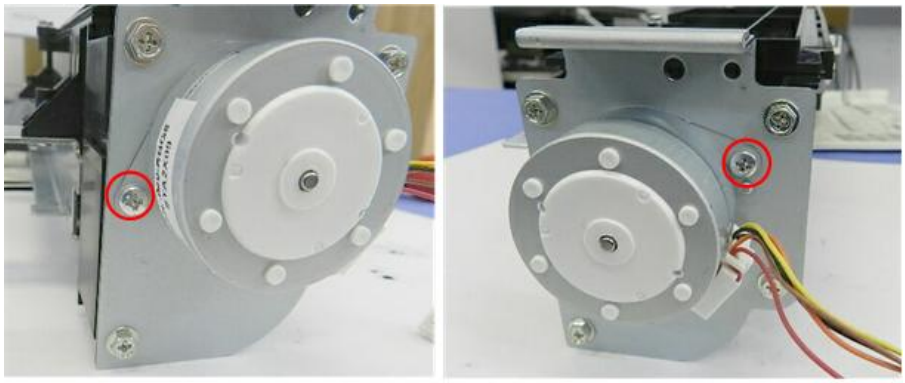
d1792809

Toner Agitator Motor

1. Remove the toner supply unit (Toner Supply Unit)
2. The toner agitator motor is on the right end of the unit.

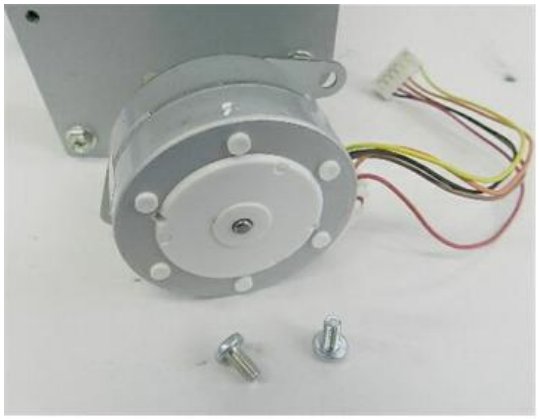
d1792810

3. Disconnect the motor (x2).



d1792811

4. Separate the motor from the bracket.



d1792812

Toner Bank

Two toner bottles on separate cradles comprise the toner bank. Each cradle contains:

- Toner bottle
- Toner bottle set sensor
- Toner bottle motor
- Toner bottle cap motor
- Toner bottle cap sensor

①	Toner bottle motor (rear view)
②	Bottle cap sensor
③	Bottle cap motor (top view)
④	Bottle set sensor (bottom view)

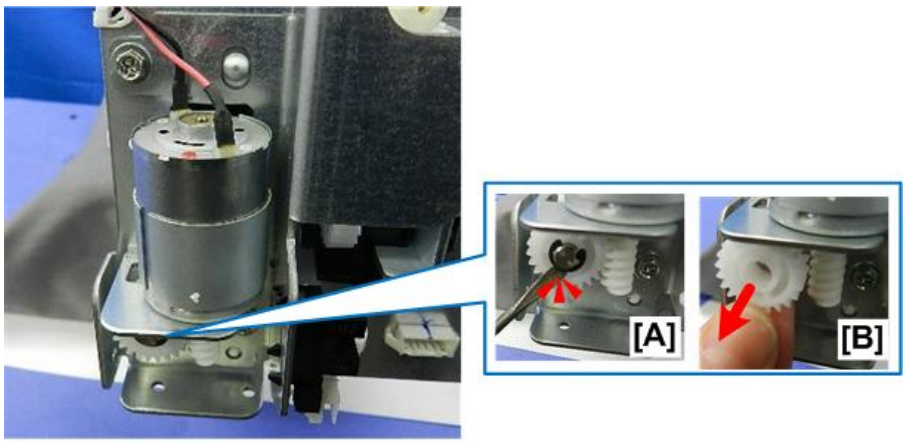
d1792820

Before you begin:

- Each toner bottle is on a separate cradle where it rotates on a spiral groove to feed toner into the toner supply unit at the rear.
- Each cradle has two motors and two sensors.
- The removal of each motor and sensor is described once. The procedure for each bottle cradle is the same.

Toner Bottle Motor

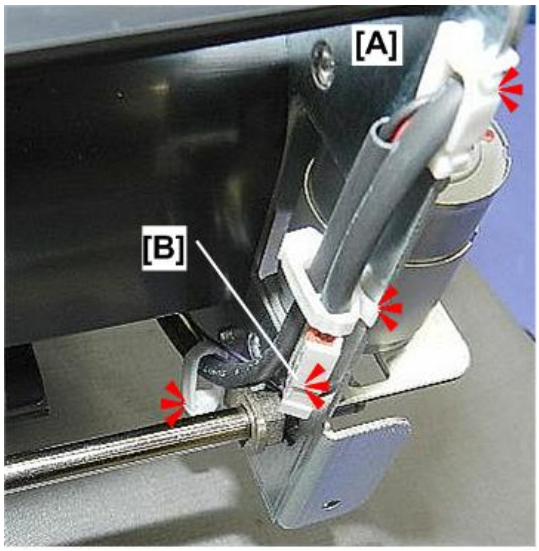
1. Remove the toner bottle cradles (Toner Supply Unit)
2. Remove gear [A] (x1).
3. Remove gear [B].



d1792821

4. Free harness [A] (x3).

5. Disconnect the motor at [B] (x1).

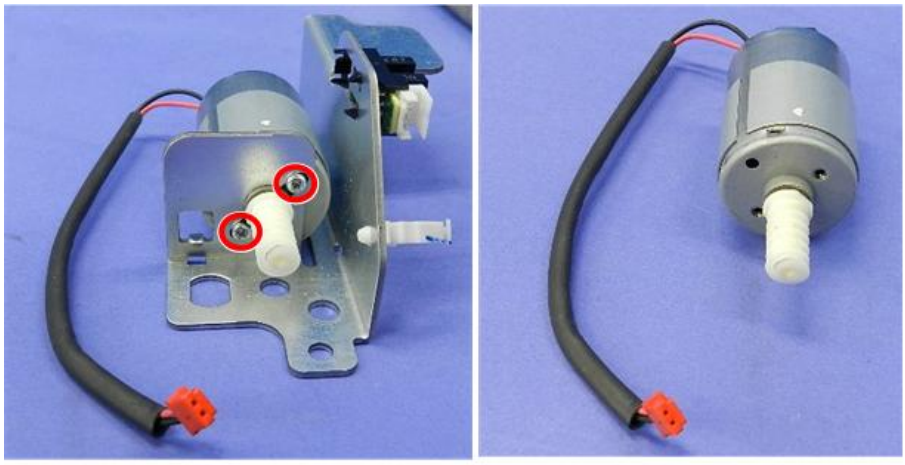


d1792822

6. Remove the motor bracket (with motor attached) (x2).

d1792823

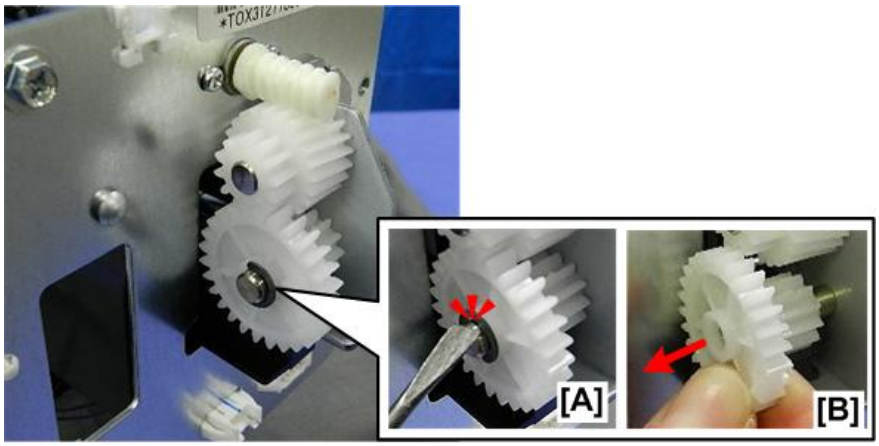
7. Separate the motor from the bracket (x2).



d1792824

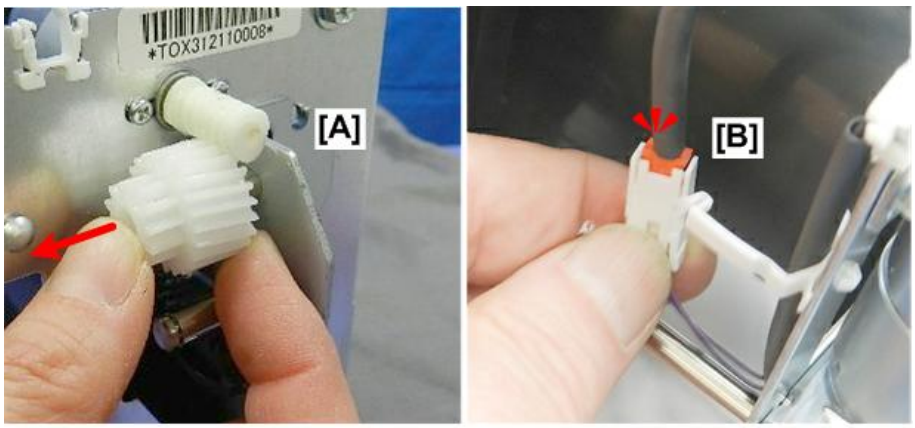
Toner Bottle Cap Motor

1. Remove the toner bottle cradles (Toner Supply Unit)
2. Remove the toner bottle motor bracket
3. Remove gear [A] (x1).
4. Remove gear [B].



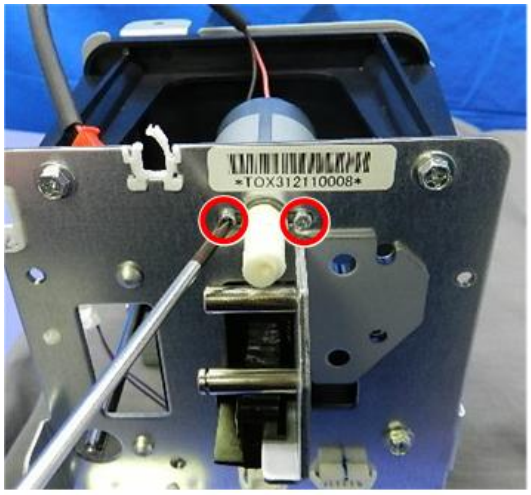
d1792825

5. Remove gear [A].
6. Disconnect the motor at [B] (x1).



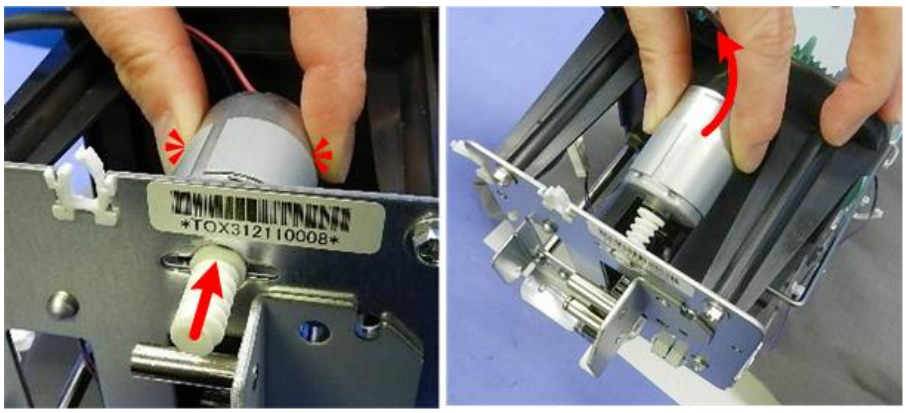
d1792826

7. Disconnect the motor (x2).



d1792827

8. Pull the motor to the front as far as possible, then twist it up slightly to remove it.



d1792828

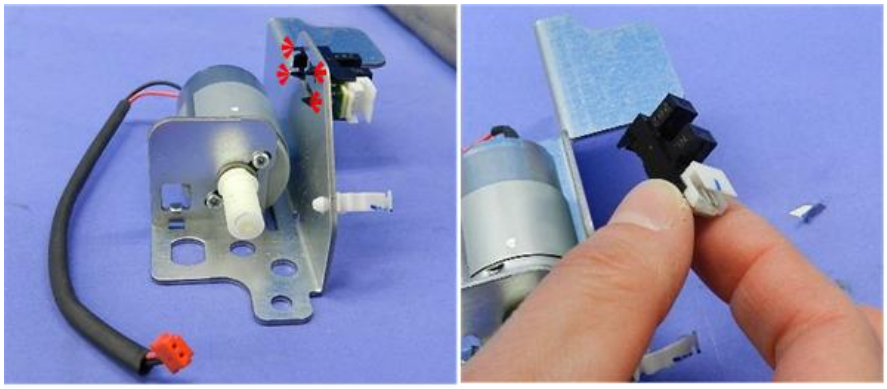
9. Lay the motor on a flat clean surface.

d1792829

Toner Supply Sensors

Toner Bottle Cap Sensor

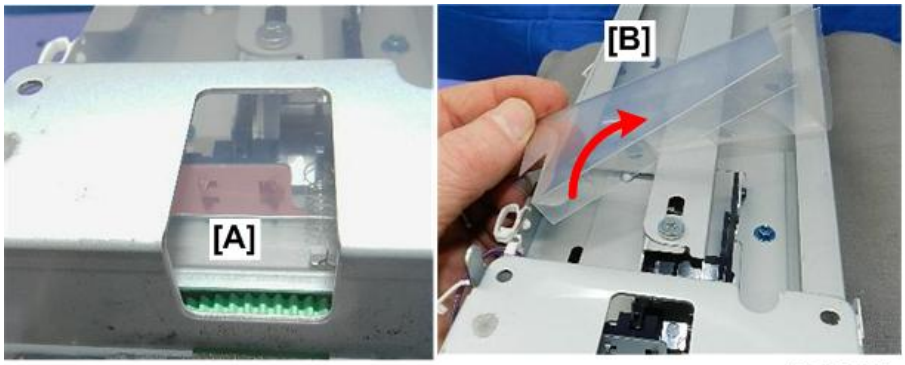
1. Remove the toner bottle cradles (Toner Supply Unit)
2. Remove the toner bottle motor bracket
3. The bottle cap sensor is attached to the bracket of the toner bottle motor.
4. Remove the sensor (x4).



d1792830

Toner Bottle Set Sensor

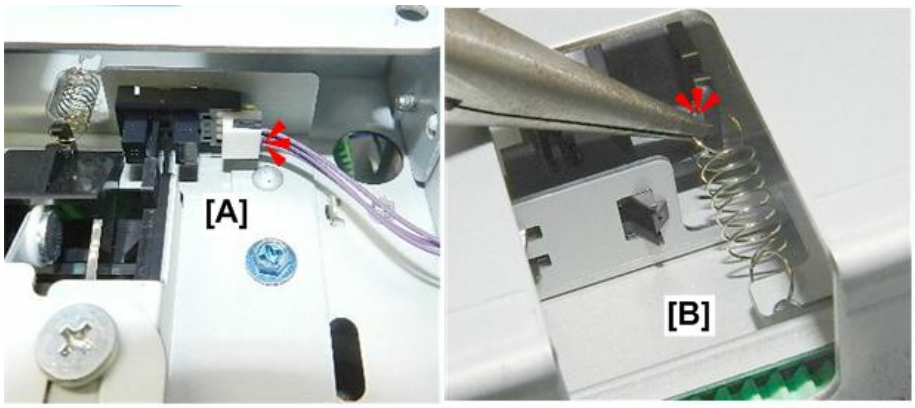
1. Remove the toner bottle cradle
2. Turn the cradle upside down.
3. You can see the set sensor [A] behind the plastic sheet.
4. Pull out the plastic sheet [B] to uncover the sensor.



d1792831

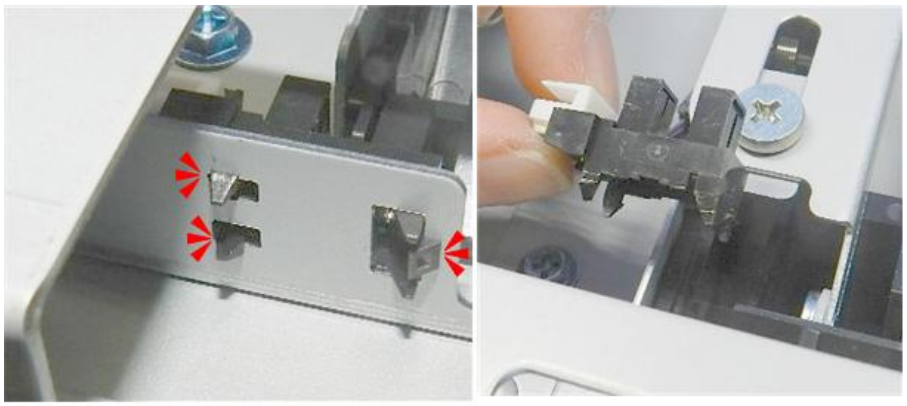
5. At the front, disconnect the sensor [A] (x1).

6. At the rear, remove the spring [B] (x1).



d1792832

7. At the rear, remove the sensor (x3).



d1792833

Around the Drum

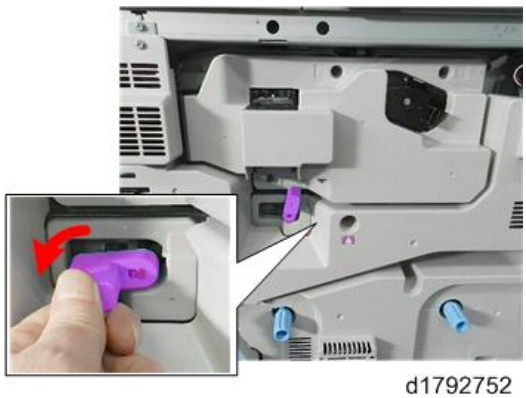
PCDU Disassembly for Replacement

PCDU Removal

1. Remove the front edge cover (x1). (Front Edge Cover)
2. The PCDU is on the upper right.

d1792900

3. Lower the ITB knob.



d1792752

CAUTION

- Now you must remove the charge corona unit.
- Never attempt to pull out the PCDU with the charge corona unit in the machine.
- Pulling out the PCDU without removing the charge corona unit will damage the cleaning pad HP sensor and its harness.

4. Press the tab [A] to release the charge corona unit.

5. Pull the charge corona unit [B] out of the machine.

d1792902

6. Lay the charge corona unit on a flat clean surface.

Important

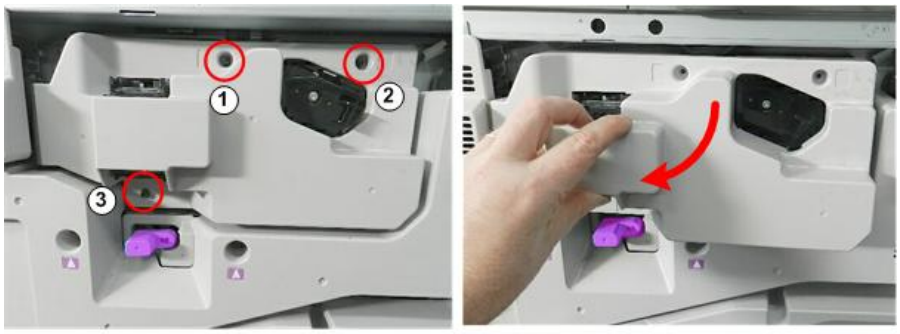
- Always lay the charge corona unit down with the grid facing up. This prevents damage to the grid wires.

d1792903

7. Remove the PCDU cover (x3).

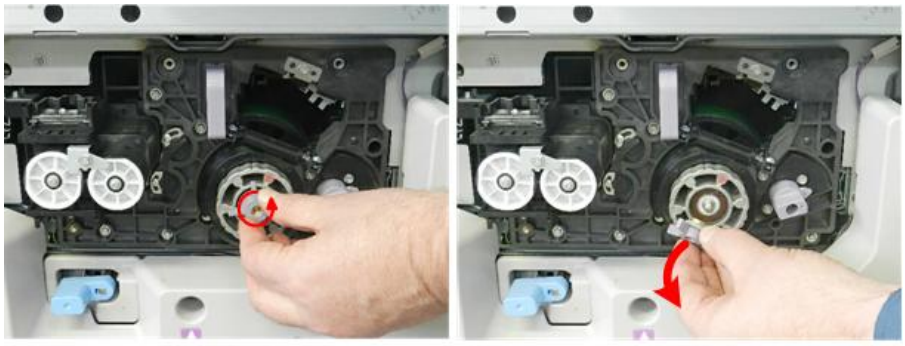
Important

- You can remove the screws in any order, but you should re-attach them in the order ① ② ③.



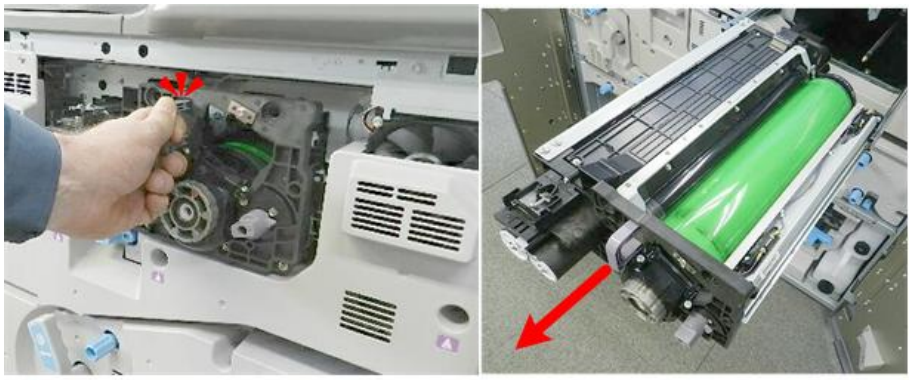
d1792753

8. Turn the spoke cap counter-clockwise and then remove it.



d1792905

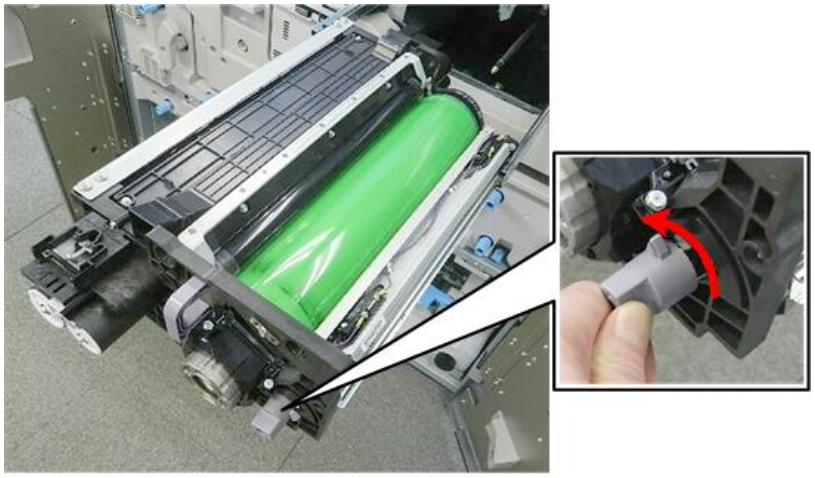
9. Grip the PCDU by its handle, and then pull it out of the machine until it stops.



d1792906

Drum Cleaning Unit

1. With the PCDU out of the machine, twist the knob counter-clockwise to unlock the drum cleaning unit.

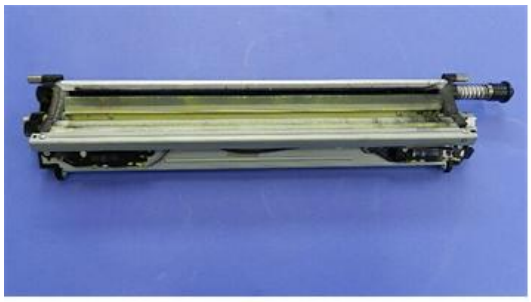


d1792907

2. Grip the drum cleaning unit in the center, and then lift it up and around the drum as you pull it out.

d1792908

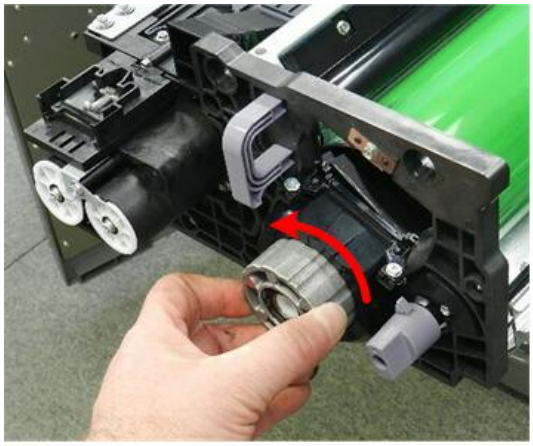
3. Lay the drum cleaning unit on a flat clean surface.



d1792909

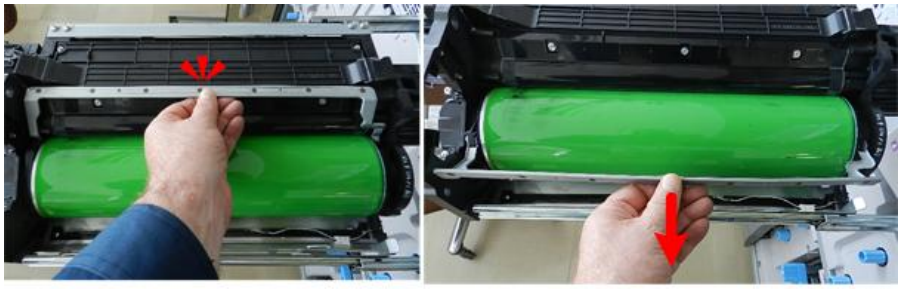
Drum

1. Remove the drum cleaning unit (Drum Cleaning Unit)
2. With the drum cleaning unit pulled out, twist the knob counter-clockwise to unlock the drum.



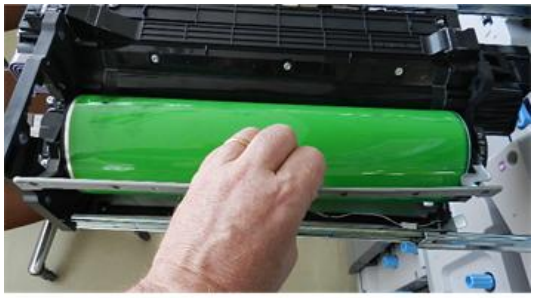
d1792910

3. Rotate the lock handle toward you to release the drum.



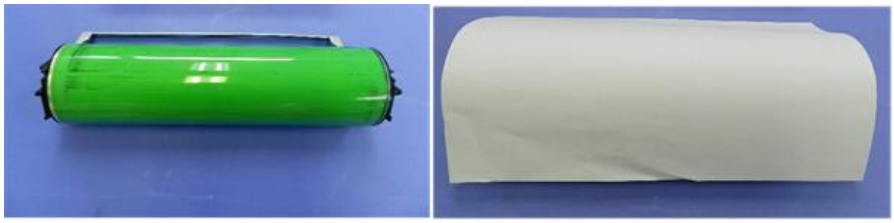
d1792911

4. Pull the drum toward you at a slight angle to remove it.



d1792912

5. Lay the drum on a flat clean surface.
6. Cover the drum with a piece of paper to protect it from the light.



d1792913

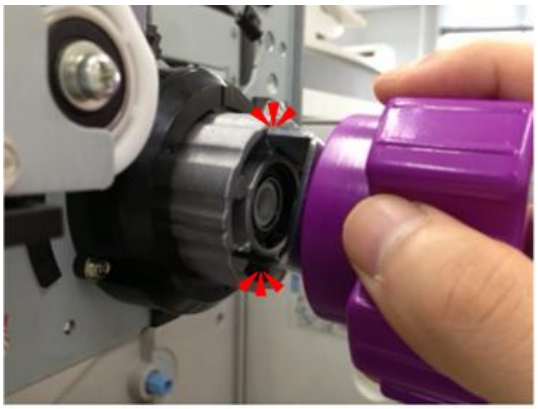
Re-installation

Be sure to use the new drum knob fastening tool when you re-install the drum.

Important

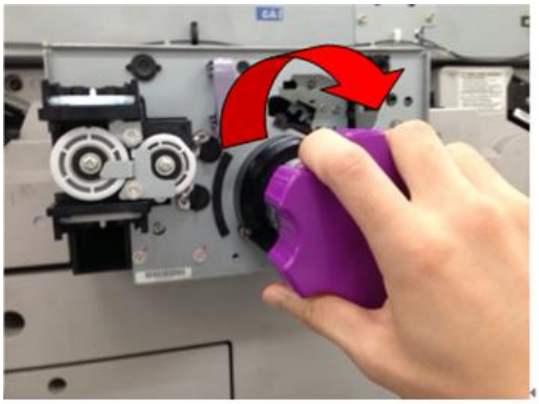
- If the knob is not fastened completely, this can cause the developer/toner mixture to collect on the magnetic roller and scratch the drum.
- When you install the drum and fasten the drum knob with this tool, the drum cleaning unit should not be installed on the PCDU.
- If the drum knob is loosened with the drum cleaning unit installed, be sure to remove the drum cleaning unit, and then fasten the knob.
- Fastening the drum knob with the drum cleaning unit installed will cause the drum cleaning unit to apply pressure to the drum and narrow the gap at the front side.

1. Press gently to insert the tabs into the knob.



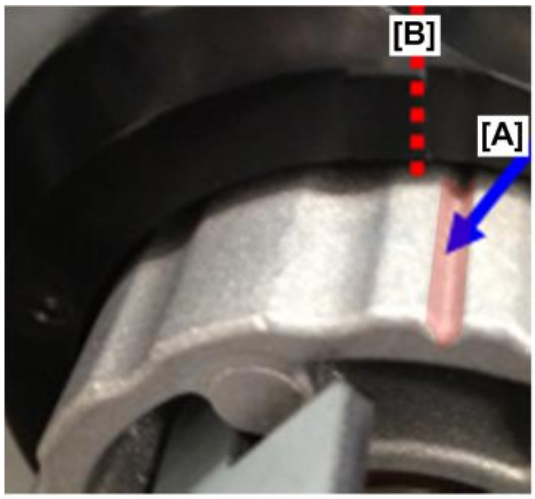
d179b4032

2. Twist the drum knob clockwise until the tool runs idle.



d179b4033

3. Check the drum knob position. The groove [A] should be slightly to the right of the vertical reference line [B] in the photo.

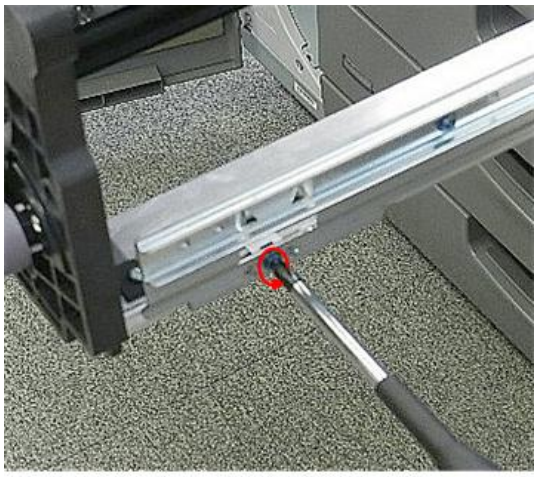


d179b4034

Development Unit

1. Remove the PCDU. (PCDU Removal)

2. With the drum and cleaning unit out, remove the lock plate near the front of the right rail (x1).



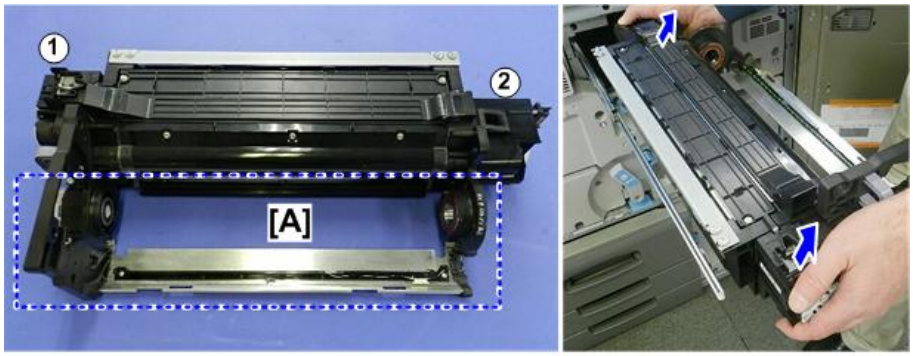
d1792914

3. Grip the unit on both ends, and then lift it off both rails.

The drum cradle [A] is fragile and can easily be bent out of alignment.

Important

Never touch any part of the frame [A] when you lift the development unit off its rails. Grip both ends of the unit at the orange tabs ① and ②, and then lift the development unit off the rails



d270b2915

4. Lay the unit on a flat clean surface.

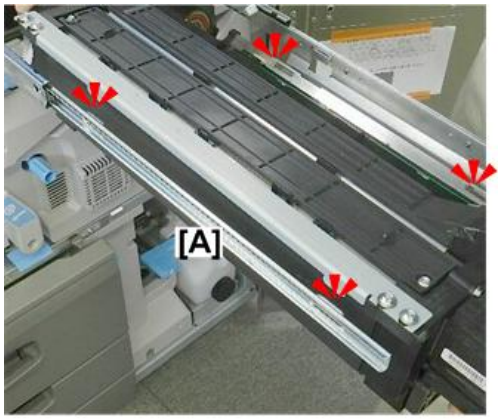
d1792916

Drum Cleaning Unit, Drum, PCDU Re-installation

1. Align the tabs of the PCDU frame with the holes [A] on the left rail.

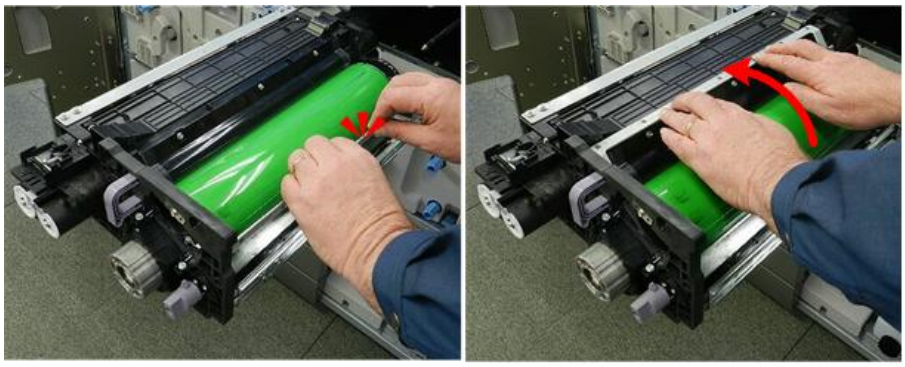
Important

Be sure to hold the unit with both hands to avoid twisting it.



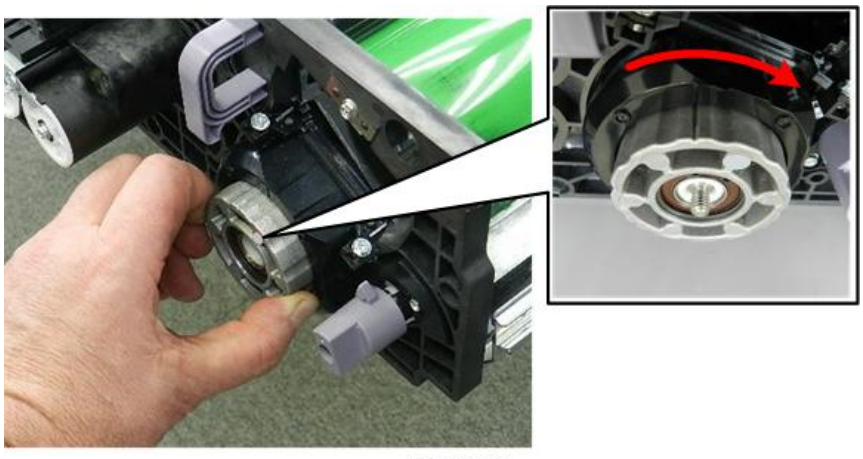
d1792917

2. Do not forget to re-attach the lock plate to the left rail (x1).
3. Set the drum, and then rotate the handle to the left. This aligns the drum in its cradle for re-installation of the drum cleaning unit.



d1792918

4. To lock the drum, rotate the knob clockwise until it stops.



d1792919a

Note

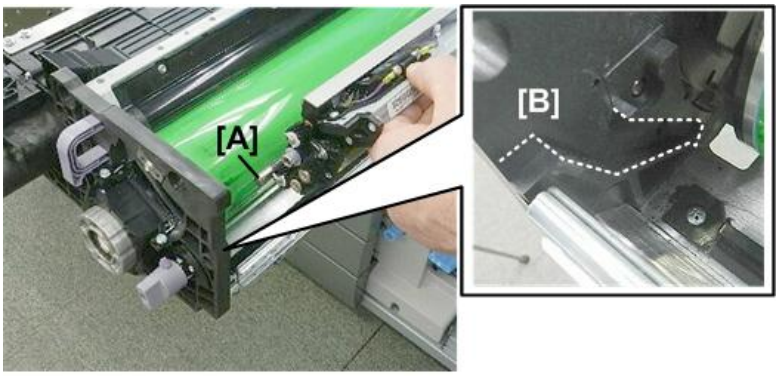
The drum must be securely locked in place before the drum cleaning unit is re-installed.

5. Use the drum knob tool to tighten the drum. (Special Tools and Lubricants)
6. Check the drum knob position. The groove [A] should be slightly to the right of the vertical reference line

[B] in the photo.

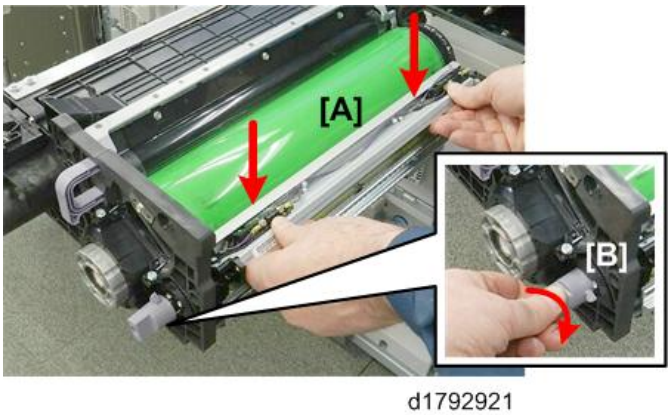
d179b4041

7. To re-install the drum cleaning unit, align the pin [A] with the guide on the inside surface of the cover at [B].



d1792920

8. Lower the drum cleaning unit [A], and then make sure that it is straight, against the surface of the drum.
9. Turn the knob [B] clockwise to lock the drum cleaning unit in position.
10. Re-attach the spoke knob.



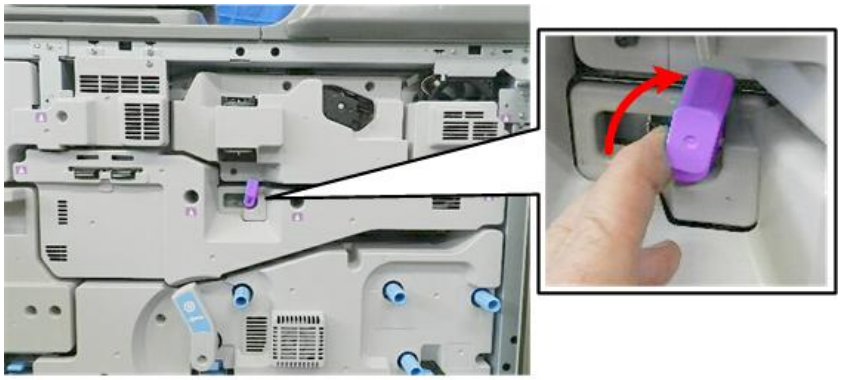
d1792921

11. Align the charge unit on its left plate and rail [A] before you push it into the machine.

12. Push the charge unit [B] into the machine until you hear it click and lock.

d1792923

13. Raise the ITB lever. **The door will not close if this lever is down**.



d1792924

Drum Replacement

Drum Removal

1. Turn off the machine and disconnect its power plug.
2. Pull out the PCDU (PCDU Removal)
3. Remove: (PCDU Disassembly for Replacement)
   - Drum cleaning unit
   - Drum

Installing a New Drum

1. Stand the old drum on its end with the drive gear (larger hole) up.
2. Disconnect the drum (x1).

Note

- You need to remove only one screw.

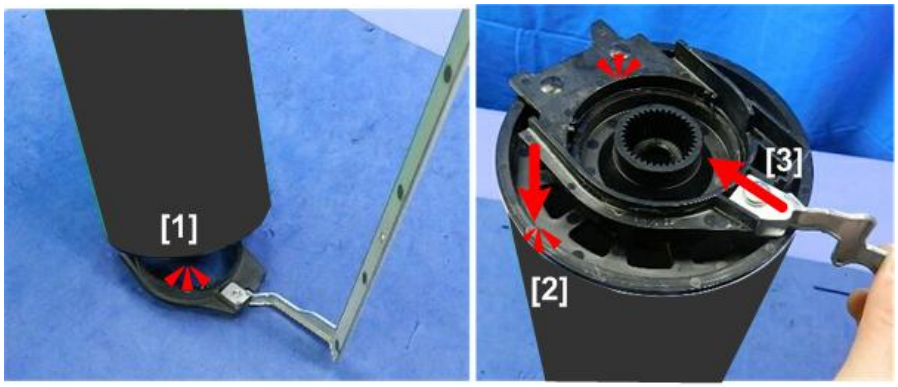
d1792929

3. While holding the frame steady, depress the drum slightly and separate it from the frame.

Important

- Always hold the drum steady by gripping it at the drum gear.
- Never touch the surface of the drum.

4. With its protective cover on, set the rear end of the new drum in the frame [1].
5. While pressing down slightly on the drum [2], move the frame bracket [3] over the front of the drum.



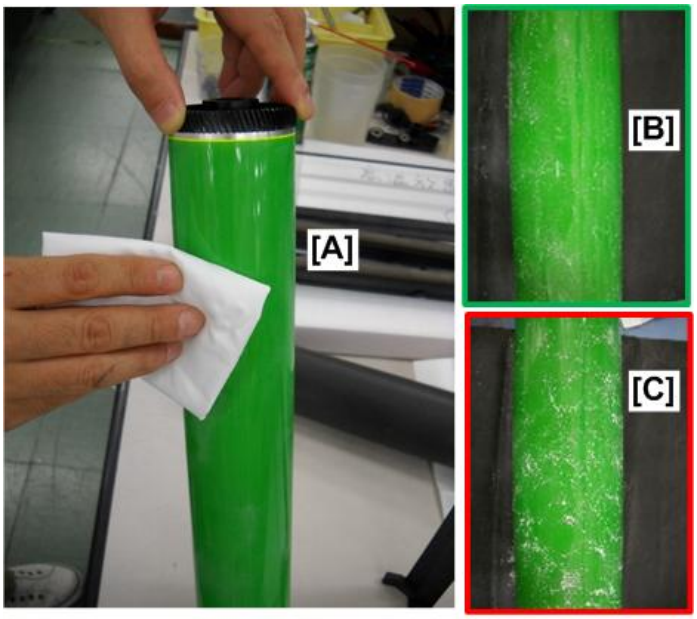
d1792932

6. Re-attach the screws (x2).

7. Remove the protective sheet from the new drum.

d1792930

8. While holding the drum upright by the drive gear, use the resin pad to dust the drum lightly about half way around the drum.
9. Do not apply too much powder to half the drum.
   - [B] shows the correct amount of powder.
   - [C] shows too much powder on the drum.
   - Remove excess powder with a clean dry cloth.

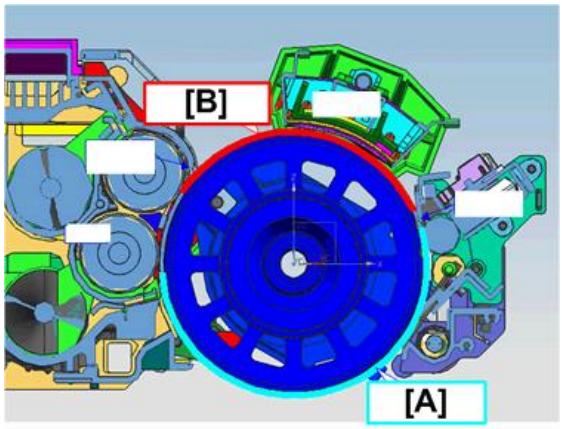


d1792931

10. Inspect the surface of the dusted drum and make sure that there are no scratches, dirt, etc. on the surface.
11. Set the drum with the dusted side [A] down with the bare side [B] up to prevent setting powder from collecting at the seal.

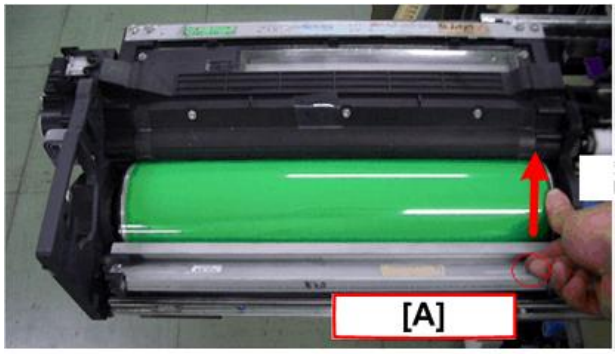
Important

- If there is setting powder around the seal, this could cause vertical lines to appear in copies.



d1802906

12. Re-attach the drum cleaning unit.
13. While pressing lightly on the cleaning unit [A], rotate the drum about one-half turn in the direction of the arrow.



d1802907

After Drum Replacement

1. After re-assembling the machine, open the left and front doors.
2. Turn the machine on.
3. Enter the operator adjust mode.
4. In the operator adjust mode, touch [**0515 Reset Replaceable Parts Counter**], and then reset the counter to zero.
5. Leave the operator adjust mode

Note

- For Steps 3, 4, 5 you can enter the SP mode, open SP7622-018 to set the counter to zero, and then leave the SP mode.

6. Close the left and right front doors.
7. Process control executes automatically.
8. After process control executes, the operation panel will display “Ready”.
   - If process control fails, you will see “Fail” appear on the operation panel, and then the machine will issue an SC code.
   - Do the procedure recommended to resolve the problem that triggered the SC code.

- You must then execute SP3011-002 to execute process control manually because it will not execute again automatically.

9. This completes the procedure.

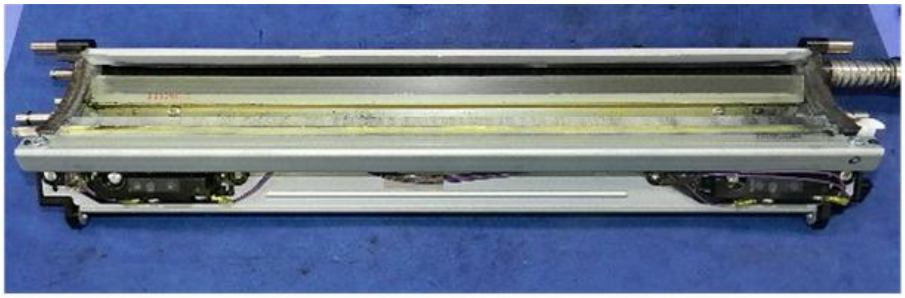
Important

- If you used the SP mode, enter the SP mode, and then do SP3012-001 to confirm that process control executed successfully.

Drum Cleaning Unit

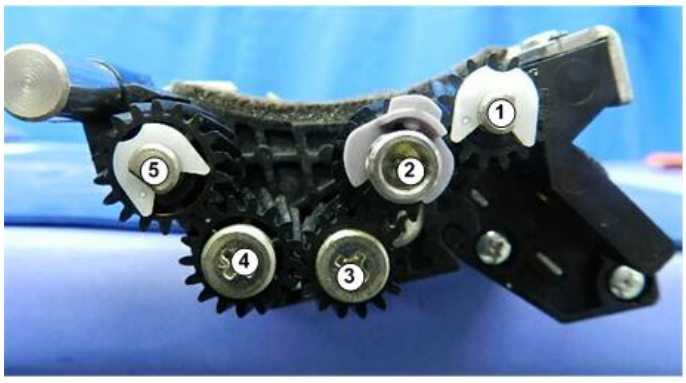
Drum Cleaning Unit Gears

1. Remove the drum cleaning unit. (Drum Cleaning Unit)
2. Set the drum cleaning unit on a flat clean surface.



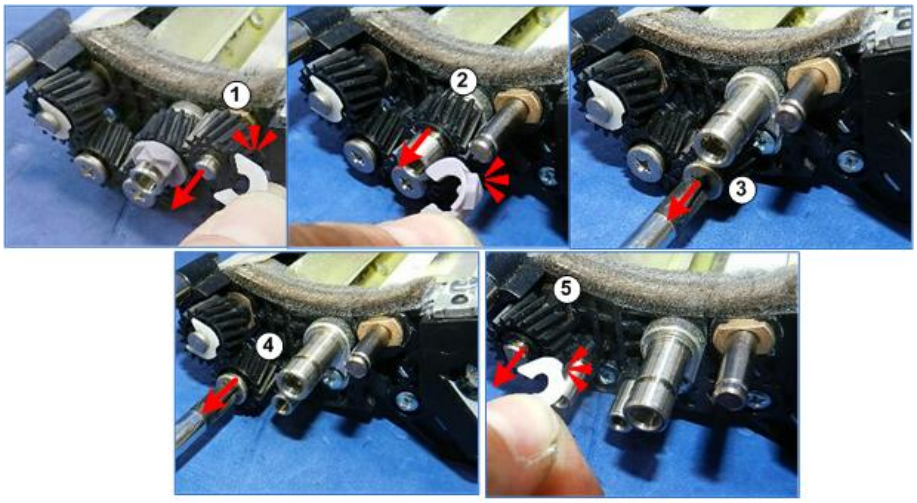
d1792934

3. First, remove the five gears on the front end of the cleaning unit. Three gears are fastened by snap clips, and two by large screws.



d1792935

4. Remove gears:
   ① x1
   ② x1
   ③ x1
   ④ x1
   ⑤ x1



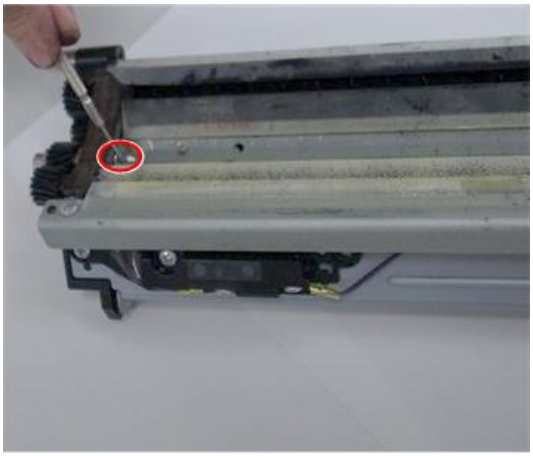
d1792936

Drum Cleaning Blade

1. At the rear, remove screw [A] (x1).
2. Remove pin [B].

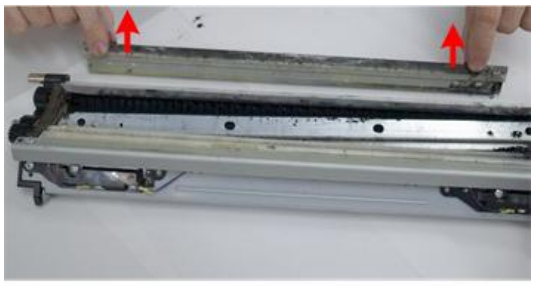
d1802911

3. At the front, remove the snap ring (x1).



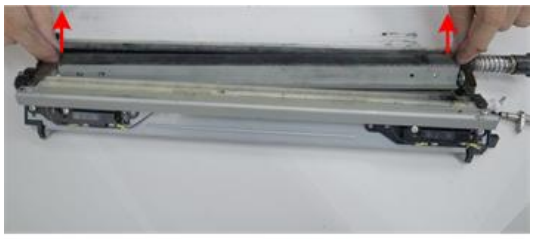
d1802912

4. Remove the lubricant blade.



d1802913

5. Remove the cleaning blade.



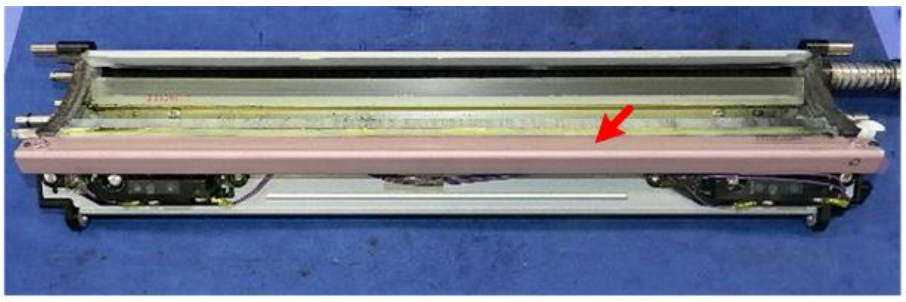
d1802914

Drum Lubricant Blade

Important

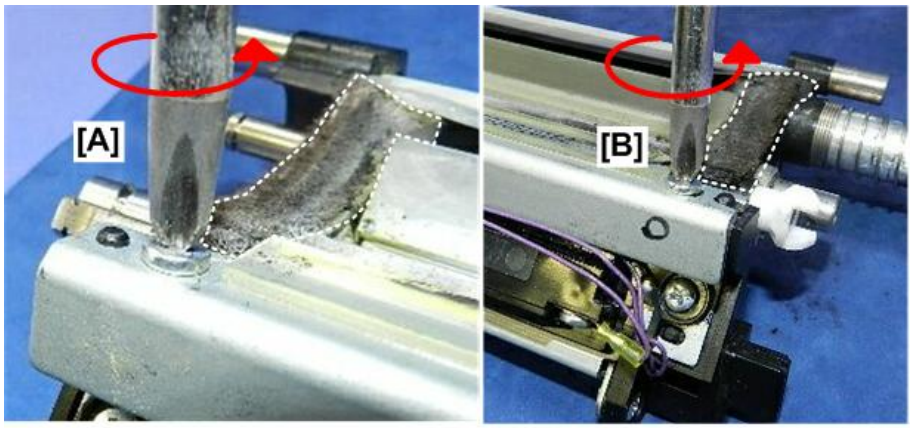
- The lubricant blade, lubricant bar, lubricant roller (brush roller), and lubricant roller coupling are replaced together.

1. The lubricant blade is on the right edge of the unit.



d1792940

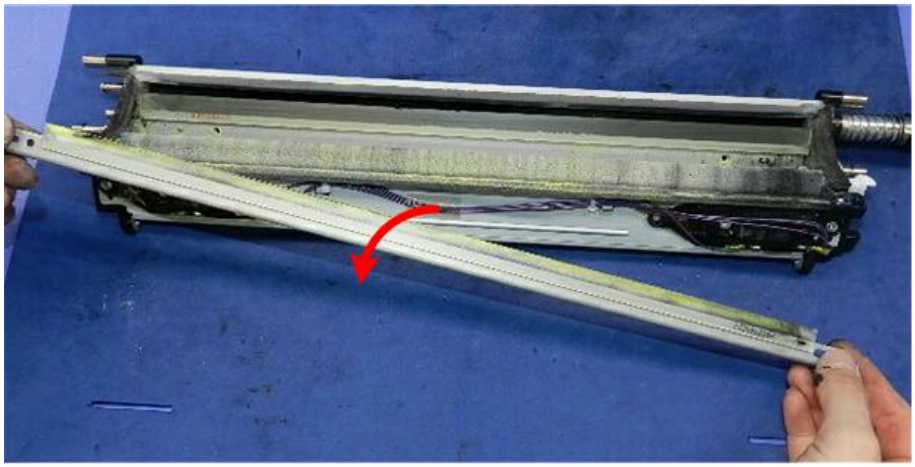
2. Disconnect the blade at [A] and [B] (x2)



d1792941

Important

- The white dotted lines in the photo mark the sponge seals.
- Work carefully around the edges of these sponge seals to avoid damaging them when removing and installing the blade.
- These seals are not service parts and they cannot be replaced.



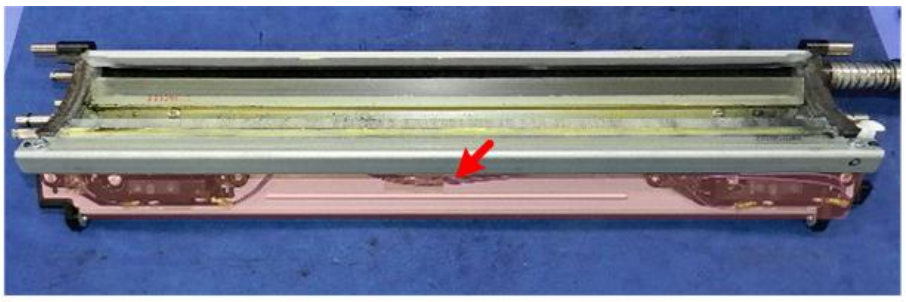
d1792942

Drum Lubricant Bar

Important

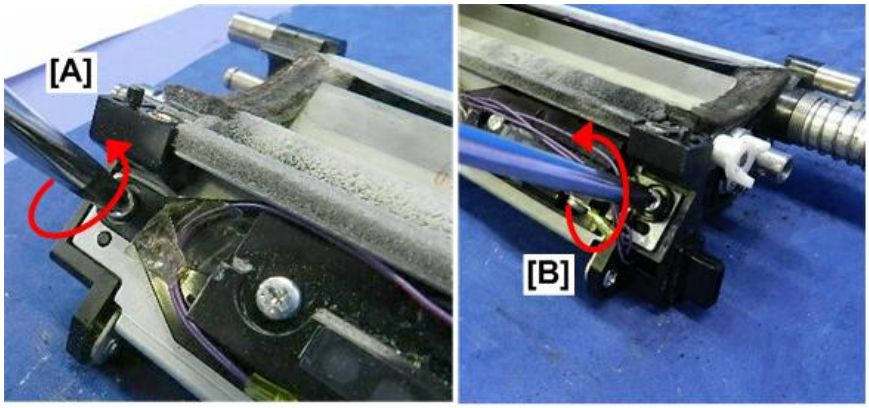
- The lubricant blade, lubricant bar, lubricant roller (brush roller), and lubricant roller coupling are replaced together.
- The lubricant bar must be removed before the lubricant roller, and then re-installed after the lubrication roller.

1. The lubricant bar is behind the bracket of the lubricant near-end sensors (these sensors are not removed).



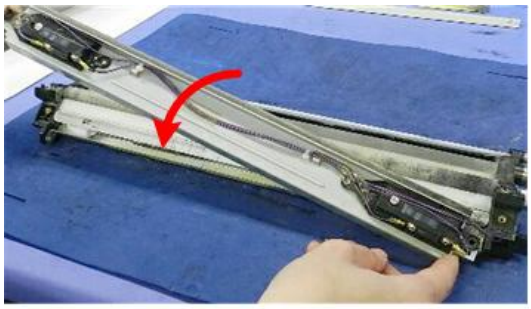
d1792943

2. Disconnect the bracket at [A] and [B] (x2).



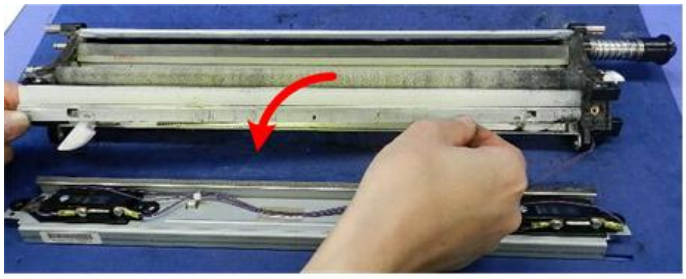
d1792944

3. Remove the bracket (with harnesses attached).



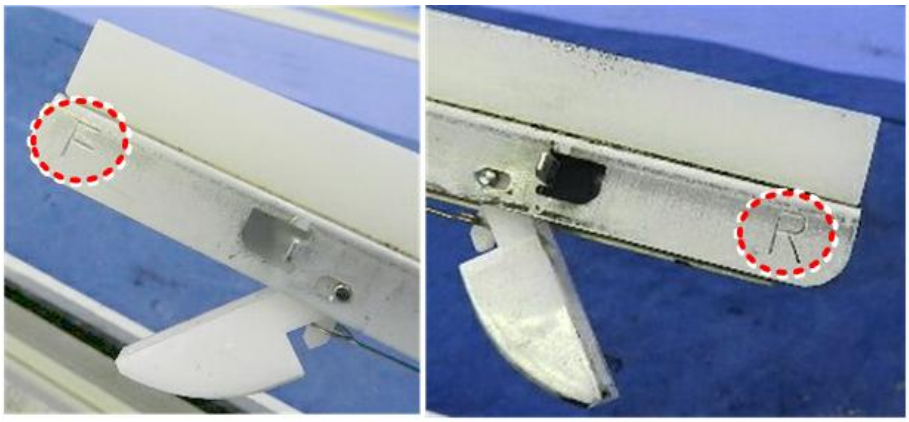
d1792945

4. Remove the bar and place it flat on the table.



d1792946

5. Note that the ends of the bar bracket are marked "F" (Front) and "R" (Rear).



d1792947

6. Disconnect the springs [A] and [B] (x2).

d1792948

Important

- Do not discard these springs. They are not provided as service parts and must be re-attached to the new lubricant bar.

Drum Lubricant Roller

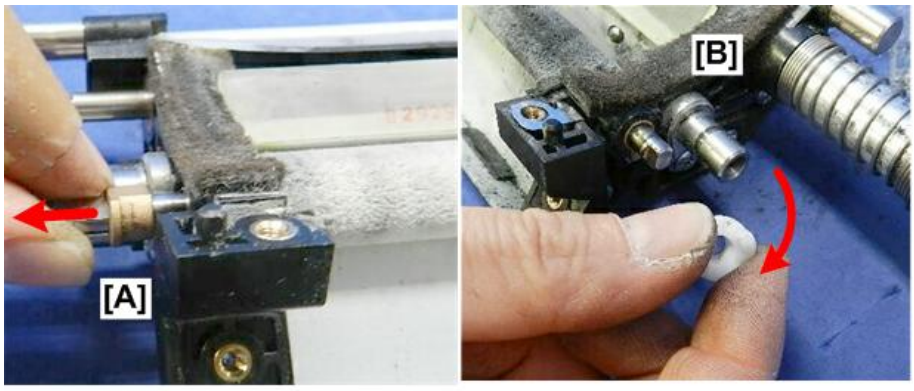
Important

- The lubricant blade, lubricant bar, lubricant roller (brush roller), and lubricant roller coupling are replaced together.
- The lubricant bar must be removed before the lubricant roller, and then re-installed after the lubrication roller.

1. Remove the drum cleaning unit.
2. Remove the drive gears.
3. Disconnect the ends of the roller shaft:

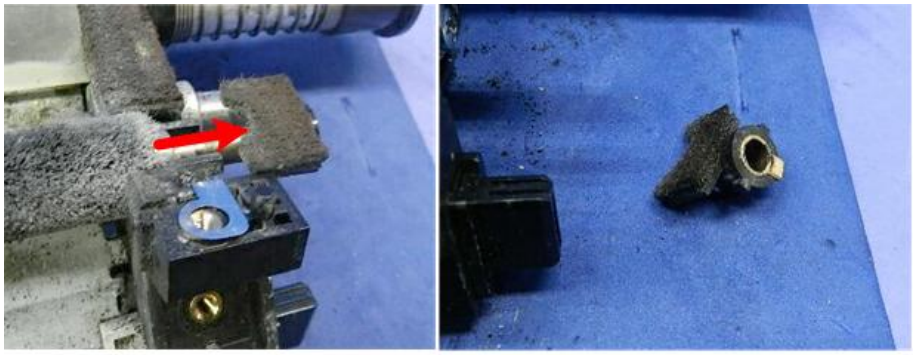
   [A] Bushing (x1)

   [B] Coupling (x1)



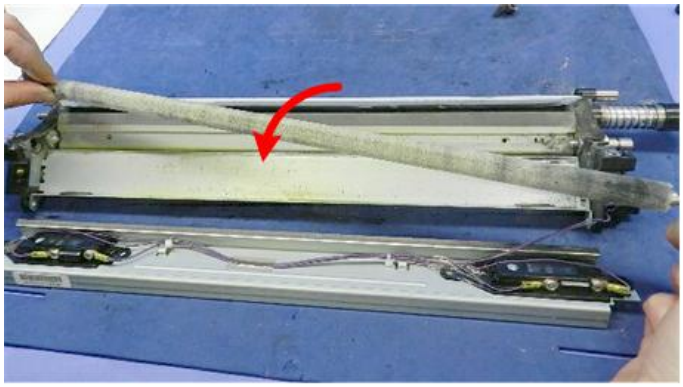
d1792949

4. Remove the seal coupling.



d1792950

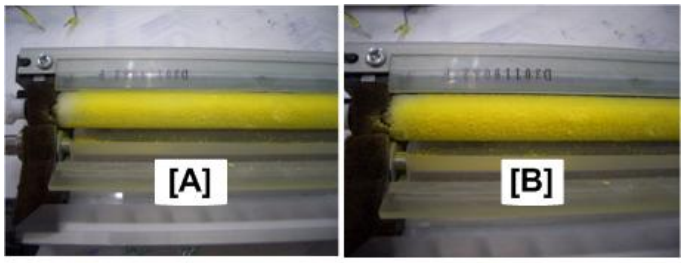
5. Remove the roller.



d1792951

Re-installation

1. Before reassembling the unit, apply a 1:1 mixture of yellow toner and setting powder to the brush roller.
2. [A] shows the minimum amount that should be applied, and [B] the maximum amount.



d1802908

After Replacement

1. After re-assembling the machine, open the left and front doors.
2. Turn the machine on.
3. Enter the SP mode, and then do SP7622-006 to 011 to reset the counters.

Drum Cleaning Unit Service Parts Lubrication Summary

The service parts of the drum cleaning unit are lubricated at the factory before shipping, so they require no further lubrication at installation.

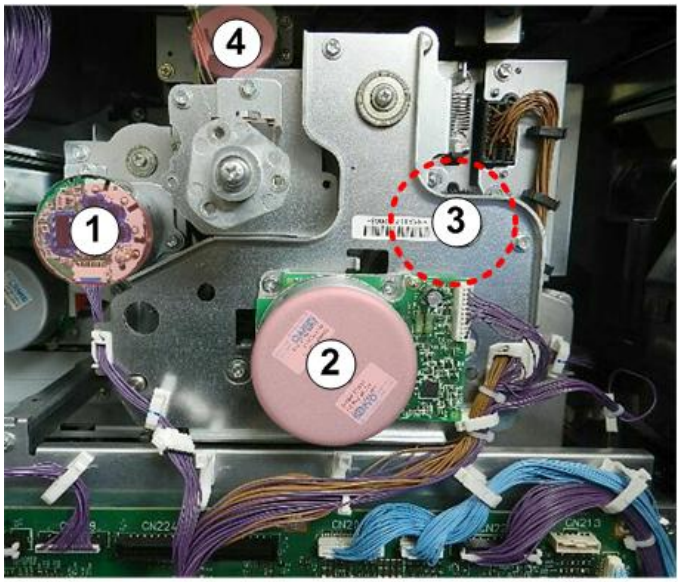
Service Part	Comments
Cleaning blade	Pre-lubricated at the factory with setting powder (zinc stearate). A new cleaning blade requires no lubrication.
Lubricant (brush) roller	Requires application of setting powder and yellow toner when the lubricant brush roller and cleaning blade are replaced.
Lubricant bar	Requires no lubrication.
Lubricant blade	Pre-lubricated at the factory with setting powder (zinc stearate). A new lubricant blade requires no lubrication.

Note

- The lubricant roller, lubricant bar, and lubricant blade are always replaced together as a set.

Drum Motors

①	Drum Cleaning Moor
②	Drum Motor
③	Development Motor (inside motor casement)
④	Cleaning Pad Motor (for Charge Corona Unit)



d1792953

Drum Motor

1. Open the controller box (Opening the Controller Box)

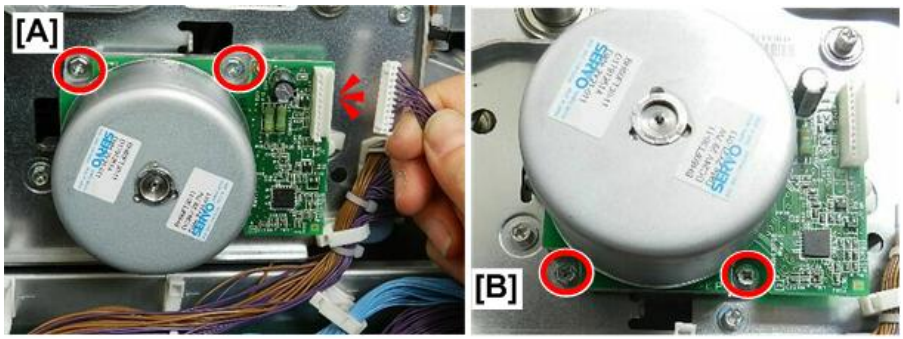
2. Remove the flywheel (x3).

d1792952

3. Disconnect the motor:

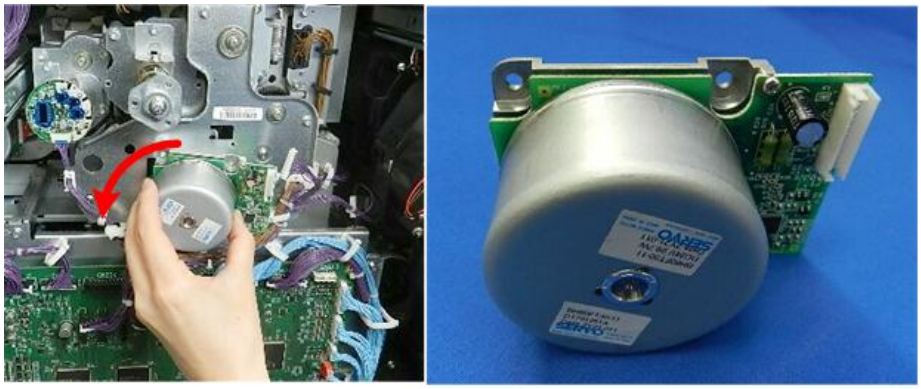
[A] Top (x1, x2)

[B] Bottom (x2)



d1792954

4. Remove the motor.



d1792955

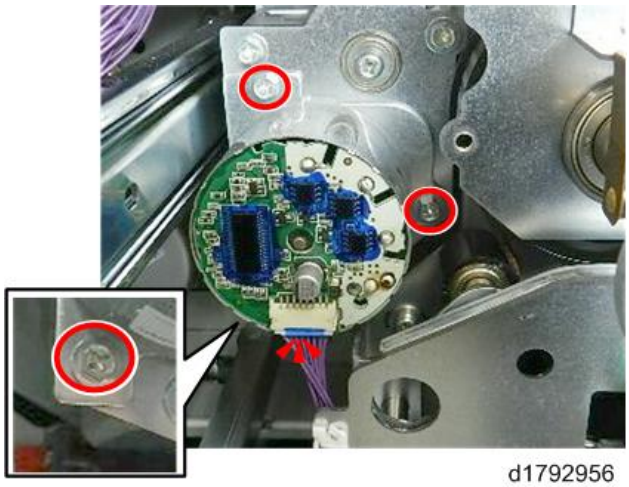
Drum Cleaning Motor

1. Open the controller box (Opening the Controller Box)

2. Remove the flywheel (x3).

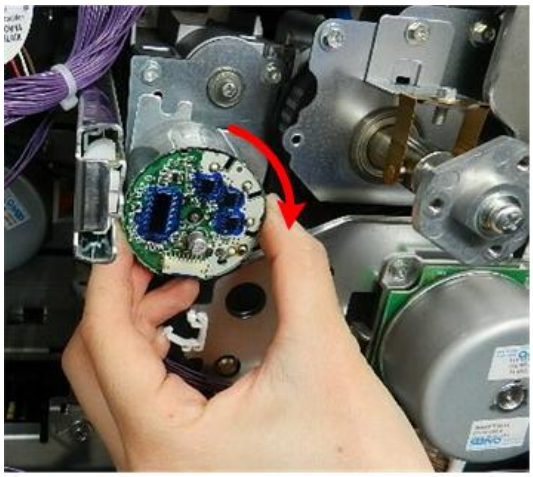
d1792952

3. Disconnect the motor bracket (x1, x3).



d1792956

4. Remove the motor.



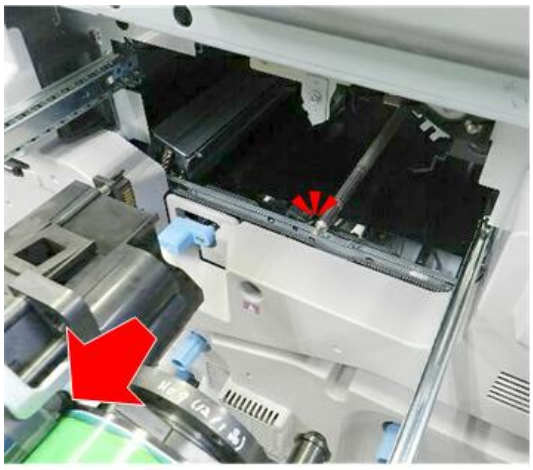
d1792957

5. Separate the motor and the bracket (x3).

d1792958

Development Motor

1. Open the controller box (Opening the Controller Box)
2. At the front, remove the cover and pull out the PCDU. This separates the drive shaft from the drum.

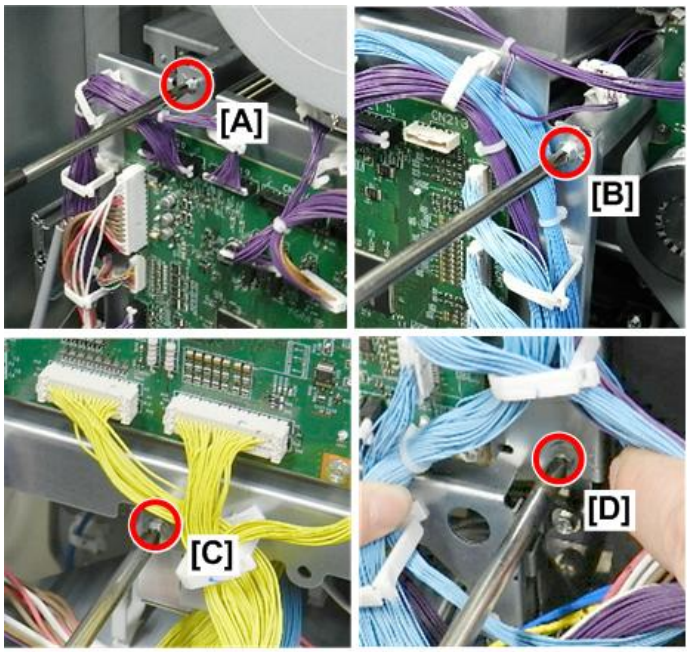


d1792959

3. Next, at the rear, disconnect the IOB (x2, x2).

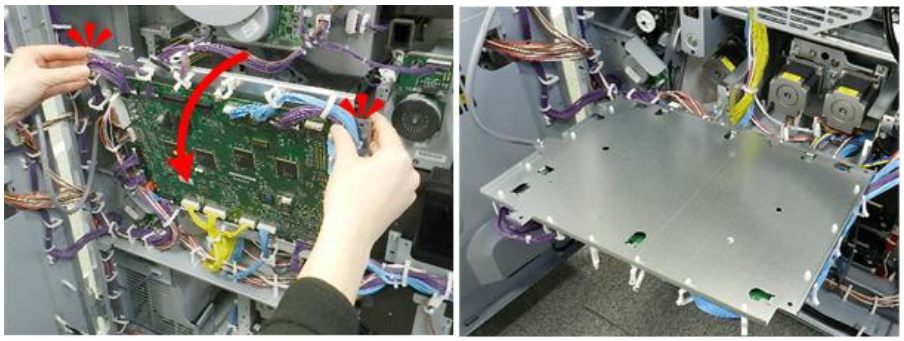
d1794006

4. Disconnect the IOB [A], [B], [C], [D] (x4).



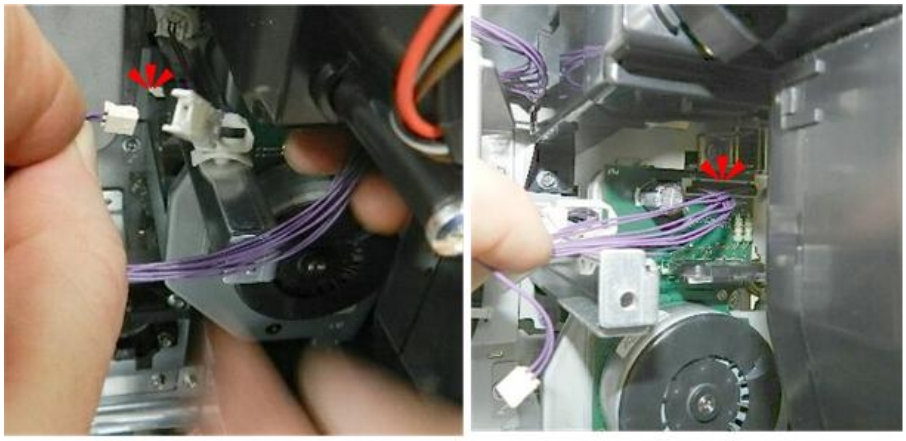
d1794008

5. Lower the IOB bracket (with PCB attached) until it stops.



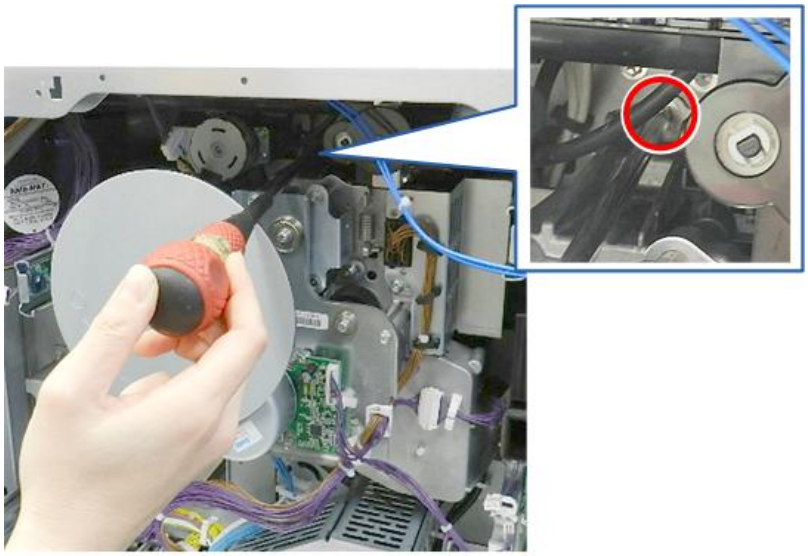
d1794009

6. To the right of the flywheel, disconnect two harnesses (x2).



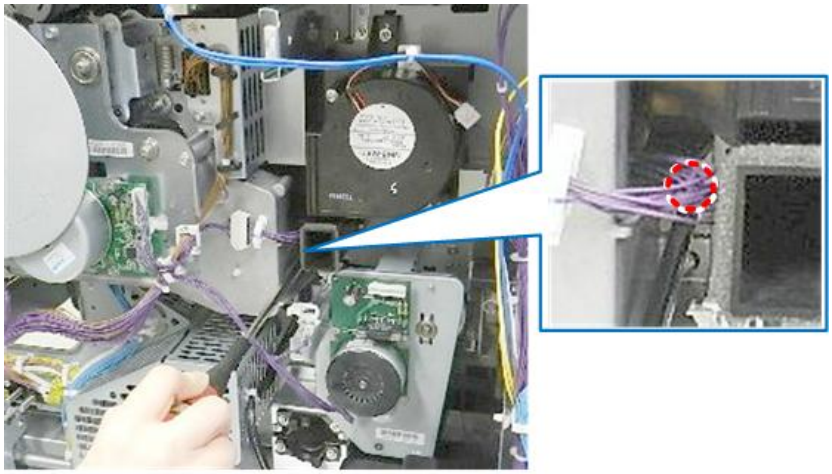
d1792960

7. Upper right (x1).



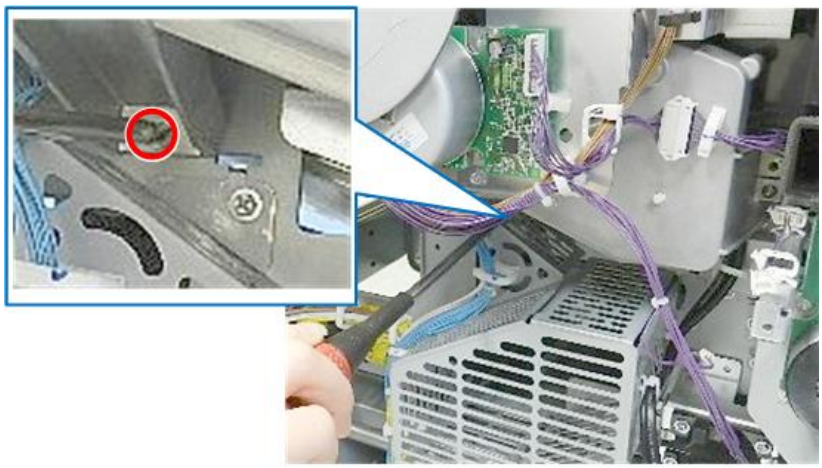
d1794011

8. Lower right (x1).



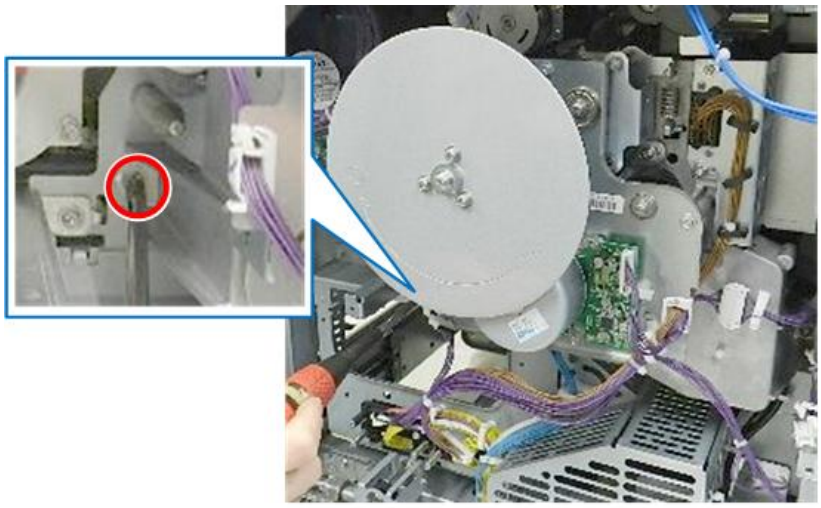
d1794012

9. Bottom (x1).



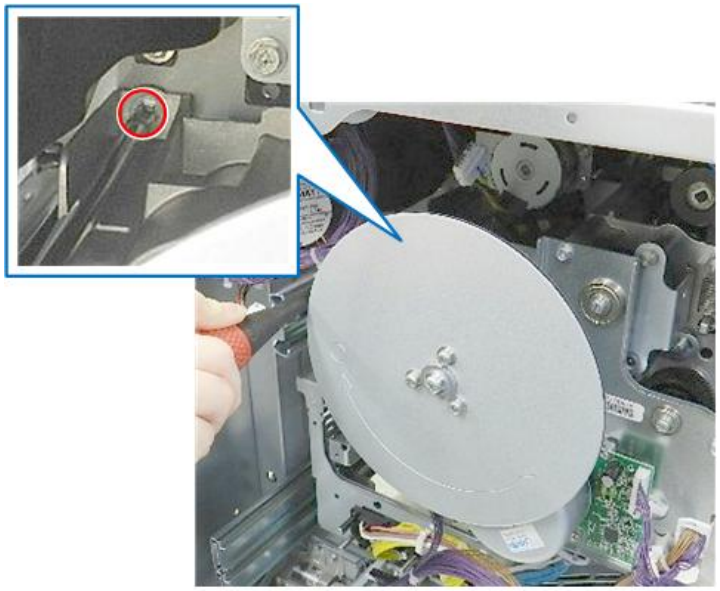
d1794013

10. Bottom left (x1).



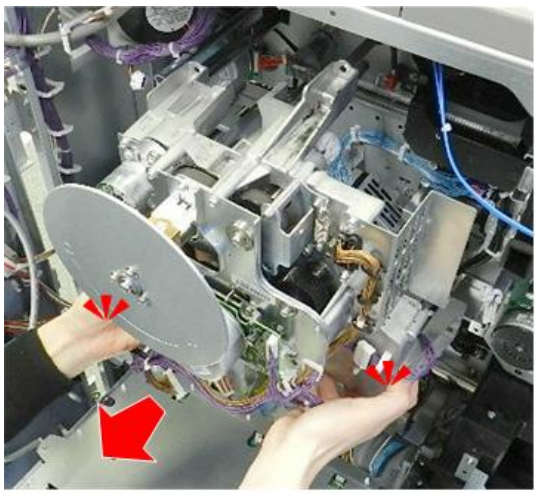
d1794014

11. Left (x1).



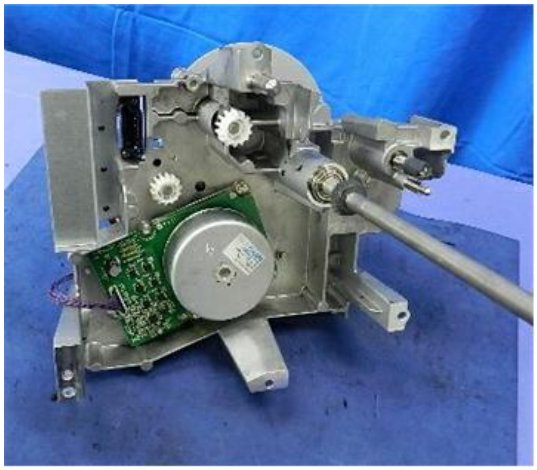
d1794015

12. Remove the main motor unit.



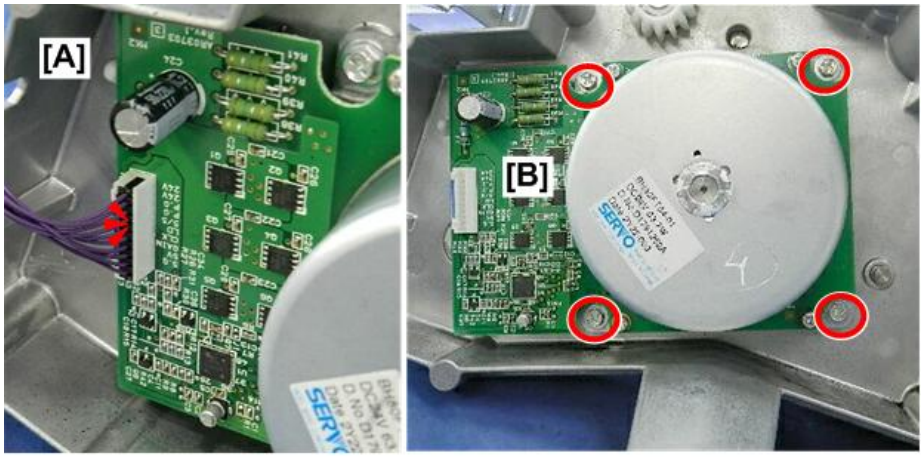
d1794016

13. Lay the motor mount on a flat, clean surface.



d1792961

14. Disconnect the motor drive board [A] (x1).
15. Disconnect the motor [B] (x4).



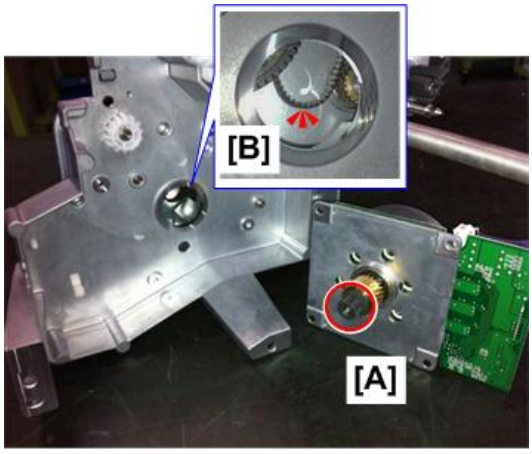
d1792962

16. Lay the motor and attached drive board on a flat clean surface.

d1792963

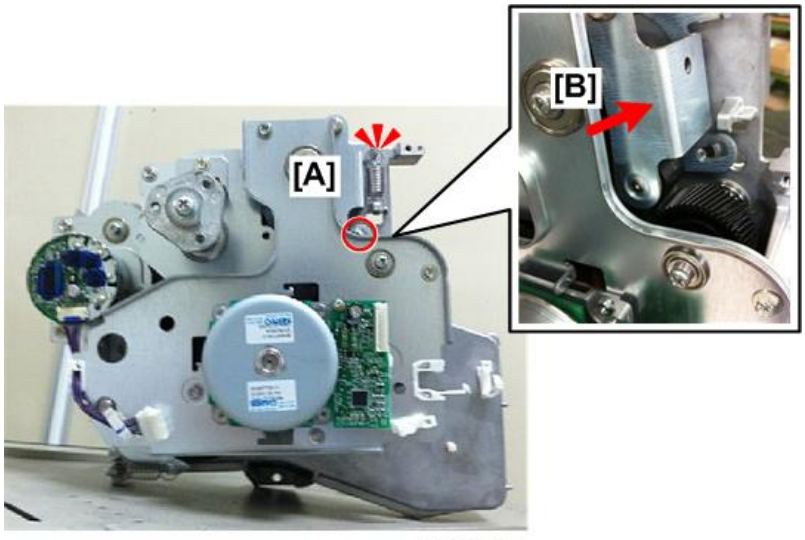
Re-installation

1. The development motor must be installed carefully to make sure that the drive gear of the motor [A] is correctly engaged with the belt [B].



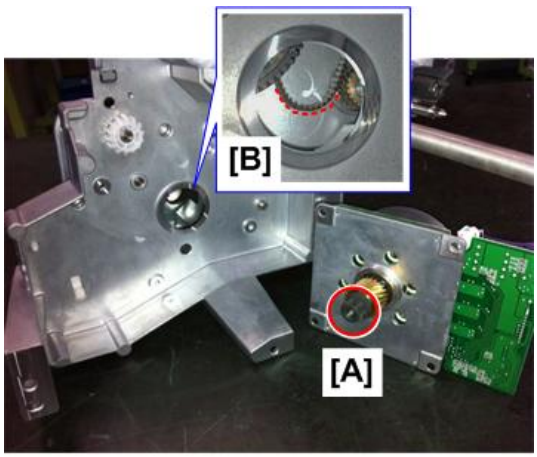
d1802902

2. Remove the screw and the spring at [A] (x1, x1).
3. Behind the frame, push the tension bracket [B] in the direction of the arrow to release tension on the belt.



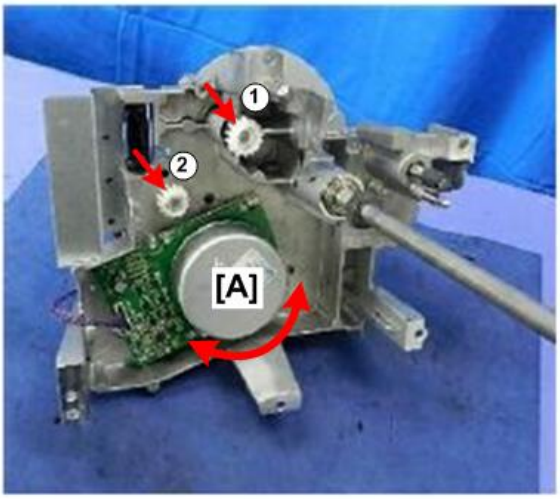
d1802903

4. Mount the motor.
5. Be sure that the gear [A] engages correctly with the slackened belt [B], and then attach the motor screws.



d1802904

6. Rotate the motor [A] and make sure that gears ① and ② both rotate. If both gears rotate, the motor is engaged with the belt.

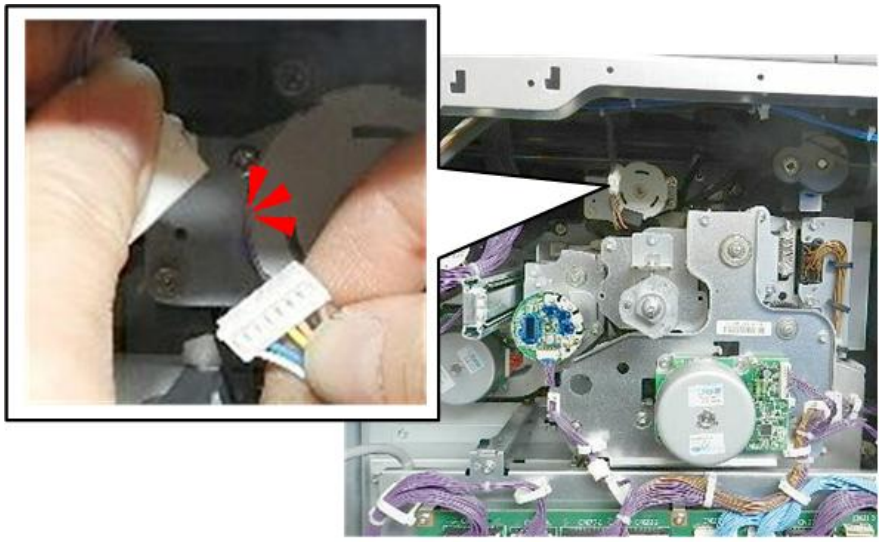


d1802905

Cleaning Pad Motor

1. Open the controller box (Opening the Controller Box)

2. Disconnect the motor harness (x1).

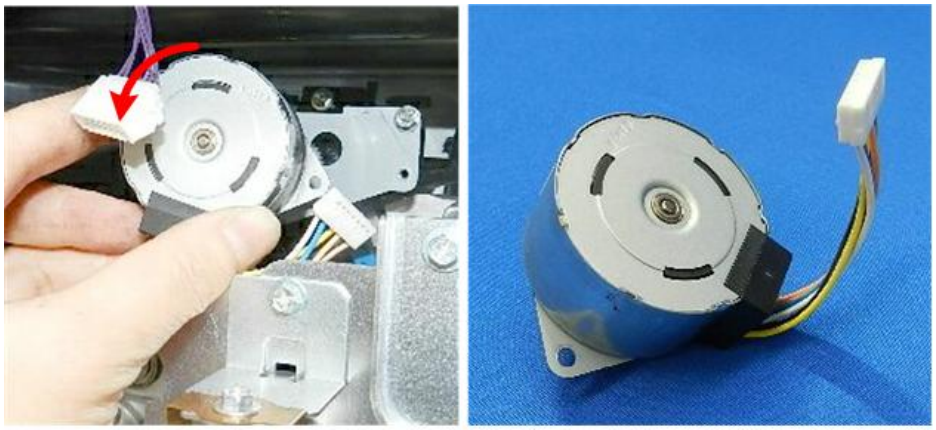


d1792964

3. Disconnect the motor (x2).

d1792965

4. Remove the motor.

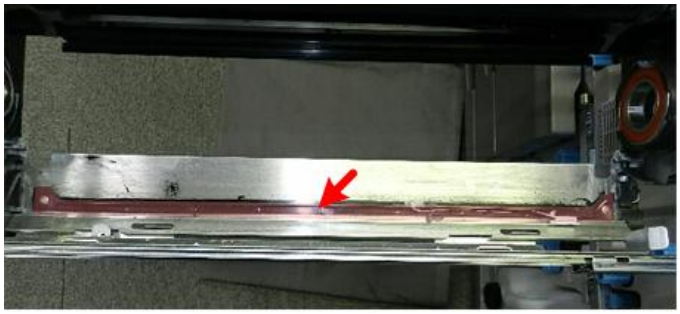


d1792966

Quenching Lamp, Sensors

Quenching Lamp

1. Pull out the PCDU. (PCDU Removal)
2. Remove the drum cleaning unit (Drum Cleaning Unit)
3. Remove the drum (Drum)
4. The QL (Quenching Lamp) lies on the right bottom edge of the PCDU frame.

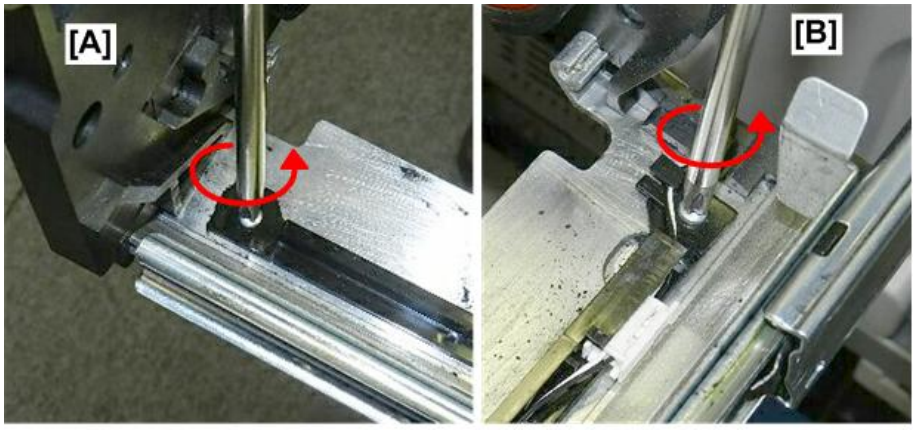


d1792967

5. Disconnect the QL at:

   [A] Front (x1)

   [B] Rear (x1)



d1792968

6. Disconnect the QL at the rear, and then remove it (x1).

d1792969

7. Lay the QL on a flat clean surface.

d1792970

PCDU Temperature/Humidity Sensor

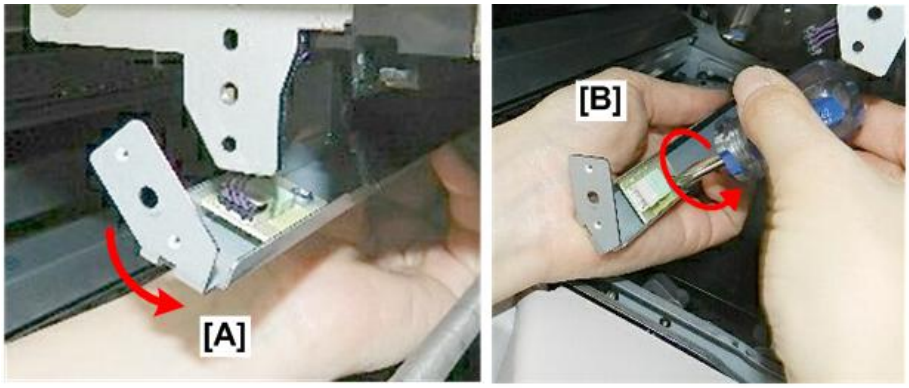
1. Remove the PCDU (PCDU Removal)
2. The temperature/humidity sensor is mounted on a bracket above the drum.

d1792971

3. Disconnect the front end of the bracket (x1).

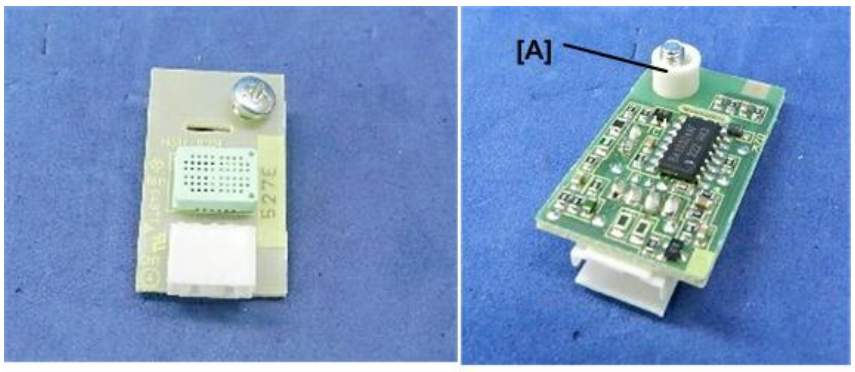
d1792972

4. Lower the bracket [A] (with sensor attached).
5. Disconnect the sensor [B] with a stubby driver, and then remove the sensor (x1).



d1792973

6. Handle the temperature/humidity sensor carefully to prevent losing the small plastic spacer [A] on the screw.

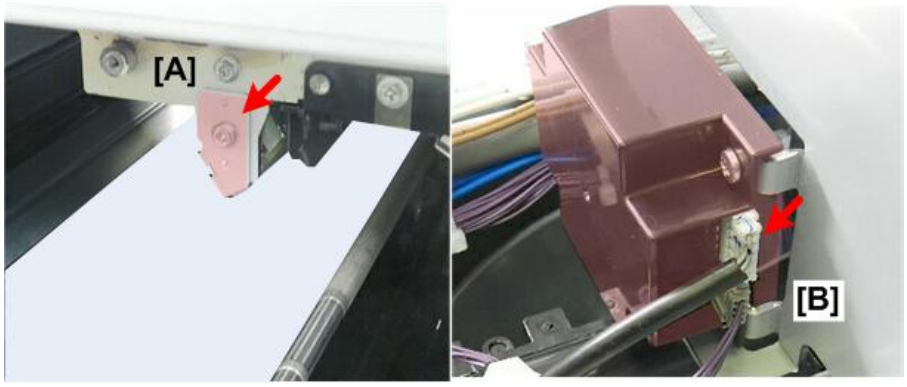


d1792974

Potential Sensor

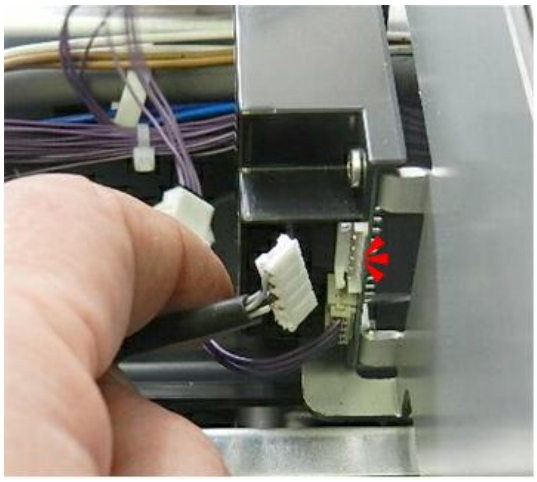
1. Remove the PCDU (PCDU Removal)
2. Remove the canopy cover (Canopy Cover Removal)
3. Cover the ITB with a sheet of A3 paper to protect it while you are working.
   - The drum potential sensor is mounted on the same bracket [A] as the temperature/humidity sensor.
   - The drum potential sensor is connected to a small PCB protected by a plastic cover and mounted on the

side of the toner bank cover [B]. (The photo below shows the toner bank canopy removed.)



d1792979

4. Disconnect the sensor at the rear.



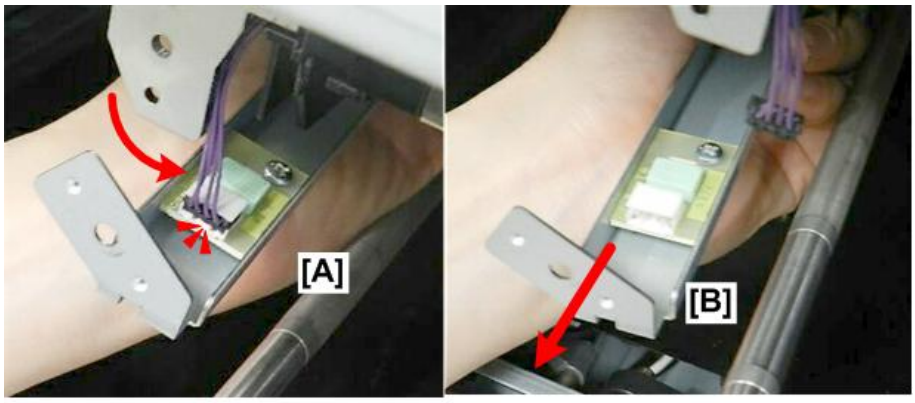
d1792980

5. Disconnect the front end of the bracket (x1).

d1792981

6. Lower the bracket [A], and then disconnect the temperature humidity sensor (x1).

7. Pull the bracket [B] out of the machine with the sensors still attached.

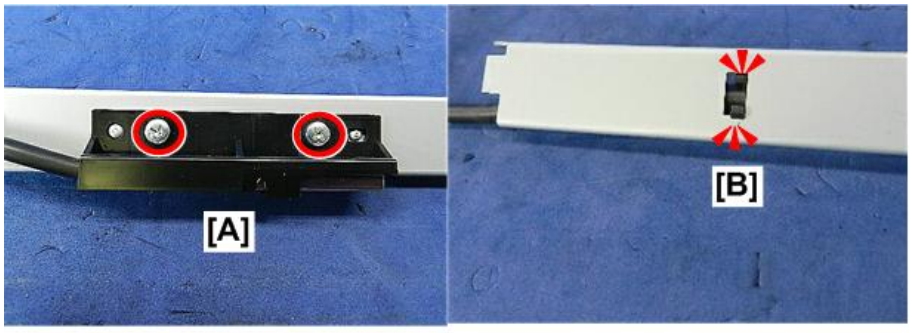


d1792982

8. Lay the sensor bracket on a clean, flat surface.

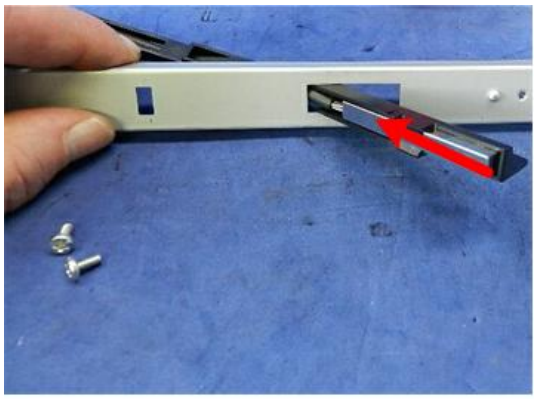
d1792983

9. Disconnect the sensor bracket [A] (x2).
10. Separate the harness from the bracket [B] (x2).



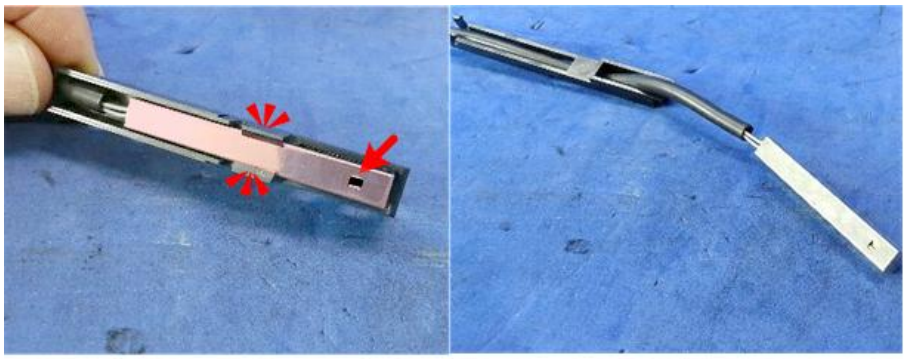
d1792984

11. Push the probe through the bracket.



d1792985

12. Spread the tabs and separate the sensor from the bracket, but only if the sensor needs to be replaced.



d1792986

13. The potential sensor probe and window should be cleaned with a blower brush and a clean dry cloth. (The sensor probe does not need to be separated from the bracket for cleaning.)

Cleaning Pad HP Sensor

1. Remove the PCDU (PCDU Removal)
2. The cleaning pad HP sensor is mounted on a bracket above the drum.

d1792975

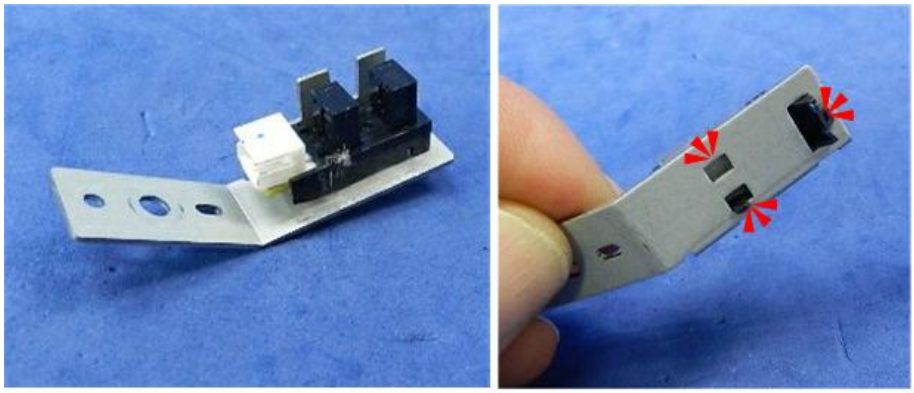
3. Disconnect the bracket (with sensor still attached) with a stubby driver (x1).

d1792976

4. Disconnect the sensor (x1).

d1792977

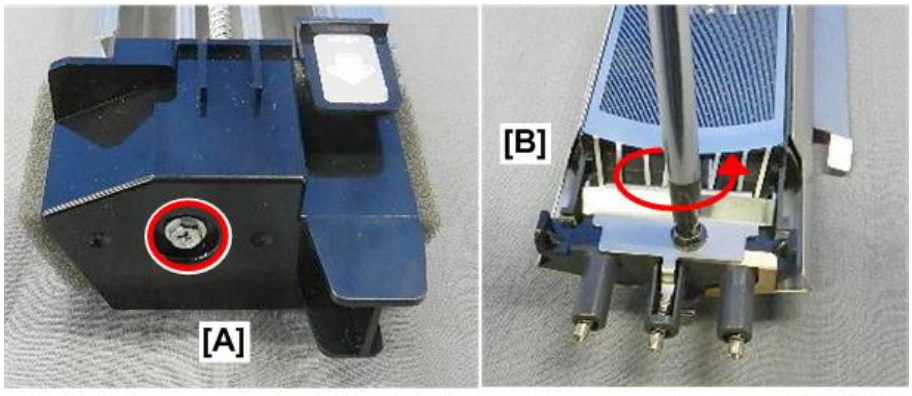
5. Separate the sensor from the bracket (x3).



d1792978

Charge Corona Wires, Grid, Cushions, Wire Cleaner

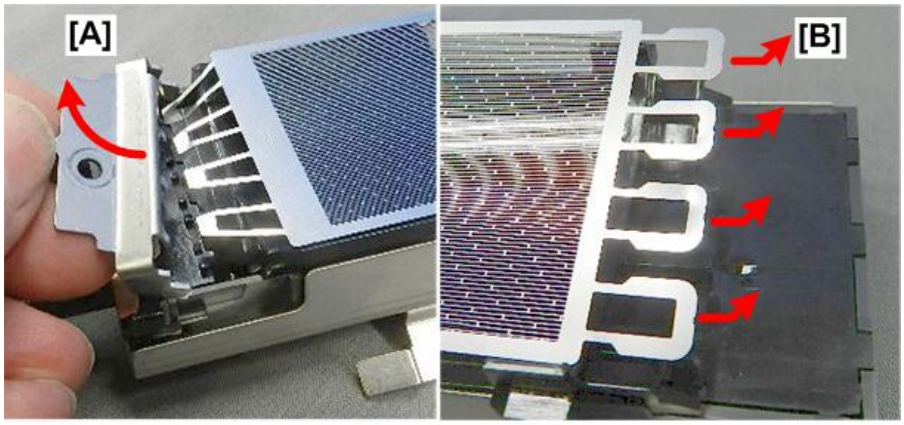
1. Remove the front edge cover (x3).
2. Remove the charge corona unit. (PCDU Removal)
3. Remove the front cover plate [A] (x1).
4. Disconnect the rear shield plate [B] (x1).



d1792989

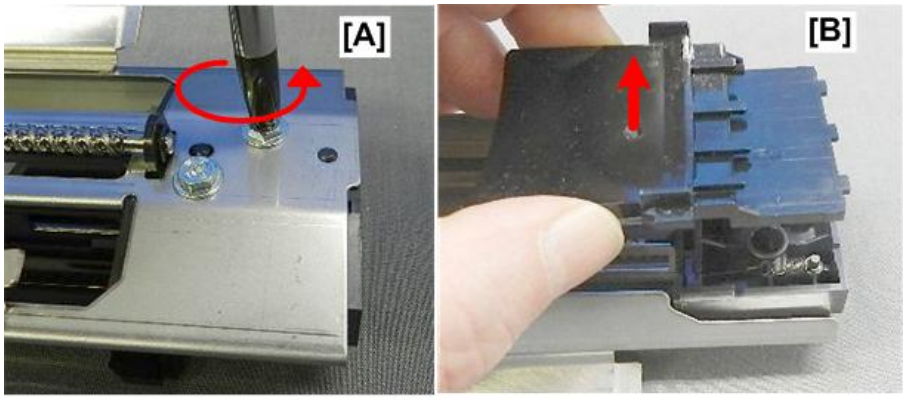
5. Slowly, remove the shield plate [A]. The tines of the plate are connected to the grid.
6. Disconnect the grid [B] on the other end of the unit.

7. Remove the grid.



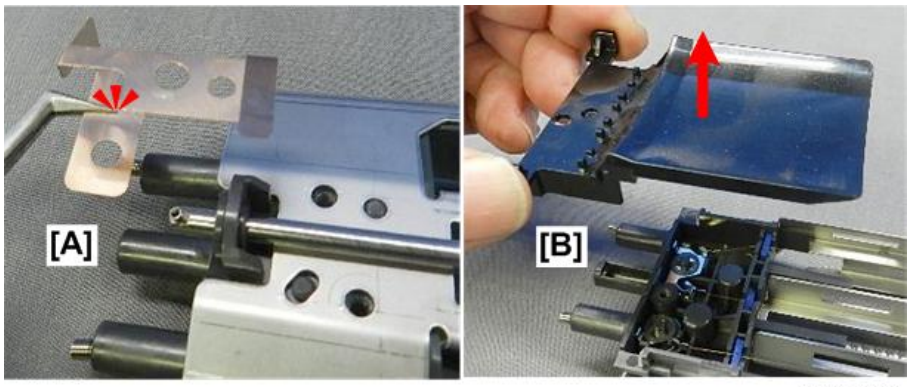
d1792990

8. Turn the unit over, and then remove screw [A] at the front (x1).
9. Turn the unit over again, and then remove the cap [B].



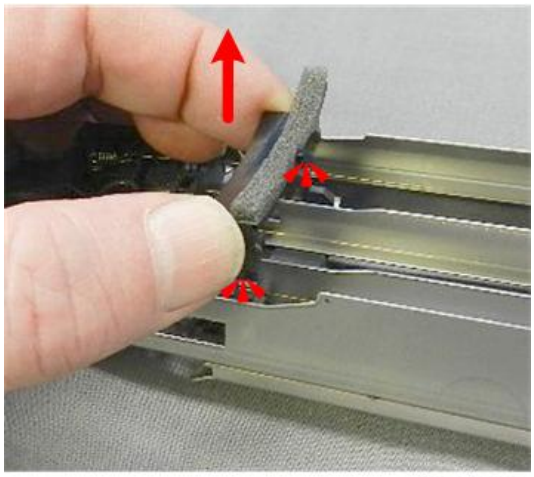
d1792991

10. Turn the unit over and remove the ground plate [A] at the rear.
11. Turn the unit over again, and then remove the cap [B].



d1792992

12. Pull straight up to release, and then remove the sponge bracket.

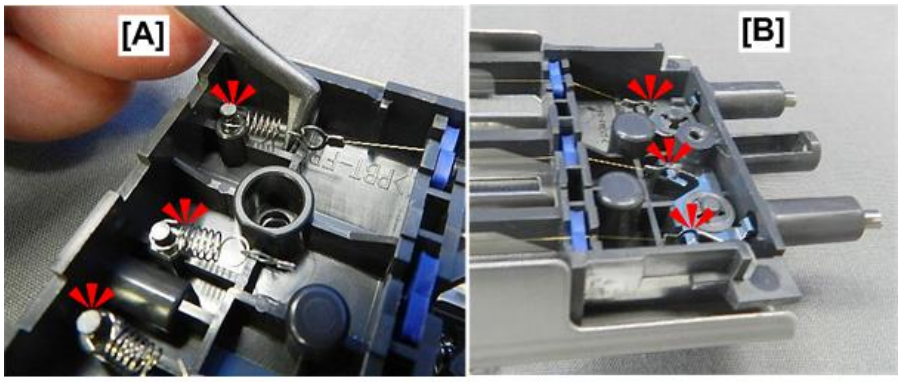


d1792993

13. At the front, disconnect the charge corona wires [A] (x3).
14. At the rear [B], disconnect the wires from the posts.

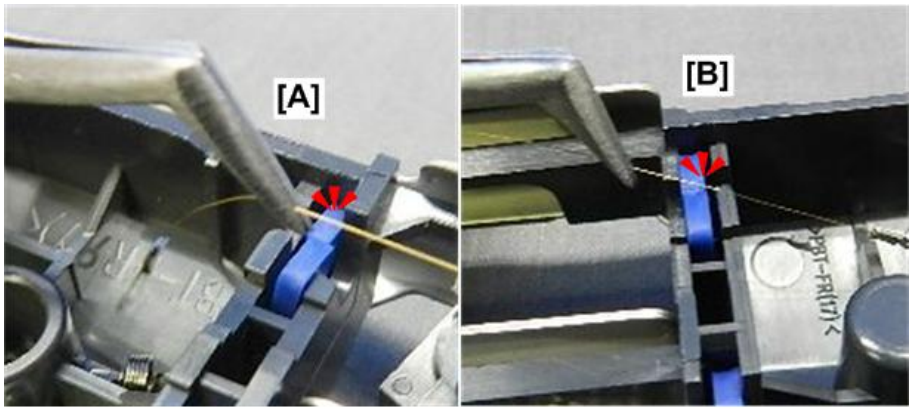
Important

- The charge corona wires are very brittle and break easily.
- Remove and handle them carefully.
- Avoid touching the wires with bare hands.



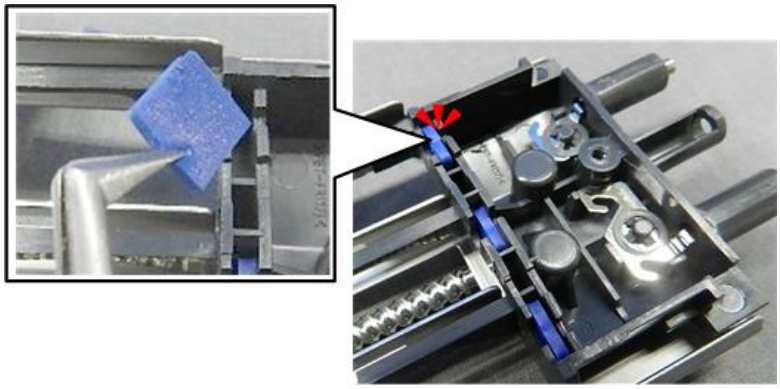
d1792994

15. Disconnect each wire from the rubber brackets [A] and [B].



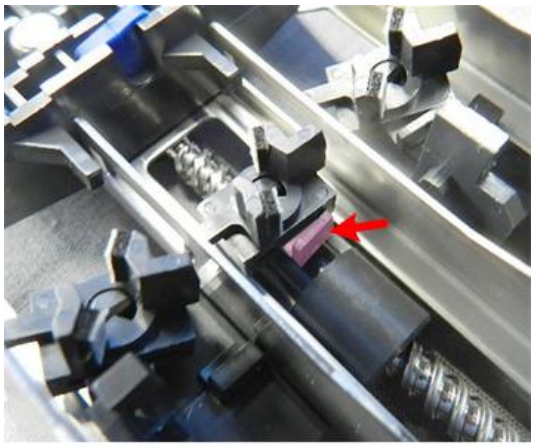
d1792995

16. Remove each rubber bracket (x6).



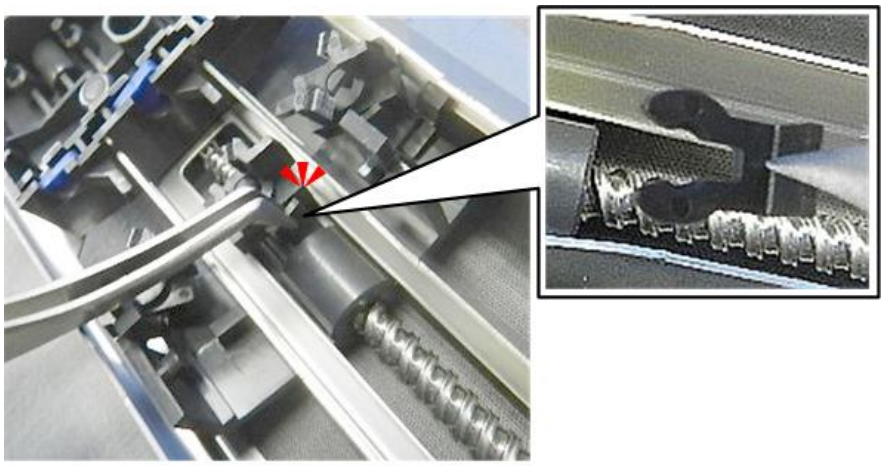
d1792996

17. Each cleaning pad bracket is held in place by a snap ring.

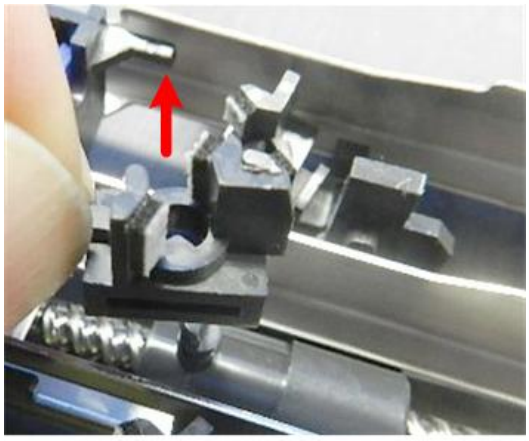


d1792997

18. Pull off a snap ring to disconnect each cleaning pad bracket (x3).



d1792998



d1792999

19. Remove each cleaning pad bracket.
20. When you install the unit in the machine, be sure to align the charge corona unit on its left plate and rail [A] before you push it into the machine [B].

d1792923

After Charge Corona Wire Replacement

1. After re-assembling the machine, open the left and front doors.
2. Turn the machine on.
3. Enter the SP mode and do SP7622-013 to 017 to reset the counters.

Development Unit Replacement

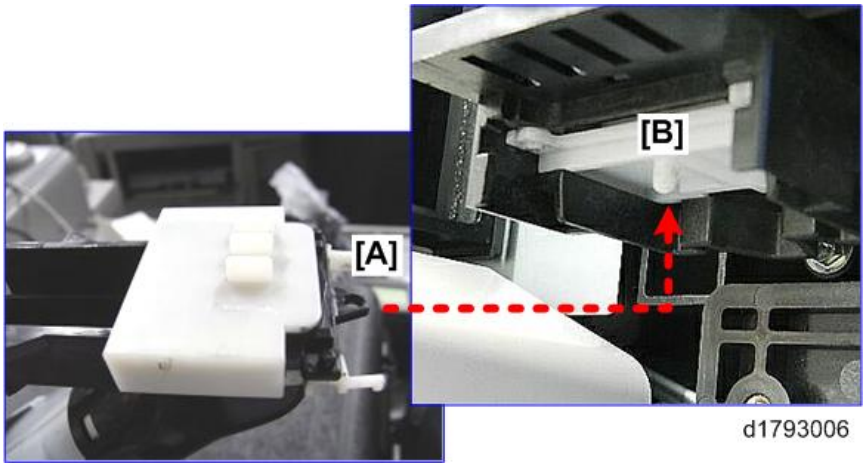
Note

- This section describes how to replace the development unit. If you need to replace only the developer, see the next section. You will need the empty toner bottle provided with the machine for this procedure.

Draining Developer

1. Switch the machine off.
2. Open the front doors.
3. Before replacing the developer, you must clean the doctor blade and the development roller. (Cleaning Doctor Blade, Development Roller Cleaning)

4. Set hole [A] of the toner bottle on the boss [B].



d1793006

5. Push the bottle in until you hear it click.

d1793008

6. With the front doors still open, turn the machine on.
7. Enter the SP mode and do SP3022-001 to start draining the developer.

Note

- The developer requires about 150 sec. to drain completely.
- If the operation fails, the machine will alert you with a message. Do SP3023-001 to check the result, and then repeat from Step 3.

8. The machine will alert you when the operation is finished.

9. Switch the machine off. Remove the bottle, and then re-attach its seal to prevent spillage.

d1793029

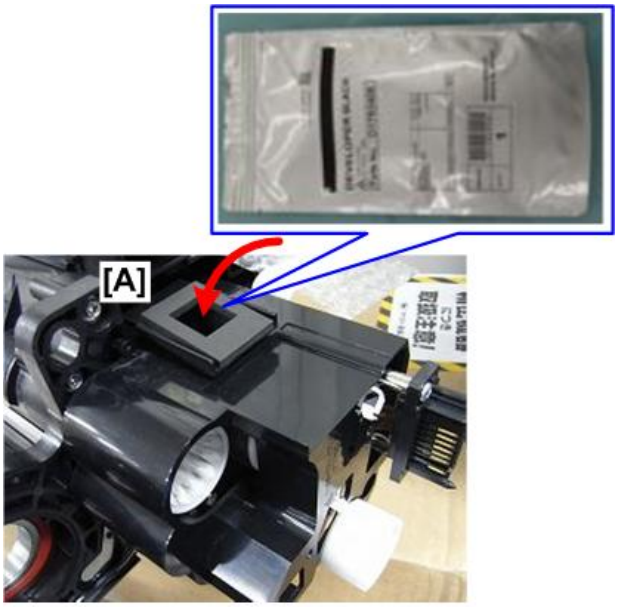
10. Remove the old development unit, and replace it with the new unit.

Note

- Do not re-attach the front edge cover.

Filling the New Unit with Developer

1. Add the contents of the small (145 g) bag of developer that comes as an accessory with the new development unit through the open port [A] of the new development unit.



d1793021

2. Keep the front door open and turn the machine on.
3. Enter the SP mode, open SP3029-001 and make sure that it is set to the default value (400).

Note

- This step prevents incorrect detection by the development unit TD sensor.

4. Remove the developer bottle from its package, and shake it from side to side 3 times, and then shake up and down about 3 times to loosen the developer.

5. Attach the developer bottle to the machine. You will hear a click when it locks in place.

d1793027

6. Remove the bottle seal.

d1793028

7. Enter the SP mode and do **SP3024-001** to start filling.

Note

- Filling requires about 60 sec. The machine will alert you with a message after filling is completed. If the operation fails, first make sure that you have removed the seal. Do SP3025-001 to check the result, and then repeat from Step 7.

8. Remove the bottle.
9. Do SP7622-003 to reset the counter.

10. Close the doors.
11. The machine automatically initializes the development unit TD sensor.
12. After successful initialization of the TD sensor, the machine will automatically execute process control.

Note

- If a problem occurs, the machine will issue an SC code. Refer to the SC code tables, and then follow the procedure to correct the problem. First, do SP3030-001 to initialize the TD sensor. Second, do SP3011-002 to force process control to execute manually.

13. Do SP3012-001 to check the results of the process control execution.

Developer Replacement

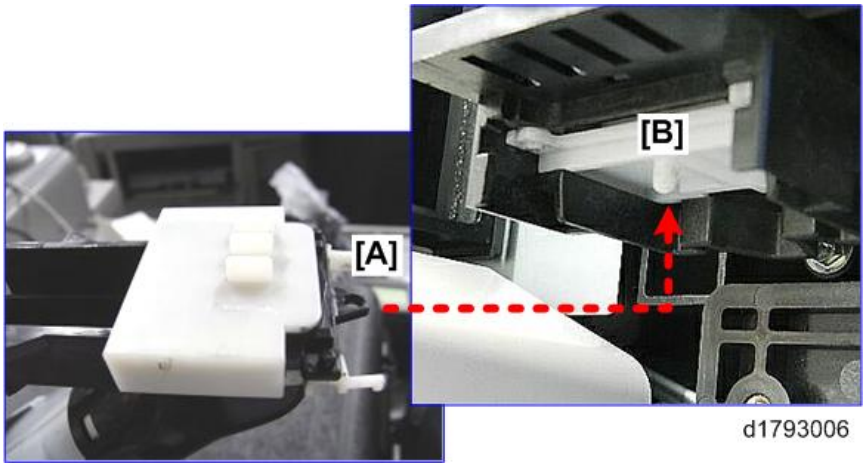
Draining Developer

Important

Before you begin this procedure you must have an empty developer bottle identical to the one installed in the machine.

The developer does not drain if the developer counter is reset before you try to drain the developer. Always drain the developer first, and then reset the developer counter.

1. Switch the machine off.
2. Open the front doors.
3. Before replacing the developer, you must clean the doctor blade and the development roller. (Cleaning Doctor Blade, Development Roller Cleaning)
4. Set hole [A] of the toner bottle on the boss [B].



5. Push the bottle in until you hear it click.

d1793008

6. With the front doors still open, turn the machine on.
7. Enter the SP mode and do SP3022-001 to start draining the developer.

Note

- The developer requires about 150 sec. to drain completely.
- If the operation fails, the machine will alert you with a message. Do SP3023-001 to check the result, and then repeat from Step 3.

8. Turn the machine off after the machine alerts you when the operation is finished.
9. Remove the bottle, and then re-attach its seal to prevent spillage.

d1793029

10. Go into the SP mode and reset the developer counter with SP7-622-003.

Adding New Developer

Important

You must reset the developer counter before you do this procedure. You will not be able to fill until the counter has been reset.

1. Make sure that the front doors are still open, and then turn the machine on.
2. Shake the new developer bottle up and down and then side to side about 3 times to loosen the developer.

3. Attach the developer bottle to the machine. You will hear a click when it locks in place.

d1793027

4. Remove the bottle seal.

d1793028

5. Enter the SP mode and do **SP3024-001** to start filling.

Note

- Filling requires about 60 sec. The machine will alert you with a message after filling is completed. If the operation fails, first make sure that you have removed the seal. Do SP3025-001 to check the result, and then repeat from Step 5.

6. Remove the bottle.
7. Do SP7622-003 to reset the counter.

8. Close the doors.
9. The machine automatically initializes the development unit TD sensor.
10. After successful initialization of the TD sensor, the machine will automatically execute process control.

Note

- If a problem occurs, the machine will issue an SC code. Refer to the SC code tables, and then follow the procedure to correct the problem.
- Next, do SP3030-001 to initialize the TD sensor.
- Do SP3011-002 to force process control to execute manually.

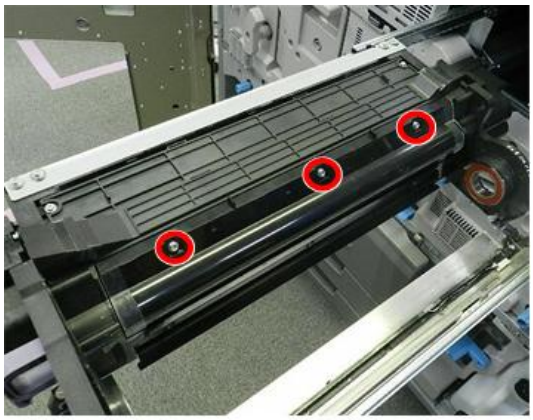
11. Do SP3012-001 to check the results of the process control execution.

Cleaning Doctor Blade, Development Roller Cleaning

Note

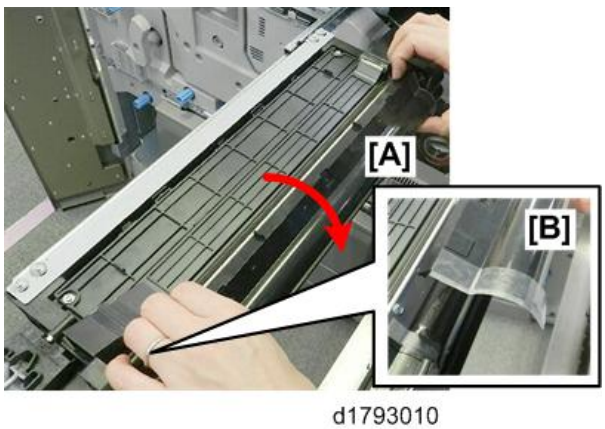
- Do this procedure to clean the doctor blade every time the developer is replaced.

1. Place a large drop cloth in front of the machine to prevent toner from spilling on the floor.
2. Pull out the PCDU. (PCDU Removal)
3. Remove the drum cleaning unit. (Drum Cleaning Unit)
4. Remove the drum. (Drum)
5. Disconnect the cover (x3).



d1793009

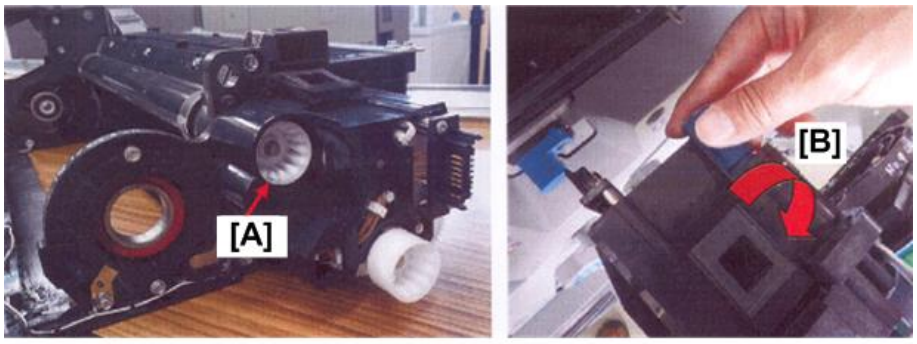
6. Carefully remove the cover [A] to avoid damaging the tapes [B] on both ends of the cover.



d1793010

7. Use the accessory jig handle and rotate the development roller [A] in the direction of the arrow [B]

(clockwise viewed from the front) until you see no loose developer on the roller.

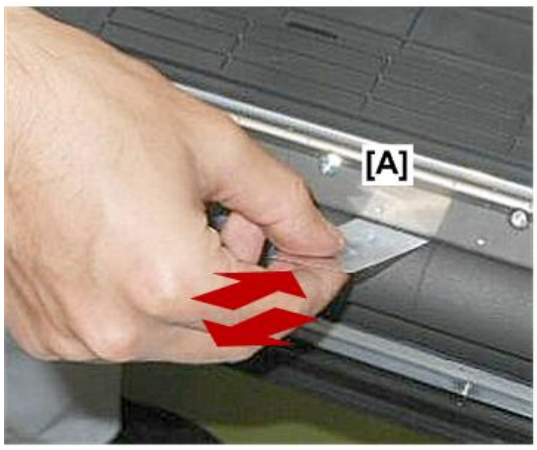


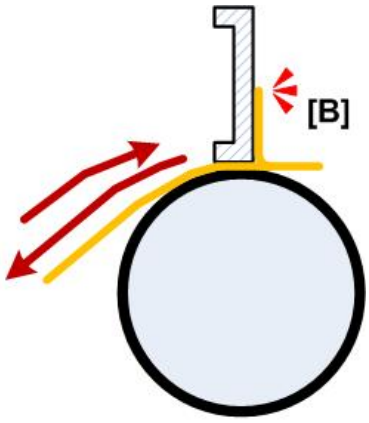
d179b3020

8. Inspect the development roller and make sure that it is completely free of loose toner.

m263b3001

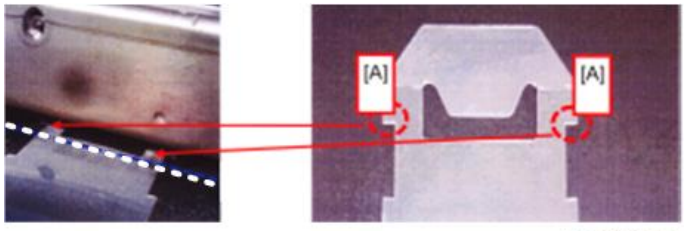
9. Insert the jig sheet [A] into the doctor gap.
10. Pull the jig sheet back and downward at a 45 degree angle so the flap [B] of the jig catches on the blade.





m263b3012

11. Align the top corners [A] of the cutout with the edge of the doctor blade.

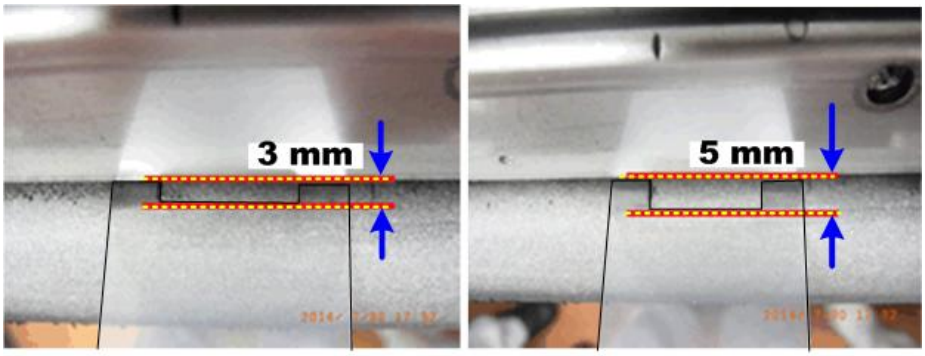


m263b3002

Important

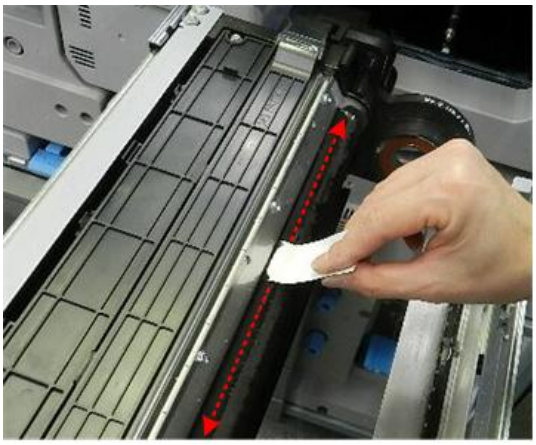
- Keep this alignment while cleaning.

12. While cleaning, hold the jig so you can see a gap of about 3 mm. A gap of about 5 mm is too much.



d179b4040

13. Clean the doctor blade by sliding the jig gently across the entire length of the blade 5 times.



d1793013

Important

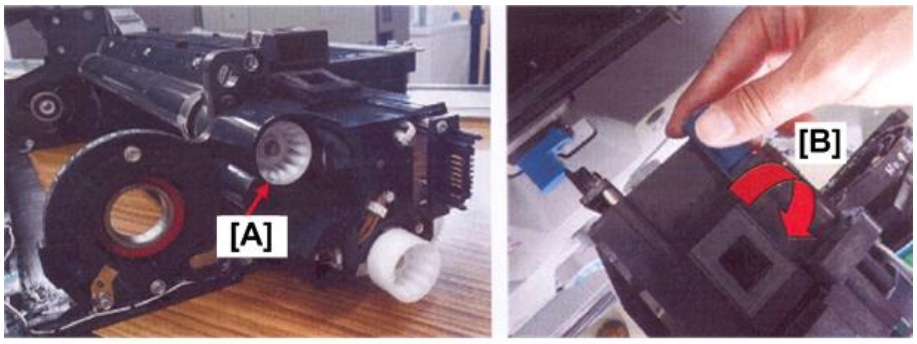
- Pulling on the jig too hard could damage the jig, put stress on the doctor blade, and cause interference between the jig flap and the rivet at the rear of the blade.
- Do not attempt to clean the rivet. Any toner on the rivet will have no effect on images.

14. Remove the jig by sliding it sideways.

d179b3022

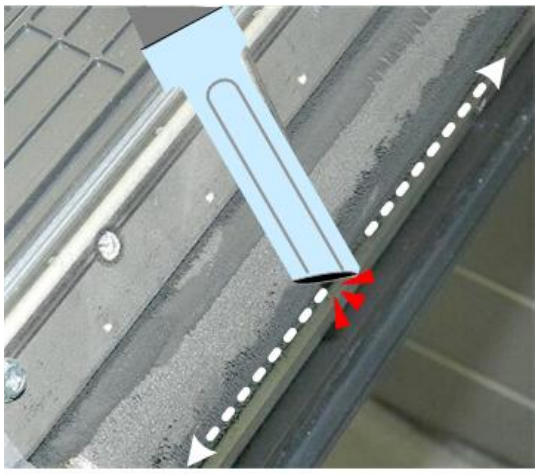
15. Set the jig handle again, and viewed from the front rotate the roller [A] about 1/4 turn in the direction of the

arrow [B].



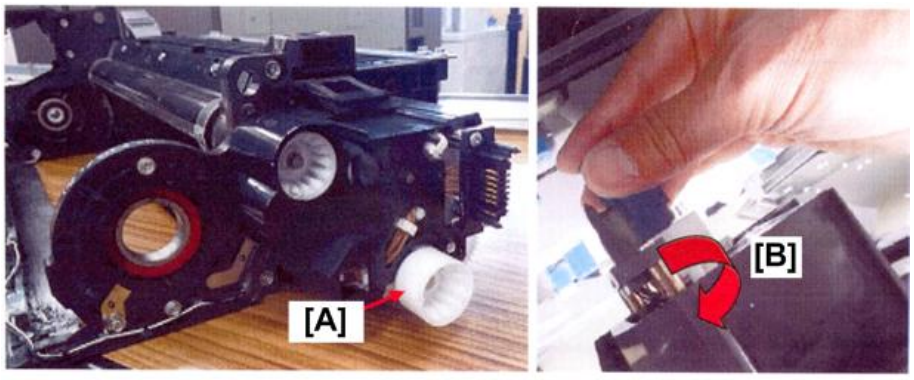
d179b3020

16. Vacuum any loose developer.



d1793015

17. Repeat Steps 7 to 16 three times.
18. Set the jig handle again and turn the roller transport gear [A] 10 full rotations in the direction of the arrow [B].



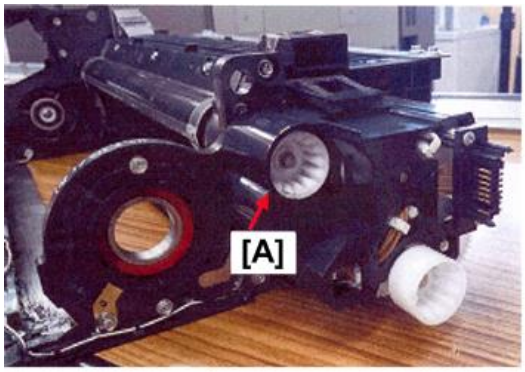
d179b3021

Note

- If you make a mistake and rotate it in the opposite direction, rotate the jig 20 times in the correct direction shown above. If you fail to correct the mistake, the developer and toner will not be mixed in the correct ratio.

19. Rotate the developer roller with the jig handle one more time. When you see the fresh developer on the

development roller, you are finished.



d179b3023

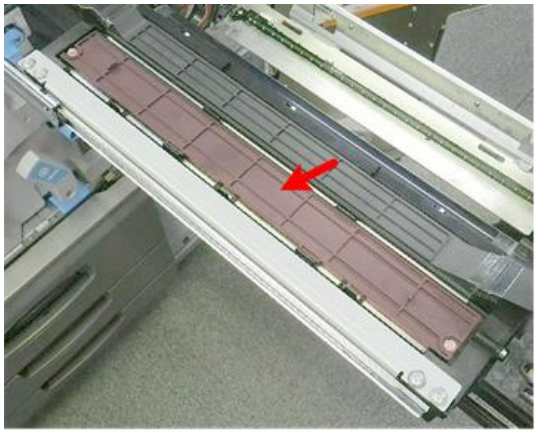
Important

- With the vent filter removed, check inside the case for toner around the toner entrance port. If you see any toner in this area, tap the port lightly to dislodge any toner with the vibration so that it falls into the unit.

20. Clean the surface of the development unit if necessary.

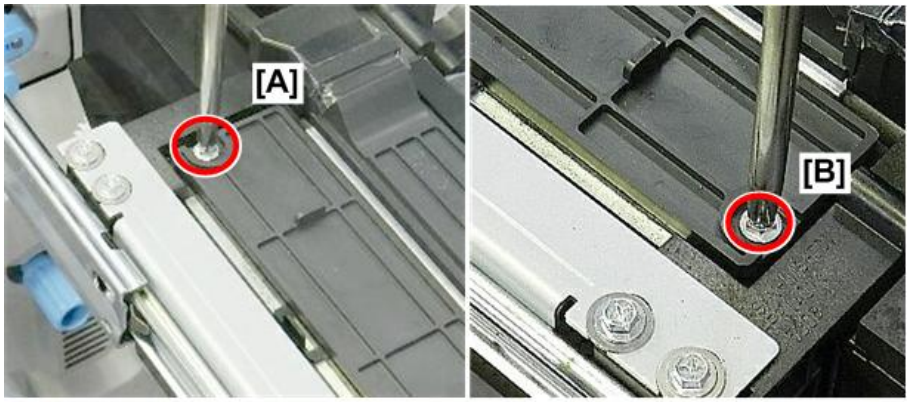
Vent Filter

1. Pull out the PCDU. (PCDU Removal)
2. The vent filter is under the flat cover on the left.



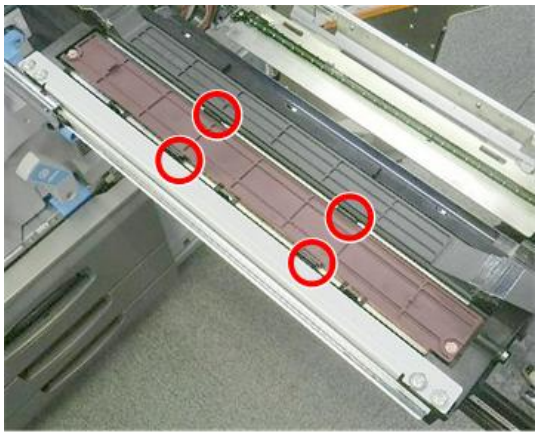
d1793001

3. Disconnect the cover at [A] and [B] (x2).



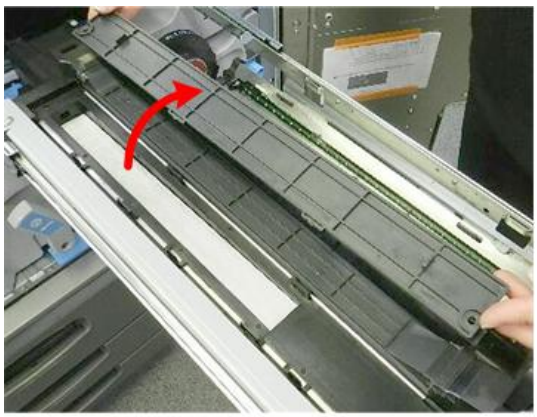
d1793002

4. Free the cover (x4).



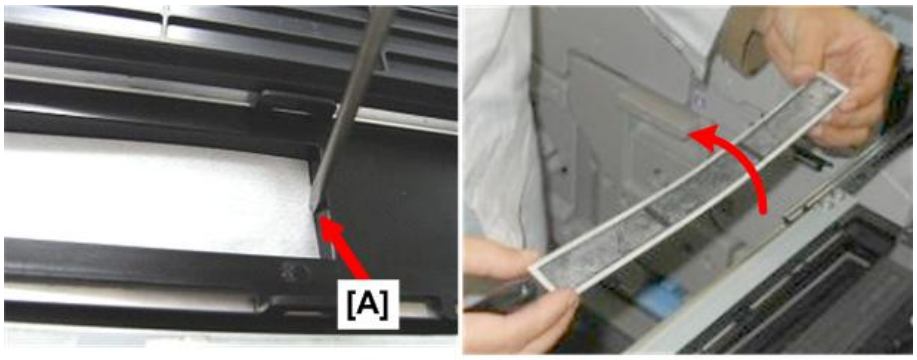
d1793023

5. Remove the cover.



d1793003

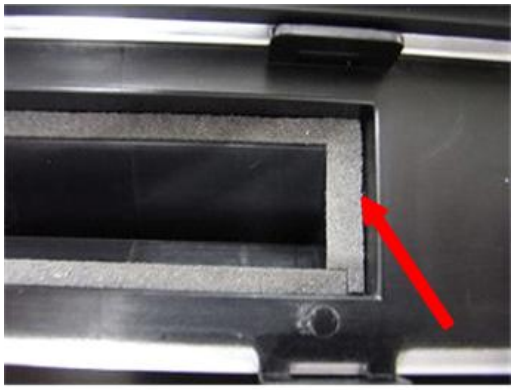
6. Carefully, use the tip of a flat head screwdriver to free the filter [A] and then remove it. (See the note below.)



d1793024

Important

- Work carefully to avoid damaging the sponge seal.



d1793025

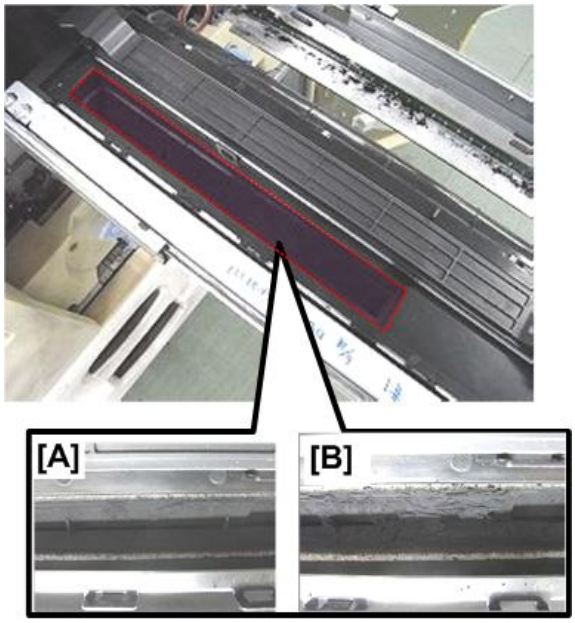
7. Hold the filter over a waste bin and gently tap it with the tip of a screwdriver to remove loose developer.

d1793026

Important

- To avoid damaging the filter mesh, never use a vacuum cleaner to clean the filter.

8. Before you re-install the filter, check the casing where the filter was removed:
   - The area should be free of toner [A].
   - There should be no excess toner as shown at [B].



d1793030

9. If you see excess toner, use the tip of a screwdriver to lightly tap the sides of the casing so that the excess will fall down into the unit.

d1793031

ITB Unit

ITB Unit Removal

Important

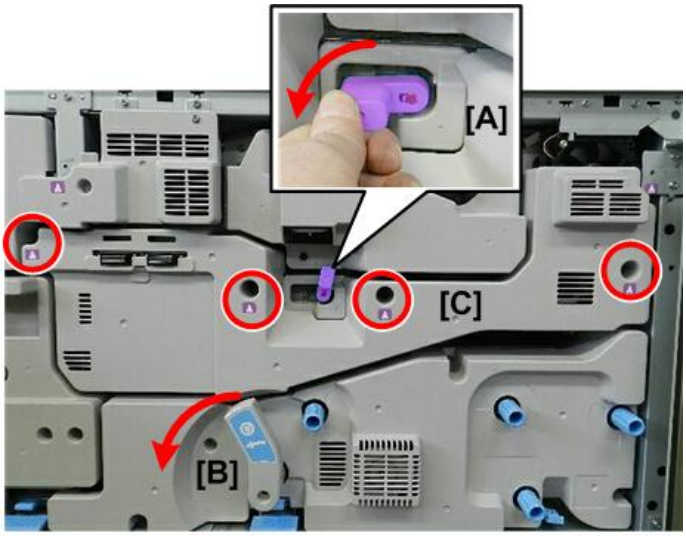
- During removal and installation of the ITB cleaning unit, keep it straight and do not allow it to tip to the right.

ITB Cleaning Unit

1. Open the front doors.
2. The ITB cleaning unit and ITB unit (belt unit) comprise the ITB unit.

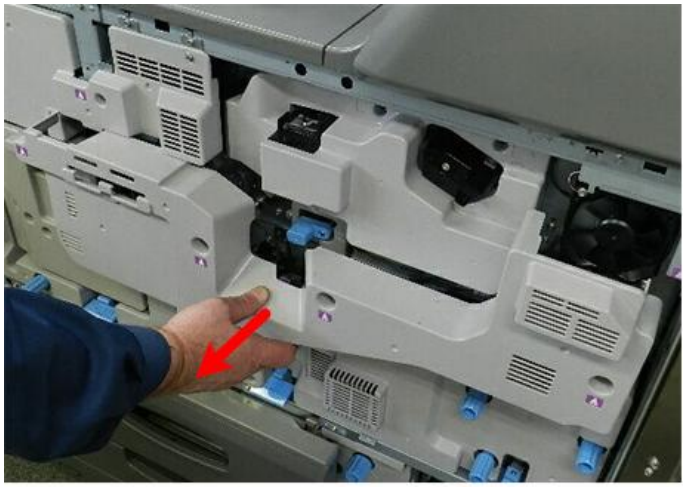
d1793200

3. Lower the ITB lever [A]. This lowers the image transfer belt.
4. Lower lever **C1** [B].
5. Disconnect the cover [C] (x4).



d1793201

6. Remove the cover (x7).

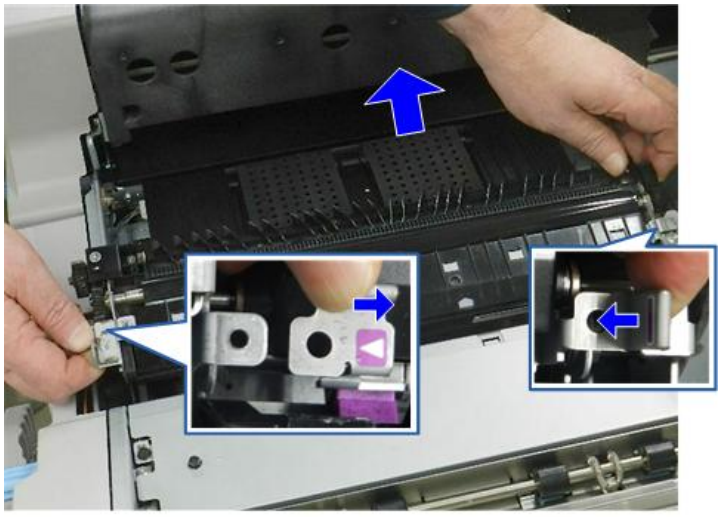


d1793202

7. Pull out the drawer completely until it stops.
8. Remove the PTR unit (x2). (PTR Unit Removal)

Note

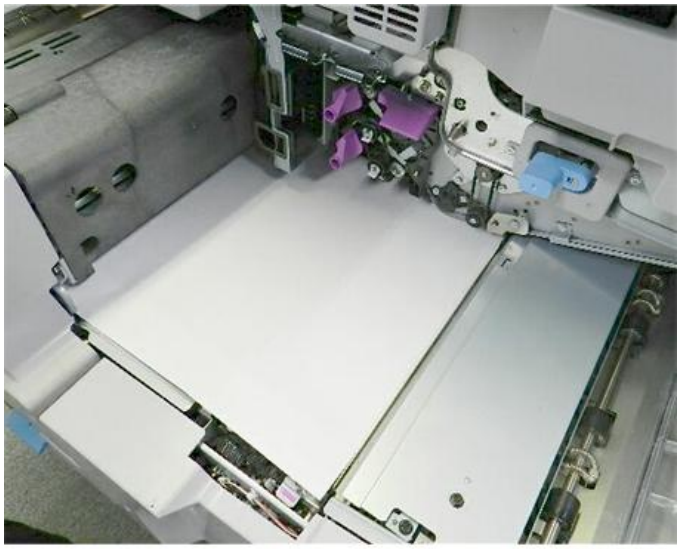
- If you are removing only the ITB cleaning unit, you do not need to remove the PTR unit.



d270b3704

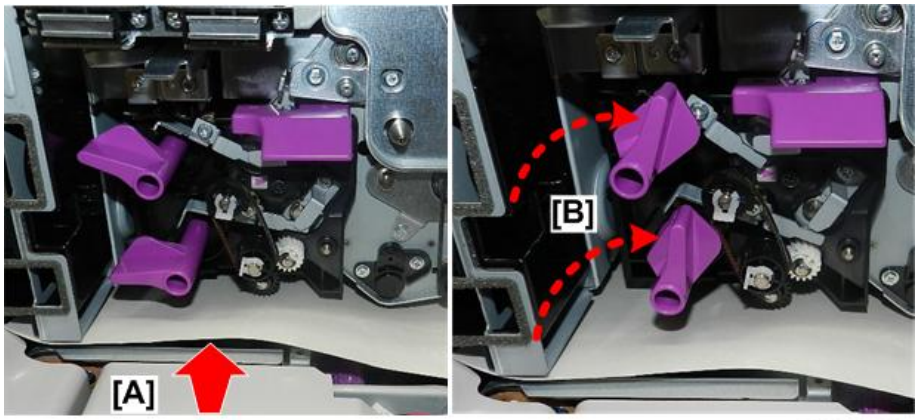
9. With the drawer out, lay a large sheet of A3 paper over the paper transport belts (where you just removed the

PTR).



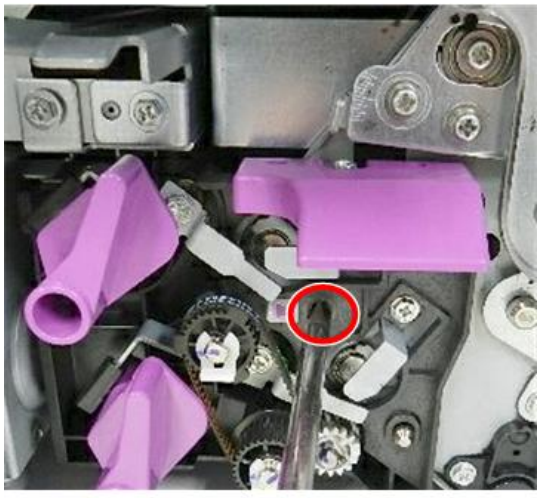
d1793215

10. Slowly, push the drawer into the machine as far as the front paper edge [A].
11. Rotate both levers up to the right [B]. This unlocks the ITB cleaning unit.



d270b3203

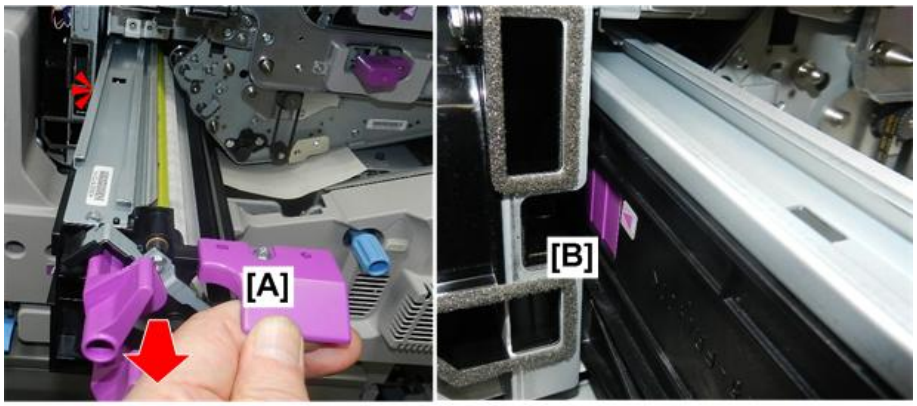
12. Disconnect the ITB cleaning unit (☆x1).



d1793204

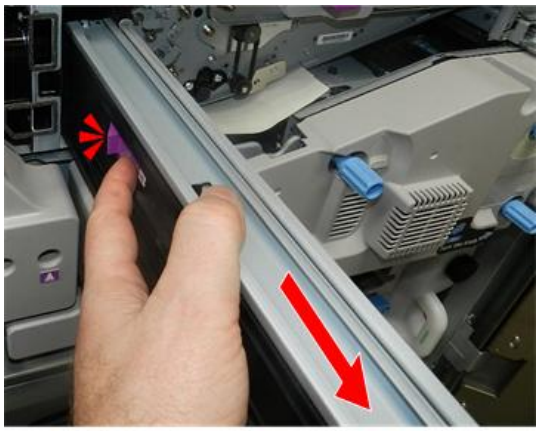
13. Slowly, pull out the cleaning unit [A] until it catches on the left and stops.

14. The TCRU mark (triangle) marks the release lever [B].



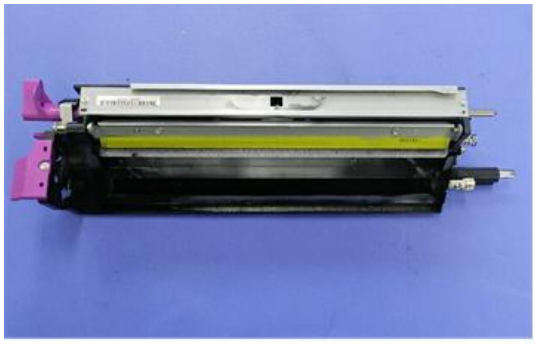
d270b3205

15. Press in the release lever, and then remove the unit.



d270b3206

16. Lay the unit on a flat clean surface.



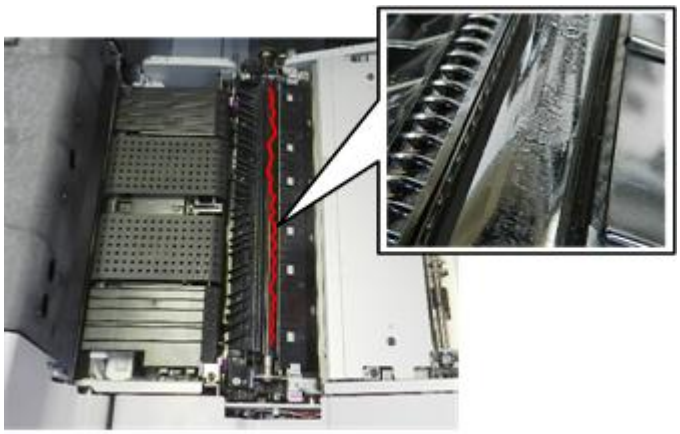
d1793207

ITB Unit

Important

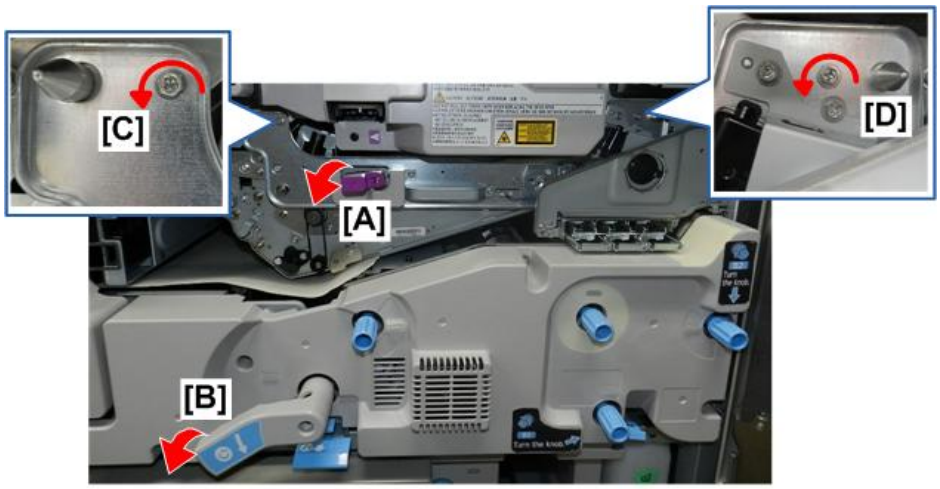
- Before removing the ITB unit, be sure to rotate both levers of the ITB cleaning unit and the belt release lever down to the left.
- The PTR unit must be removed before removal of the ITB unit.
- If the ITB unit is removed with the PTR unit in the drawer, the edge of the ITB unit will scour and ruin

the surface of the PTR below as the ITB unit is pulled from the machine. This can permanently damage the PTR as shown below.



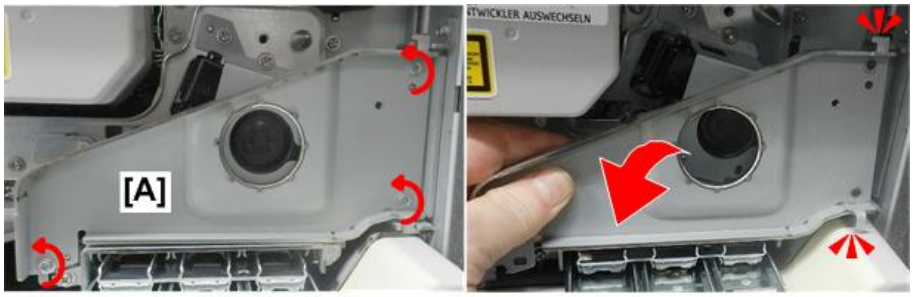
d1803101

1. Remove the ITB cleaning unit. (See previous section)
2. Prepare a clean place to lay the ITB unit. If you are going to lay it on the floor, cover the location with a clean drop cloth or paper.
3. Make sure that both levers, [A] and [B] are down. These levers must be down before you can remove the ITB unit.
4. Disconnect the ITB unit at the upper left [C] (x1).
5. Disconnect the ITB unit at the upper right [D] (x1).



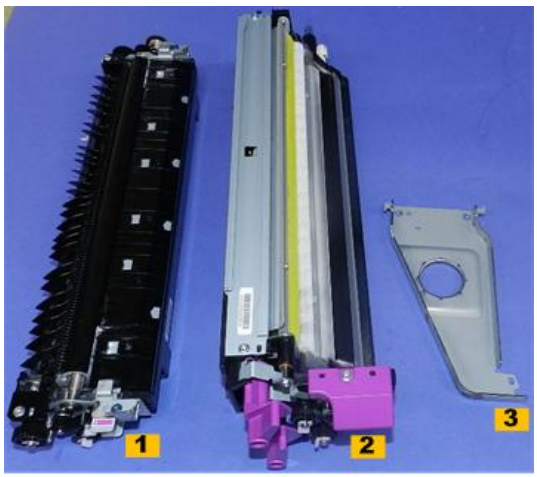
d270b3208

6. On the right end of the ITB unit, remove the plate [A] (x3).



d270b3209

7. After removing the PTR [1], ITB cleaning unit [2], and right plate [3], you can remove the ITB unit.



d270b3210

8. Grip the handle, and then pull the ITB unit out partially.

⚠CAUTION

- The unit weighs about 12 kg (26 lb.).
- The unit is mounted on rails but there are no locks or releases to prevent it from falling after it leaves the rails.

d270b3211

9. Grip the unit firmly on both sides, and then slowly pull it completely out of the machine.

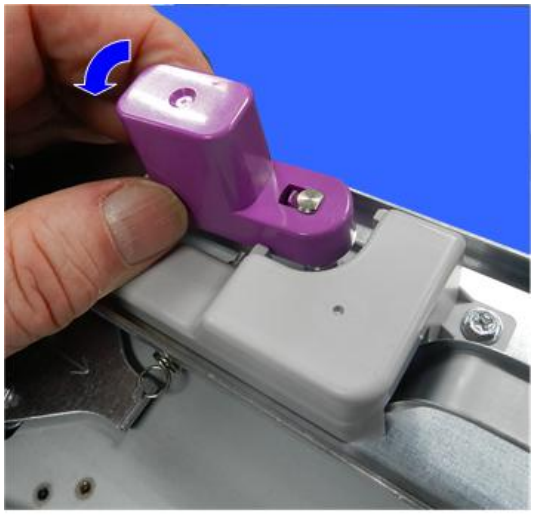
d270b3212

10. Set the ITB unit on a flat clean surface with the front side up.

d1793101

Re-installation

1. Before you re-install the ITB unit in the machine, make sure that the lever is down.



d270b3120

Important

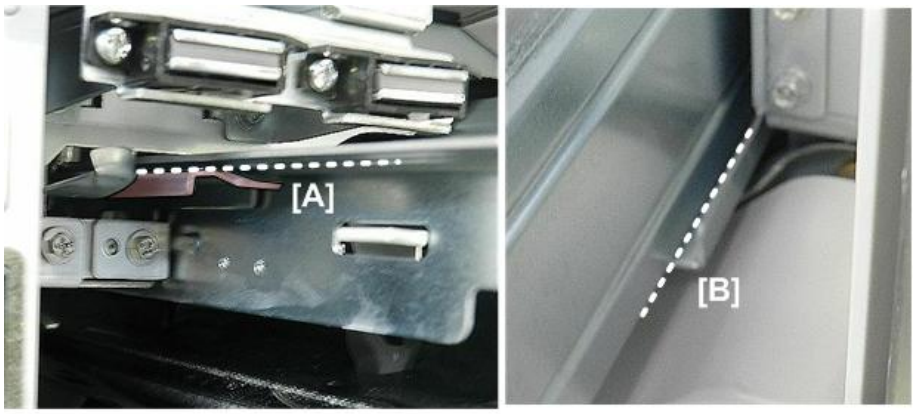
- Inserting the ITB unit into the machine with this lever up could damage the belt.

ITB Cleaning Unit, ITB Unit Re-installation

1. When you re-install the ITB unit, if the spring catches on the unit push the spring to allow the unit to slide in.

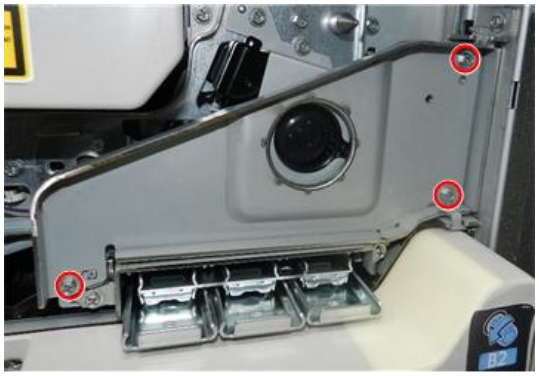
d1793238

2. When you re-install the ITB unit, make sure the rails on the left [A] and on the right [B] are aligned correctly before you push the unit into the machine.



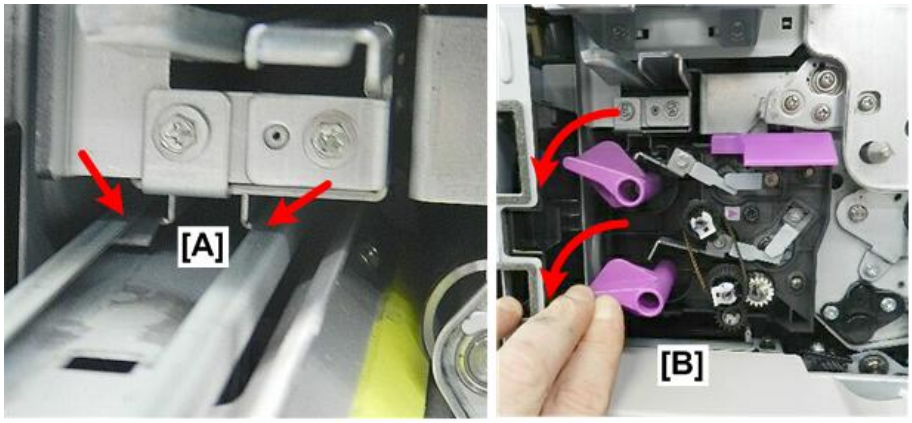
d1793212

3. Do not forget to re-attach the plate on the right end of the ITB unit. (This is a new part for this machine.)



d270b3213

4. When you re-install the ITB cleaning unit, make sure that the arms on top of the unit are hung correctly onto the rails [A] before you push the unit into the machine.
5. After installing the cleaning unit, rotate both levers [B] down to lock them.



d1793213

6. Gently, rotate the ITB lever up. Do not twist!

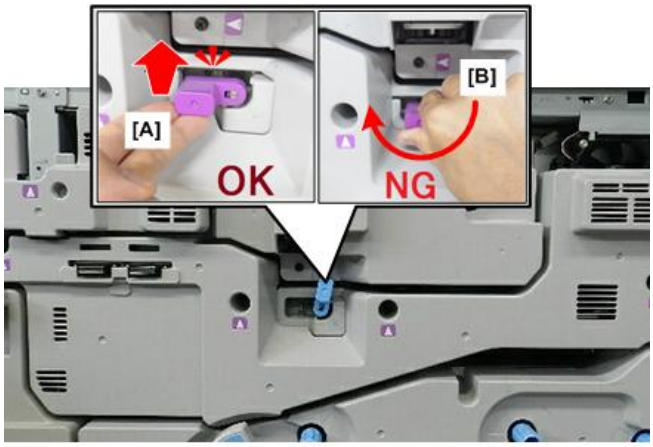
d270b3214

Note

The right front door will not close if this lever is down.

Raising this lever raises the image transfer belt up against the drum. Raise the lever slowly and gently with two fingers [A].

Never twist the lever with force [B]. This could cause a problem with the position of the belt and trigger an SC error.



m263d6701

Belt Replacement

Belt Removal

Important

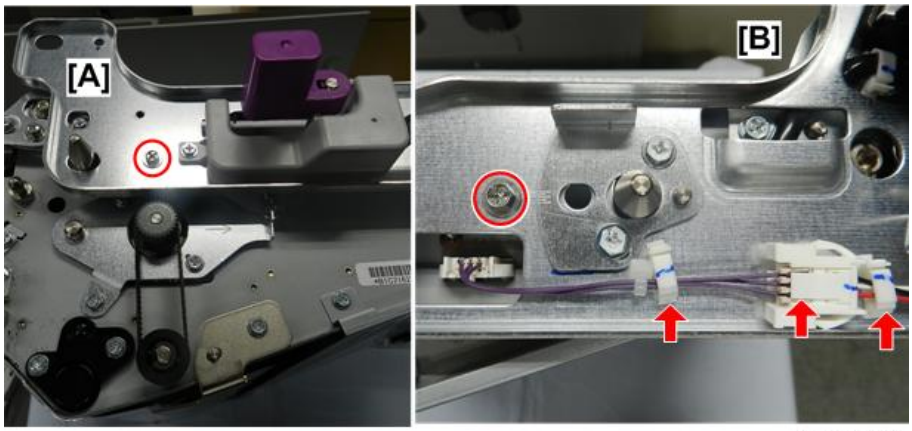
- Most procedures for the ITB unit require removing the transfer belt.
- Handle it carefully. Avoid touching the surface of the belt with bare hands.

- Store it carefully while the ITB unit is being serviced.

1. Remove the ITB unit (ITB Unit Removal)
2. Set the ITB unit on its back side with the front side up.

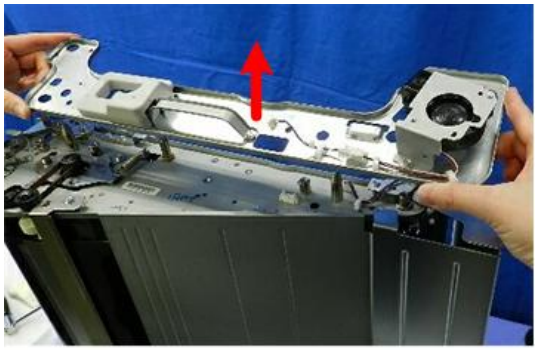
d1793101

3. Disconnect the handle plate on the left [A] (x1).
4. Disconnect the plate on the right [B] (x1, x2, x1).



d270b3102

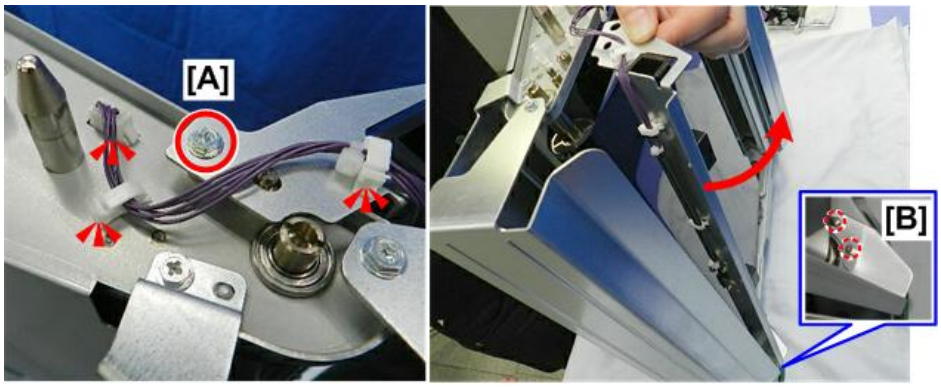
5. Remove the handle plate.



d1793103

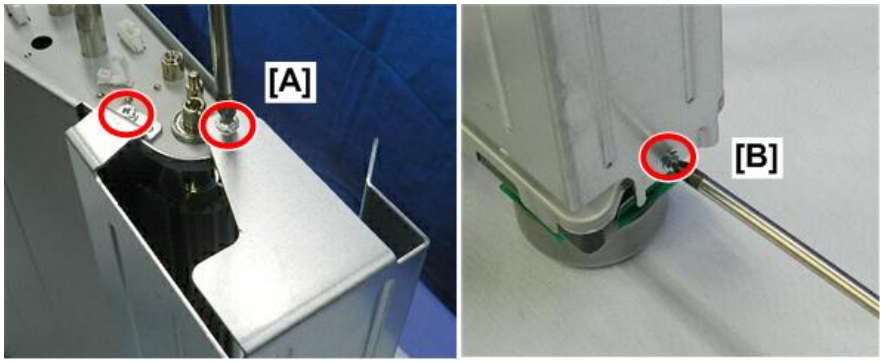
6. Disconnect the ID sensor plate at the front [A] (x2, x1, x1).

7. Disconnect at [B].



d270b3104

8. Disconnect the right end plate at the front [A] (x2).
9. Disconnect the plate at the rear [B] (x1).

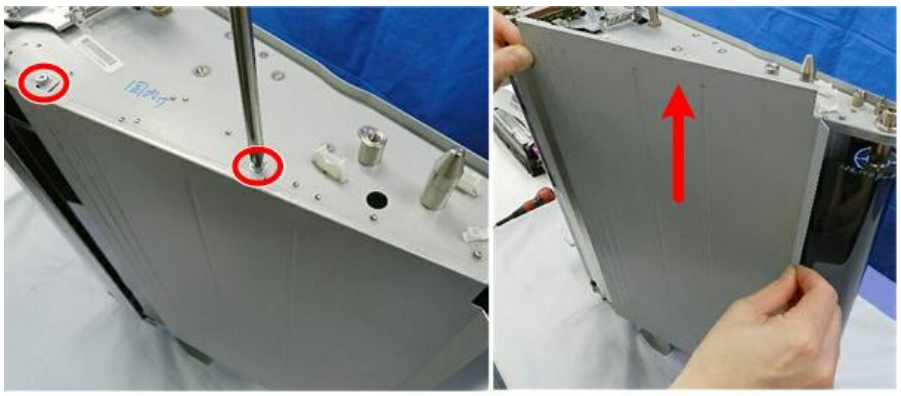


d1793105

10. Remove the right end plate.

d1793106

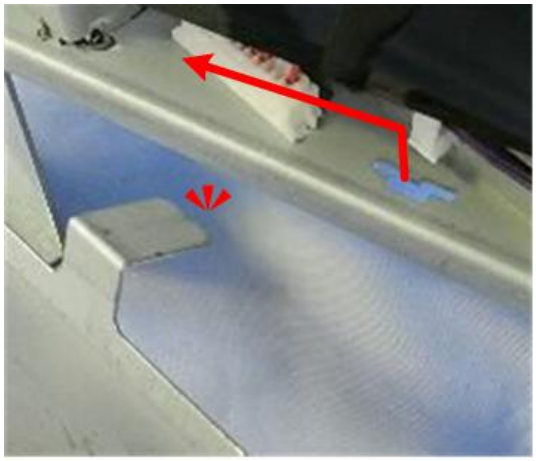
11. At the front, disconnect the bottom plate (x2).



d1793107

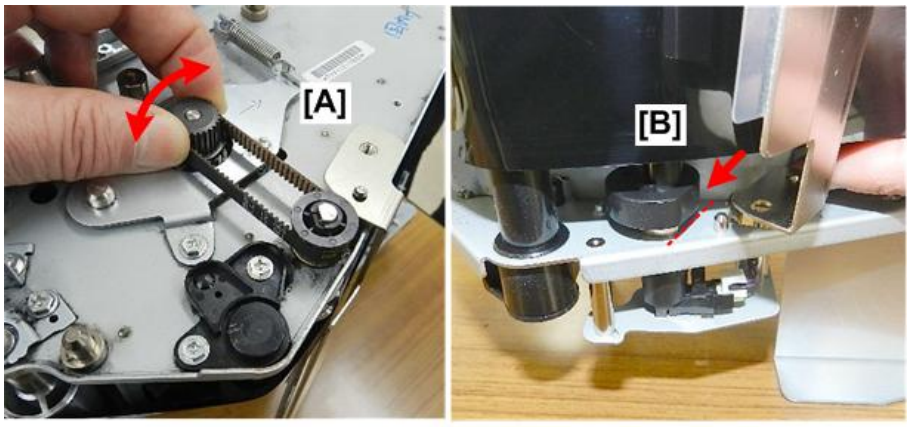
Important

- Note where the tabs must be inserted into the holes for re-assembly.



d1793108

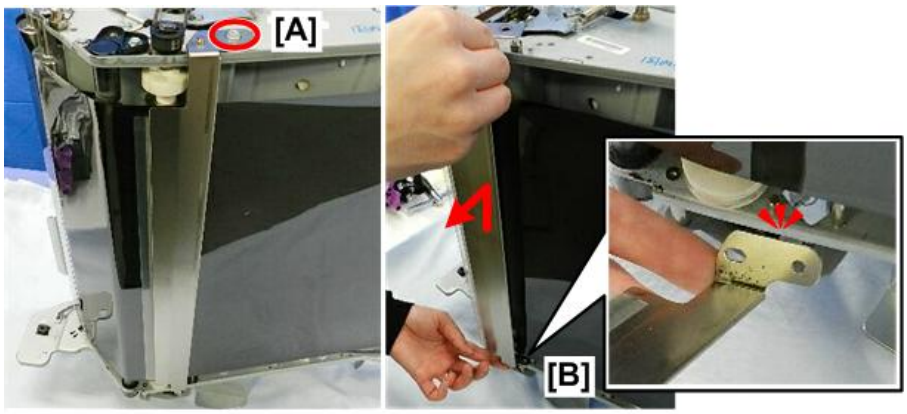
12. Before removing the paper transfer bias roller plate, turn the timing belt [A] at the front so that the flat side of the cam [B] is visible on the right. This will make the plate easier to remove.



d1803102

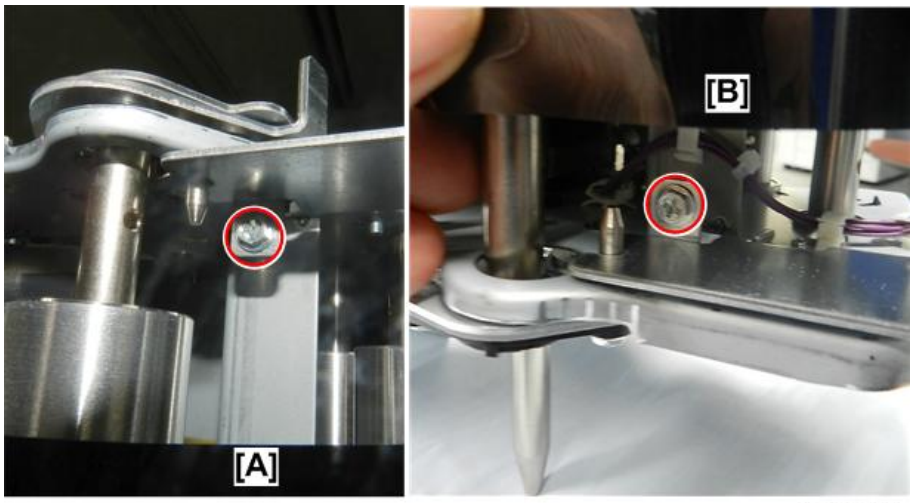
13. At the bottom front, disconnect the paper transfer bias roller plate [A] (x1).

14. At the bottom rear, disconnect the plate holes from the pins [B].



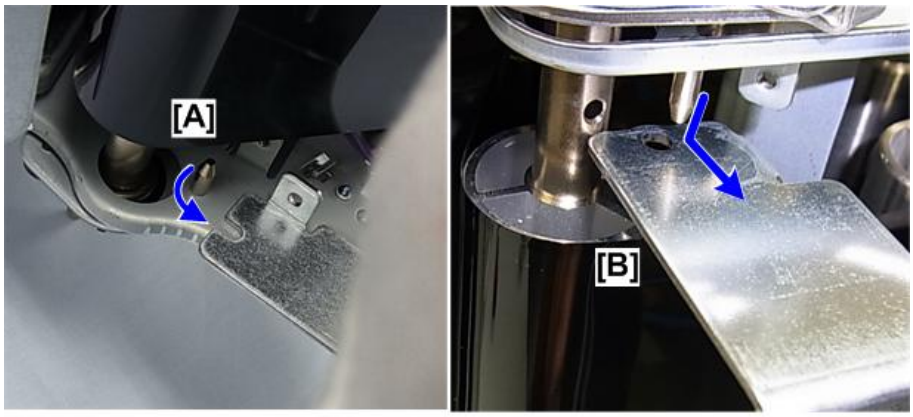
d1793109

15. Remove the screws at the top edge [A] and bottom edge [B] of the belt (x2).



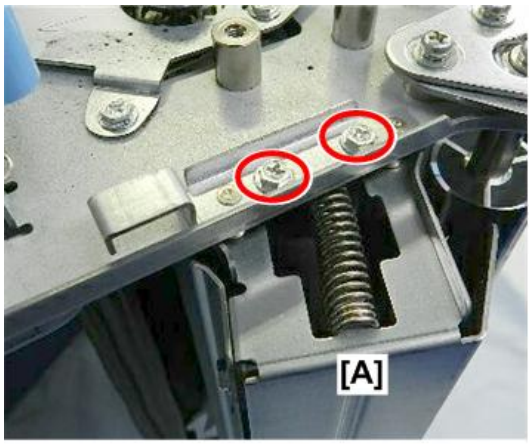
d270b3111

16. At the bottom [A], pull the brace away from the post.
17. At the top [B], pull the brace down slightly off the post, and then remove the brace.



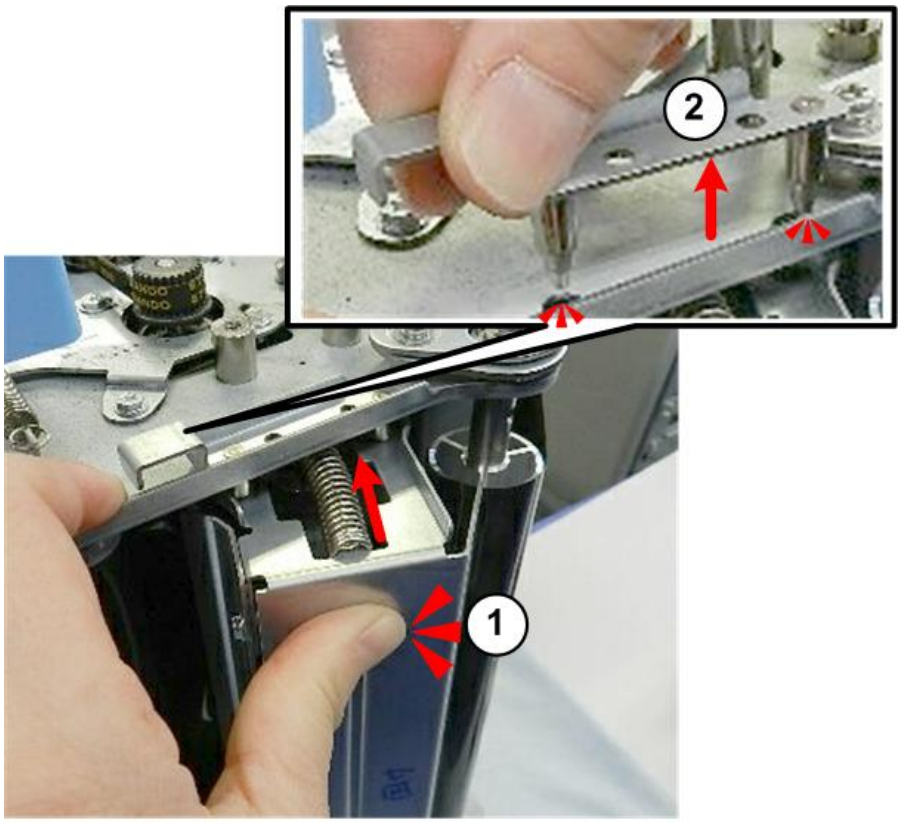
d270b3110

18. At the front, disconnect the belt tension plate [A] (x2.)



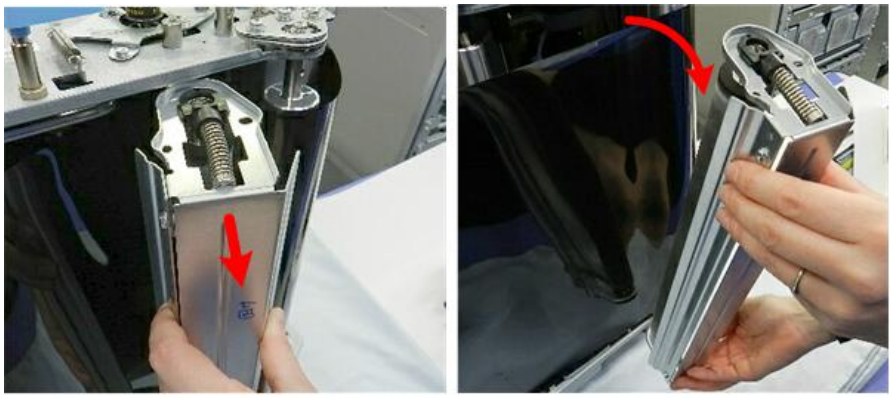
d1793111

19. While pressing firmly down on the plate ①, remove the lock plate ②.



d1793112

20. Remove the tension plate unit.

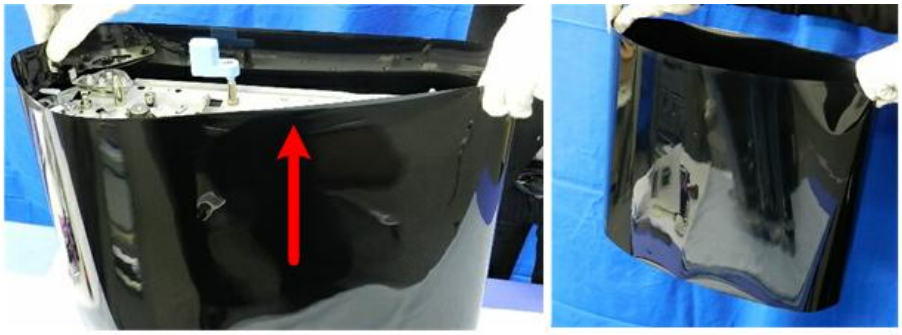


d1793113

21. Slowly, pull the transfer belt up and off the ITB unit.

Important

- If the belt is to be discarded, you do not have to be careful about touching the surface of the belt.

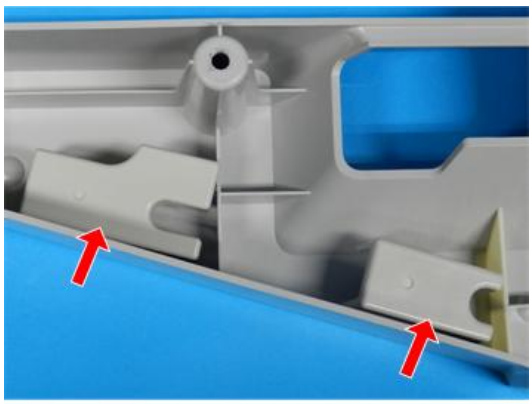


d1793114

22. Either edge of the belt can be installed facing forward.

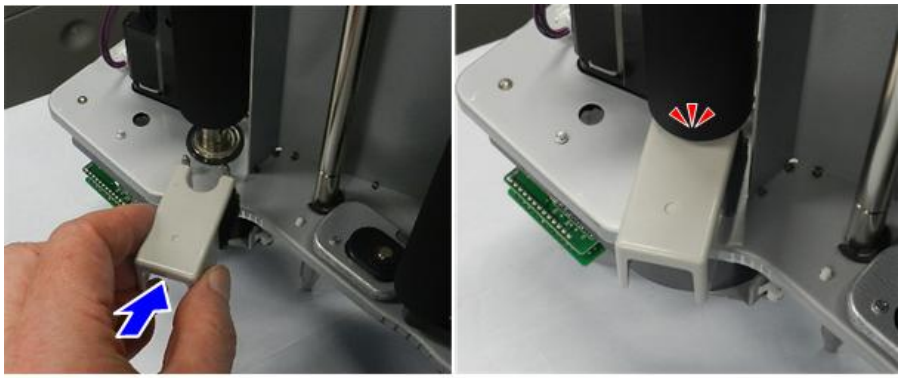
Belt Re-installation

1. Remove the two belt jigs stored inside the ITB cover you removed earlier. You need these jigs to hold the belt in the correct position for re-installation.



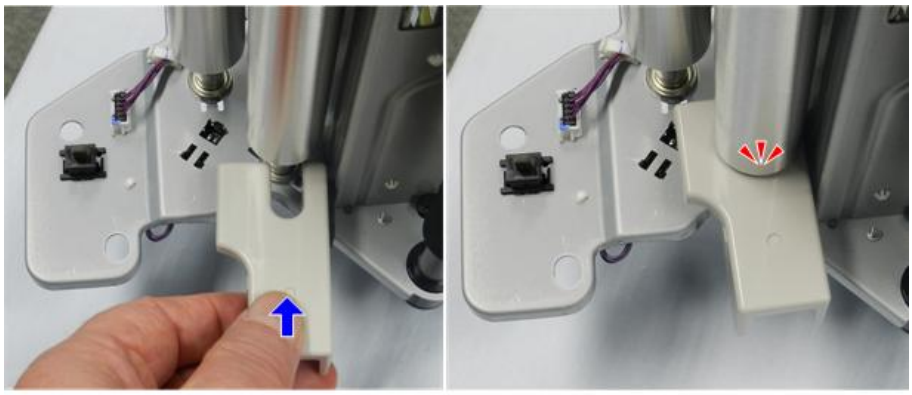
d270b3105

2. Set the short jig on the end of the drive roller on the motor side.



d270b3106

3. Set the long jig on the front shaft of the roller on the push-switch side.

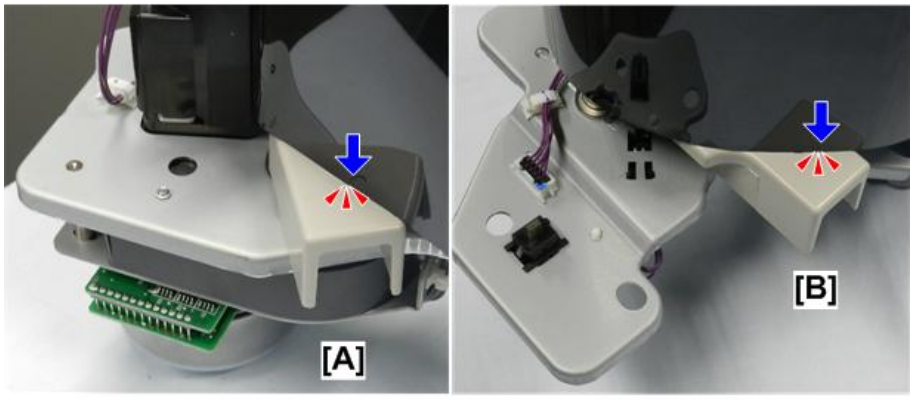


d270b3107

Note

- Either edge of the belt can be lowered over the ITB unit.

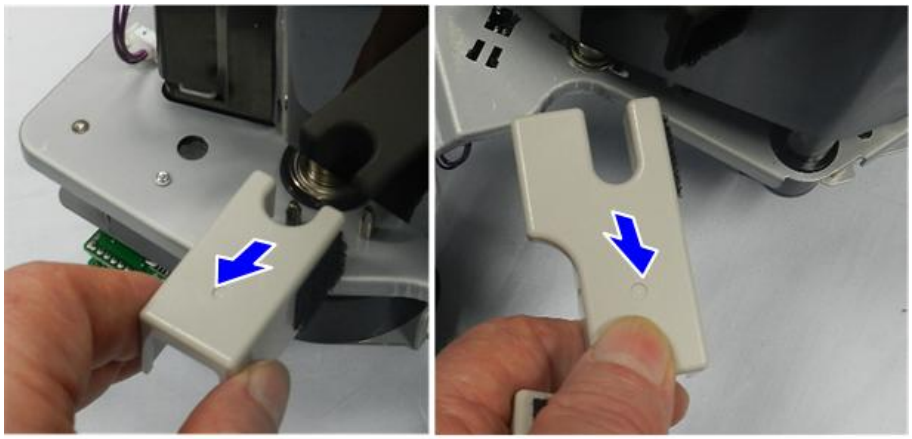
4. When you set the belt, the front edge of the belt will go down as far as the jigs on the left [A] and on the right [B]. This holds the belt at the correct position.



d270b3108

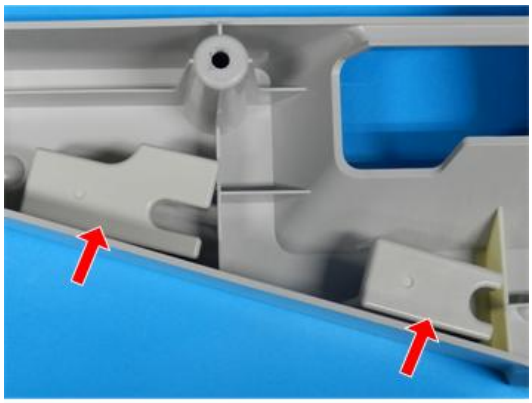
5. Re-attach the belt tension plate.

6. Be sure to remove both jigs.



d270b3109

7. Return the jigs to the inside of the ITB cover.

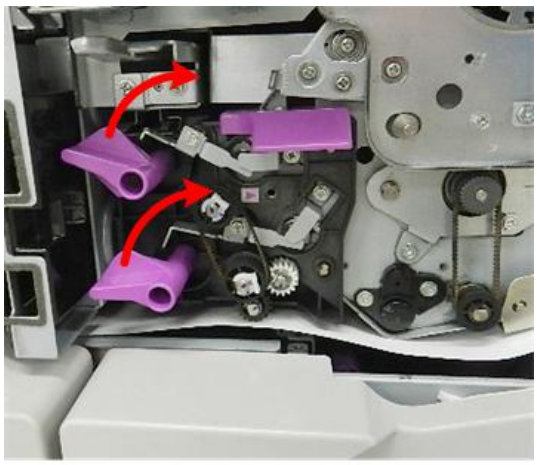


d270b3105

After Replacing the ITB

Do this procedure after installing a new ITB.

1. Make sure that the machine is turned off.
2. Open the front doors.
3. With the ITB unit and ITB cleaning unit both installed, make sure that the levers of the ITB cleaning unit are up so that the lubricant blade and cleaning blade are separated from the belt.



d1793203

4. Remove the PTR. (PTR Unit Removal)
5. Remove the drum cleaning unit. (Drum Cleaning Unit)

Note

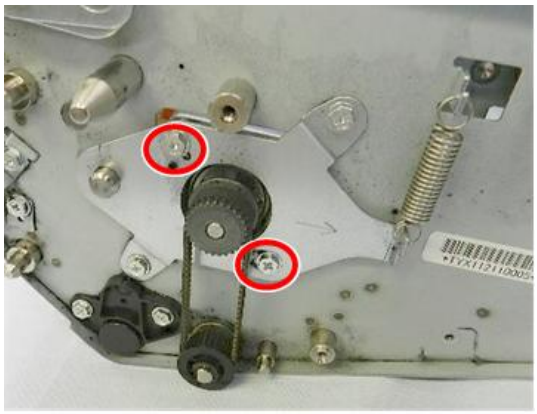
- Normally the ITB and PTR rotate together because they are driven by the same motor. The PTR must be removed before switching on the belt lubrication mode to prevent the cleaning blade from hanging up and scouring the PTR during idle rotation.
- Similarly, the drum cleaning unit must also be removed before switching on the belt lubrication mode to prevent the cleaning blades of the drum cleaning unit from hanging up and scouring the surface of the bare drum during idle rotation.
- The drum cleaning unit and ITB cleaning unit both have lubricant bars, but toner also acts as a lubricant during normal operation. Due to the absence of toner in the belt lubrication mode, the lubricant alone is not enough to prevent the blades from hanging up on and scouring the drum, so the drum cleaning unit should also be removed.

6. Re-attach the front edge cover.
7. Turn the main machine on.
8. Enter the SP mode, and then do SP2310-001 to enter belt lubrication mode.
9. After touching [EXECUTE] close the left and right doors of the machine.
10. Wait about 5 min. for the machine to lubricate the ITB.
11. A message on the operation panel will tell you when the procedure is finished.
12. Once again, open the left and right door of the machine.
13. Turn the main machine off.
14. Re-install the PTR unit.
15. Re-install the drum cleaning unit.
16. Turn the levers to close the gap between the lubricant blade and the cleaning blade.
17. Turn the main machine on.
18. Enter the SP mode, and then reset the PM counters for all the replaced parts.
19. Leave the SP mode, and then close the front doors.
20. Process control will start automatically.
21. The machine will display “Ready” after process control executes successfully.
22. Enter the SP mode, and then do SP3012-001 to confirm successful completion of the process control execution.
23. If process controls fails, correct the problem by following the steps recommended for releasing the SC code.
24. After correcting the problem, service control will not execute automatically, so you will need to execute process control manually with SP3011-002.

PTR Separation Motor

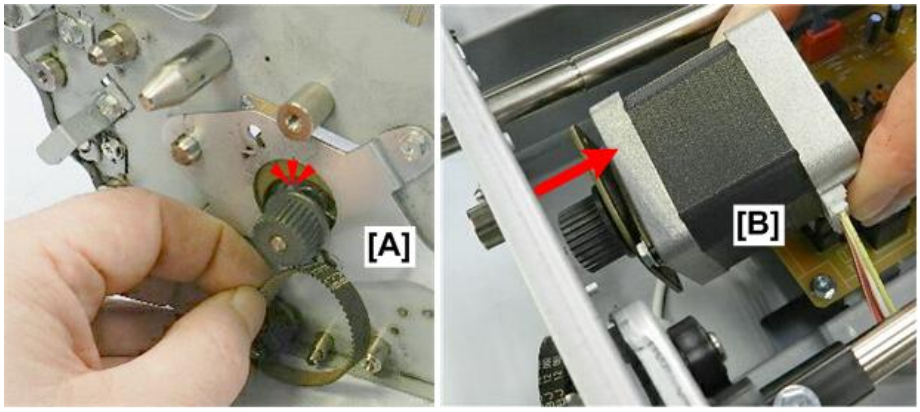
1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)

3. Disconnect the motor bracket (x2).



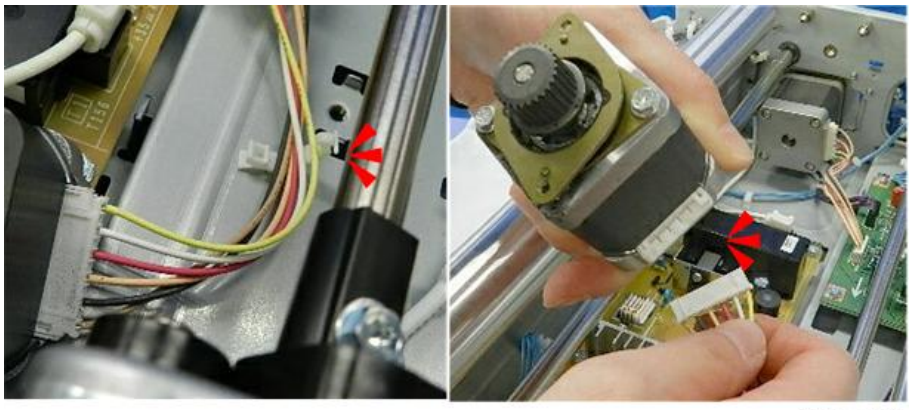
d1793117

4. Disconnect the belt [A] at the front (x1).
5. Pull the motor [B] away from the frame.



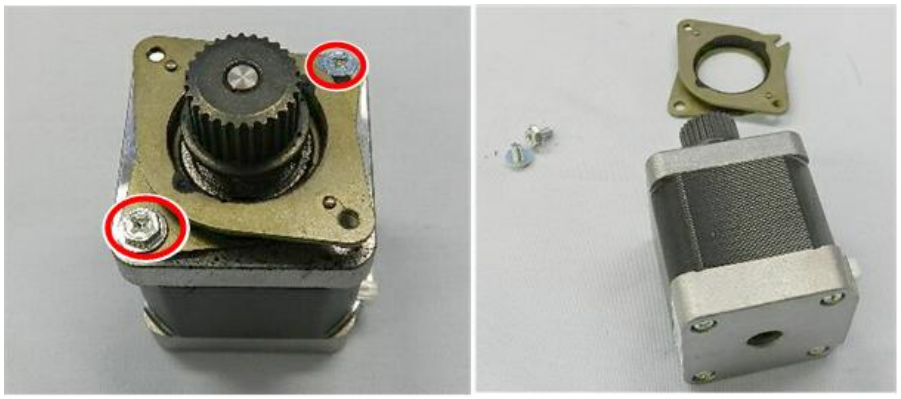
d1793118

6. Disconnect the harness and the motor (x1, x1).



d1793119

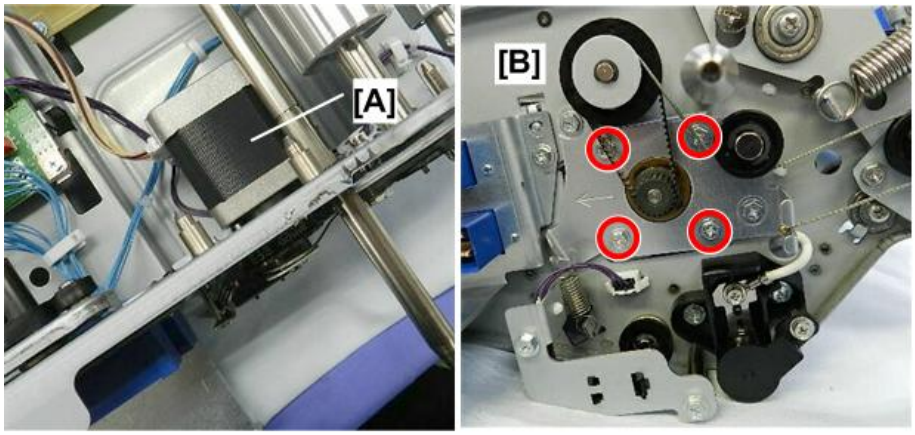
7. Separate the motor and the collar bracket (x2).



d1793120

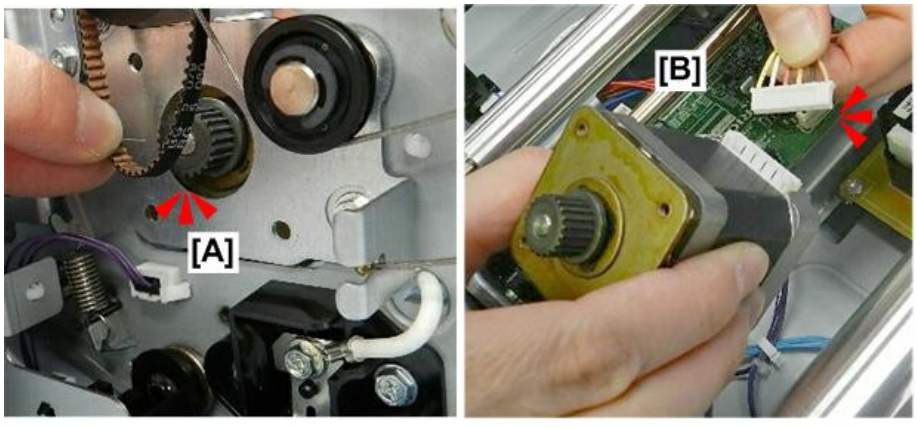
Belt Centering Motor

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. The motor [A] is at the front right corner of the ITB unit.
4. On the front side, disconnect the motor bracket [B] (x4).



d1793121

5. Disconnect the belt [A] (x1).
6. Disconnect the motor [B] (x1).



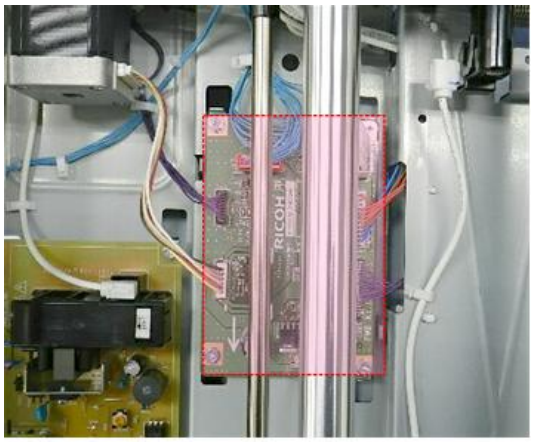
d1793122

7. Remove the motor.

d1793123

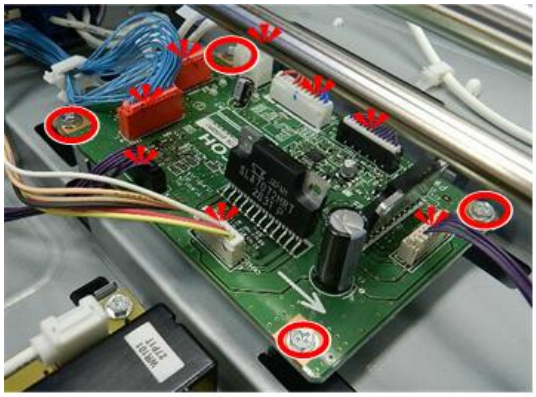
TDRB

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. The TDRB is in the center of the unit.



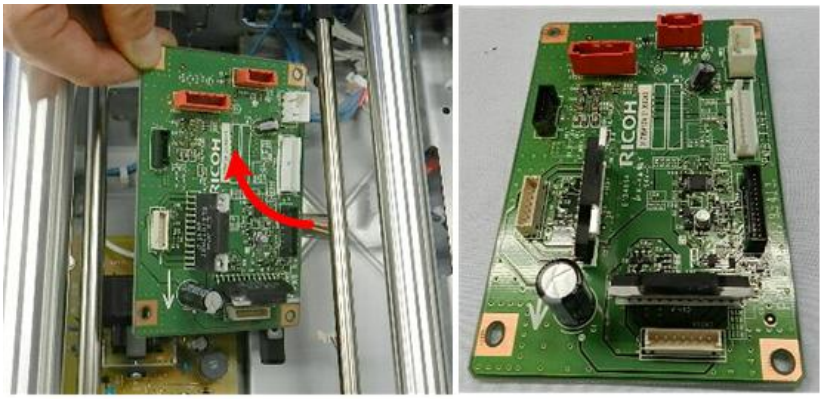
d1793124

4. Disconnect the board (x8, x4).



d1793125

5. Remove the board.



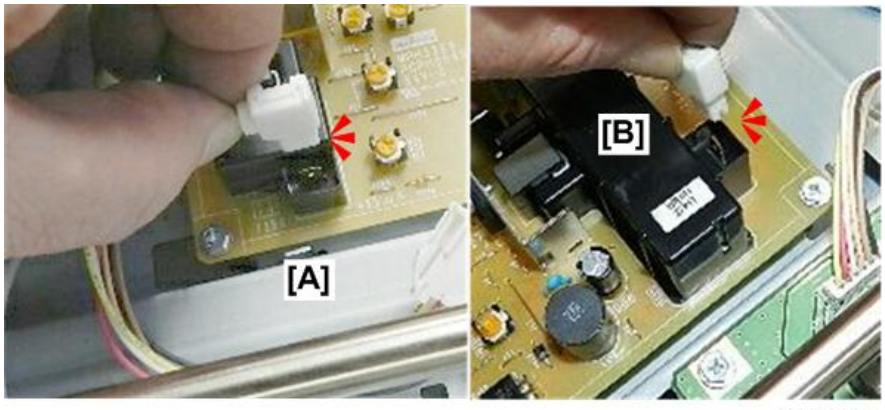
d1793126

Transfer Power Pack

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. The power pack is to the left of the TDRB.

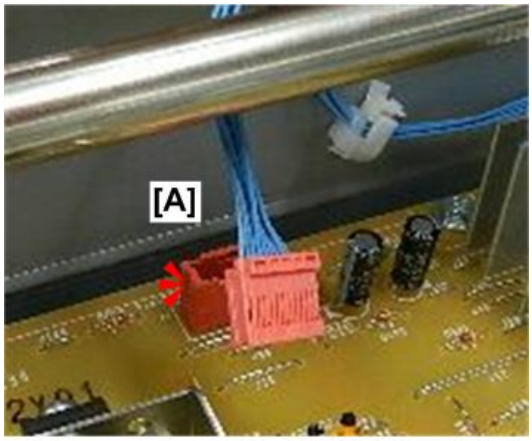
d1793127

4. Disconnect the board at the corners [A] and [B] (x2).



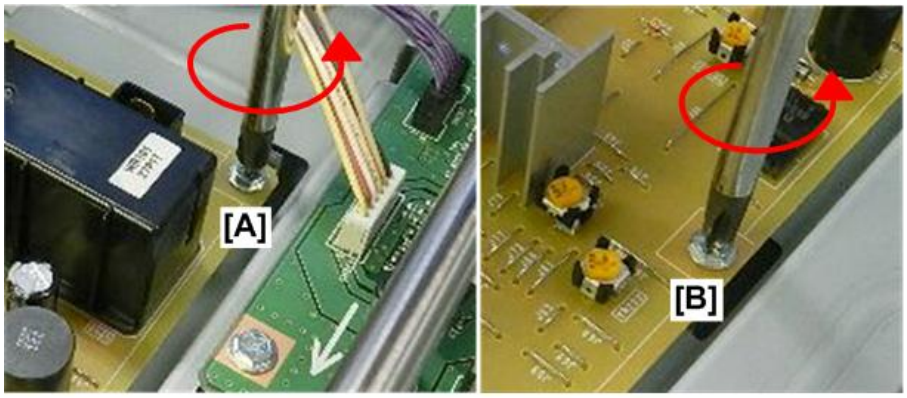
d1793128

5. Disconnect the board at the left edge [A] (x1)



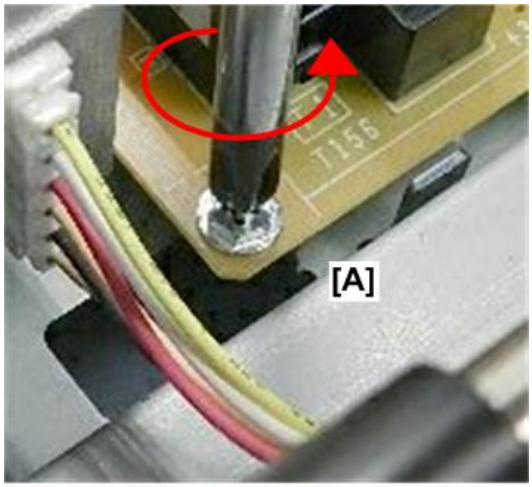
d1793159

6. Disconnect at the upper right corner [A] and the right edge [B] (x2).



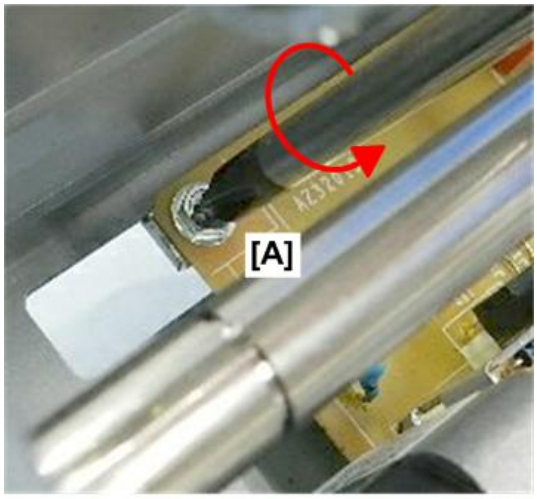
d1793129

7. Disconnect at the lower right corner [A]] (x1).



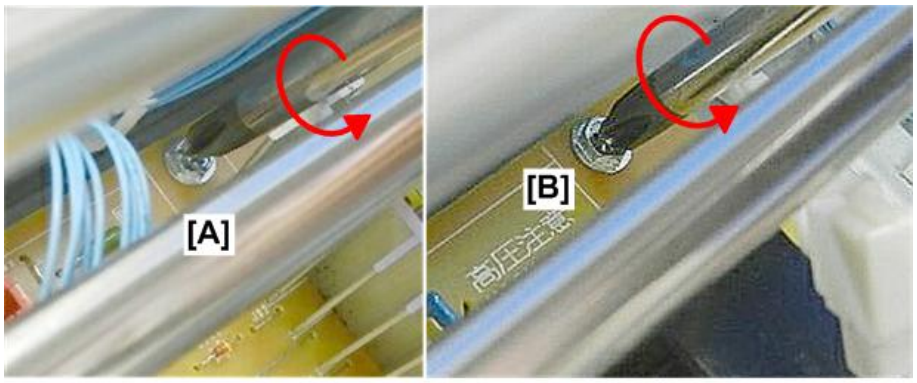
d1793160

8. Disconnect at the lower left corner [A] (x1).



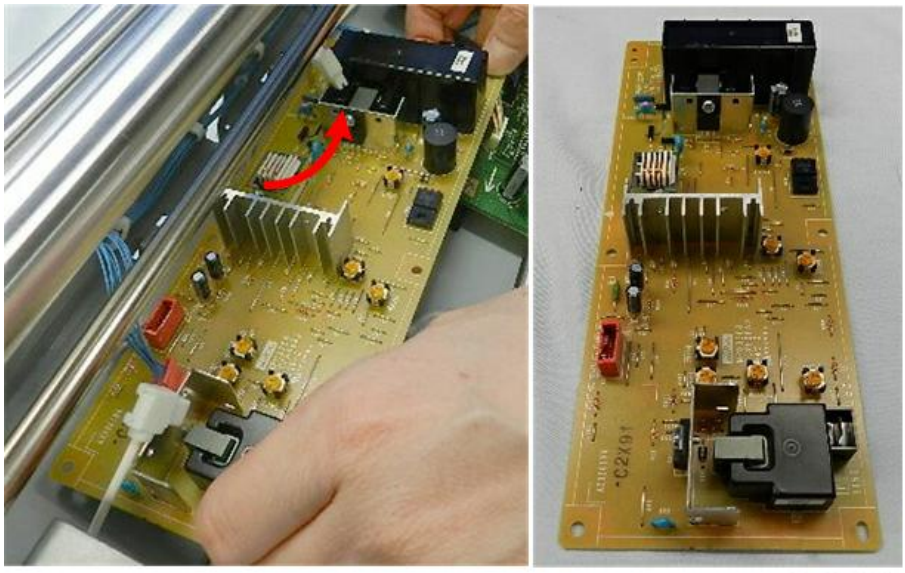
d1793130

9. Disconnect at the left edge [A], [B] (x1).



d1793161

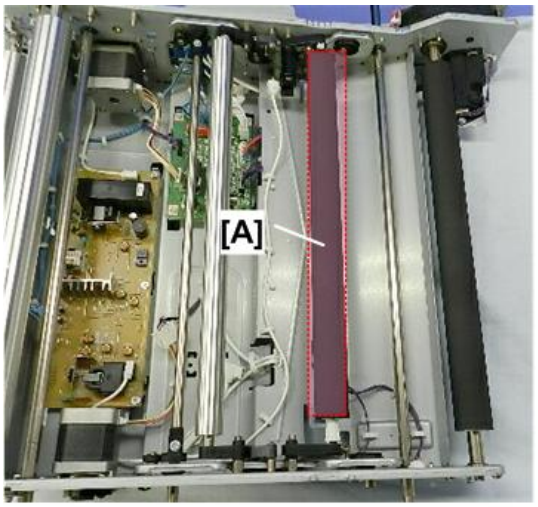
10. Remove the board.



d1793131

Transfer Roller

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. [A] is the transfer roller.



d1793132

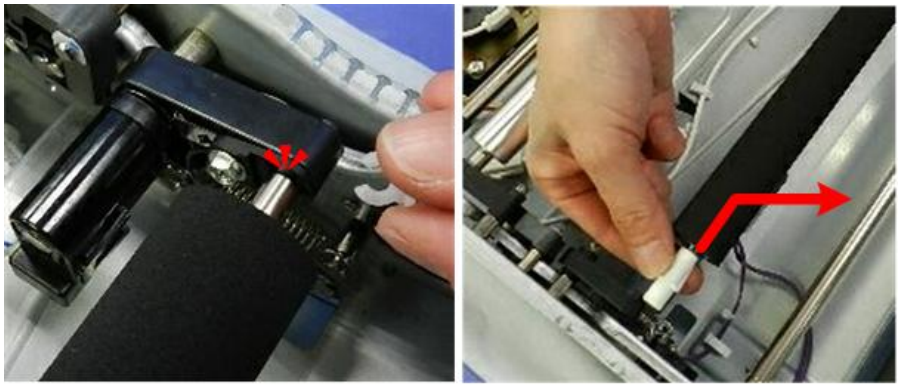
4. Turn the lever to raise the transfer roller. This will make the roller easier to remove.

d1803104

Important

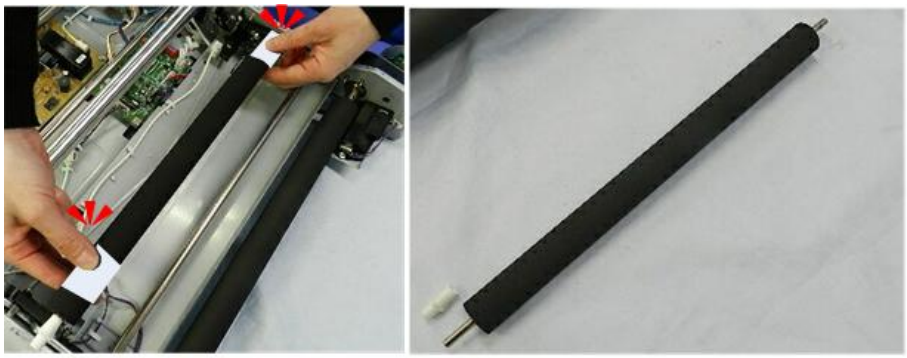
- To prevent poor image quality, never touch the surface of the transfer roller with bare hands.

5. At the rear, disconnect the end of the roller (x1).



d1793133

6. Slide the roller to the rear to disconnect it at the front, and then remove it.



d1793134

After Transfer Roller Replacement

Initiate Process Control

1. Make sure that the machine is off.
2. Open the left and right front doors of the machine.
3. Switch the machine on.
4. Enter the SP mode.
5. Reset the PM part counter for the transfer roller to zero.
6. Leave the SP mode.
7. Close the left door and right door of the machine.
8. Process control will start automatically.
9. A message on the operation panel will tell you that process control has completed.
10. Enter the SP mode.
11. Do **SP3012-001** to confirm that the process control execution completed successfully.
12. Leave the SP mode.
13. This completes the procedure.

If Process Control Fails

1. If process control did not end successfully, the machine will issue an SC code.
2. Correct the problem by following the steps recommended for releasing the SC code.

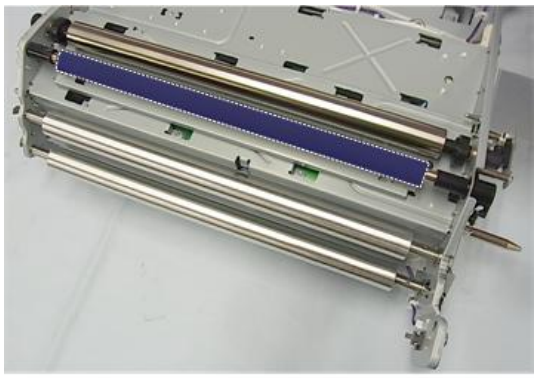
3. After correcting the problem, process control will not execute automatically, so you will need to execute process control manually with SP3011-002.

Paper Transfer Bias Roller

Important

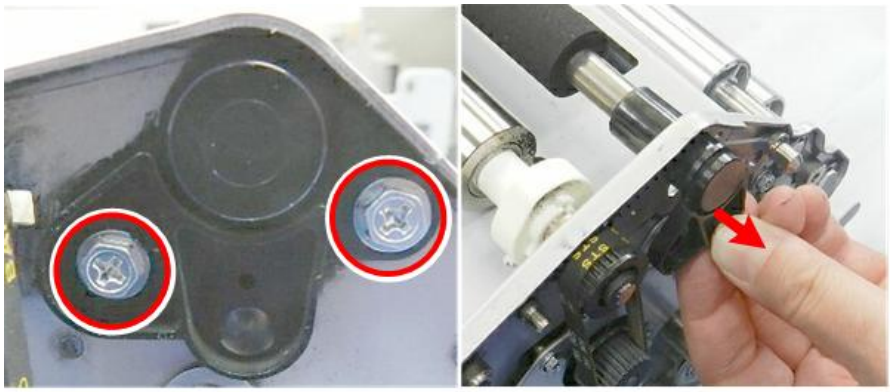
- When the paper transfer bias roller is near the end of its service life, the machine will display an alert on the operation panel to prompt the operator to call for service and request replacement of the bias roller.

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. The paper transfer bias roller is at the bottom left side of the ITB unit. (The photo shows the ITB bottom side up.)



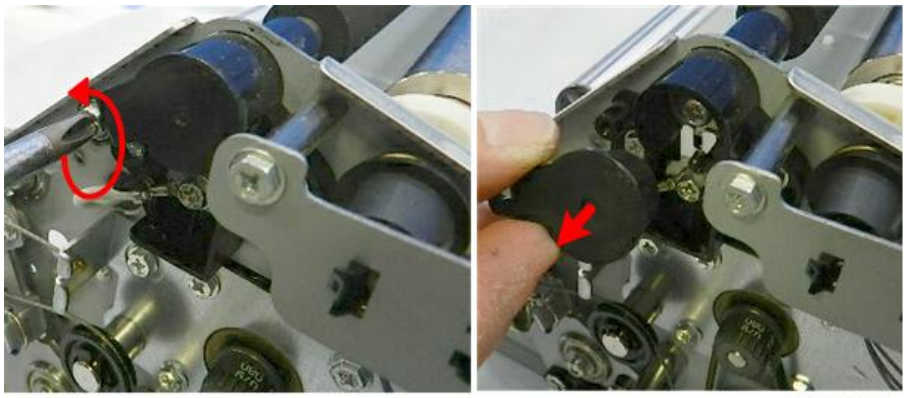
d270b3135

4. At the front, disconnect the cap (x2).



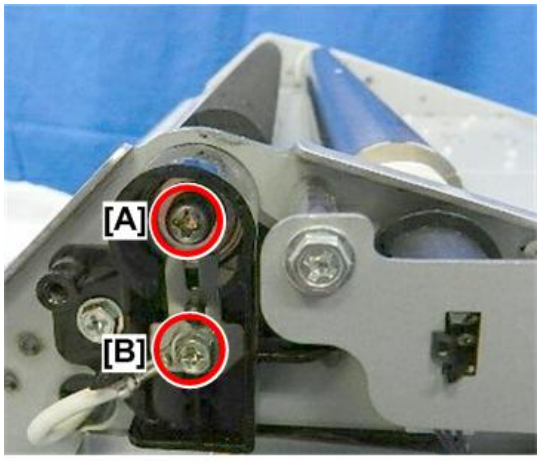
d1793136

5. At the rear, disconnect the cap and the terminal contact (x1).



d1793137

6. Disconnect the roller [A] and the terminal contact [B] (x2).



d270b3138

Important

- To prevent poor image quality, never touch the surface of the transfer roller with bare hands.

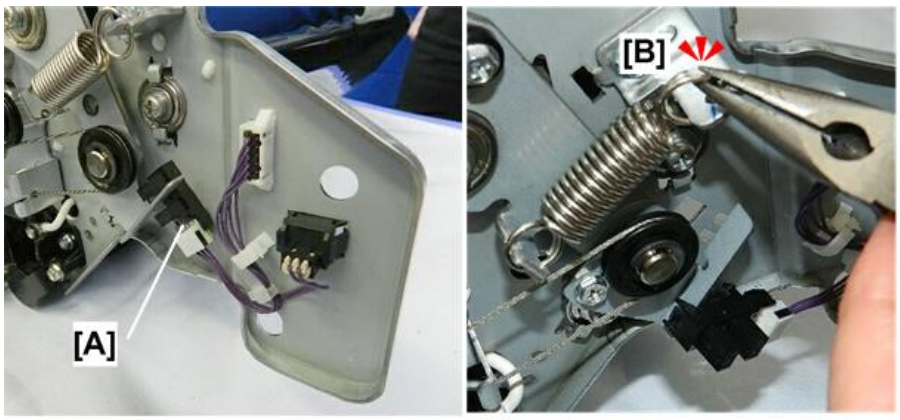
7. Remove the roller. Avoid touching the surface of the roller with bare hands.

d1793139

8. After replacement, go into the SP mode, open SP2324-002, and then reset the ITB exchange flag to zero by touching "EXECUTE". This releases the alert on the operation panel.
9. Exit the SP mode, and then cycle the machine off/on.
10. Go into the SP mode, open SP2324-001 and confirm that it is reset to zero.

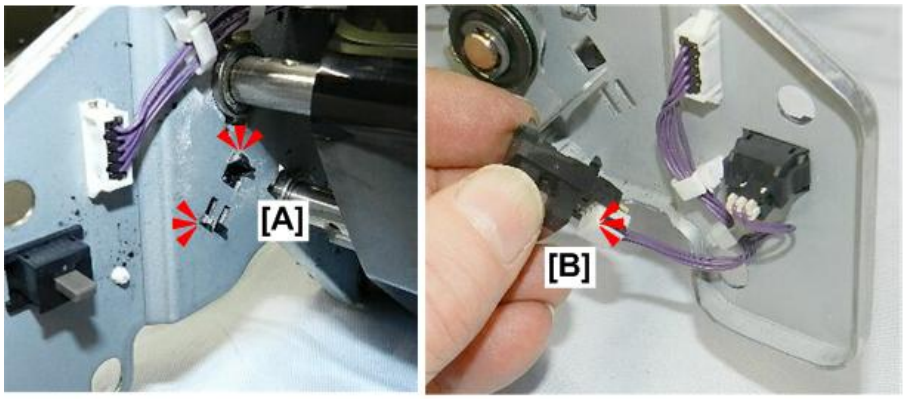
Belt Centering Roller HP Sensor

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. The sensor [A] is located at the left rear corner of the ITB unit.
4. Disconnect the spring [B].



d1793140

5. On the inner side of the frame [A], disconnect the sensor (x4).
6. Carefully move the lever to make it easier to separate the sensor [B] and its actuator.



d1793141

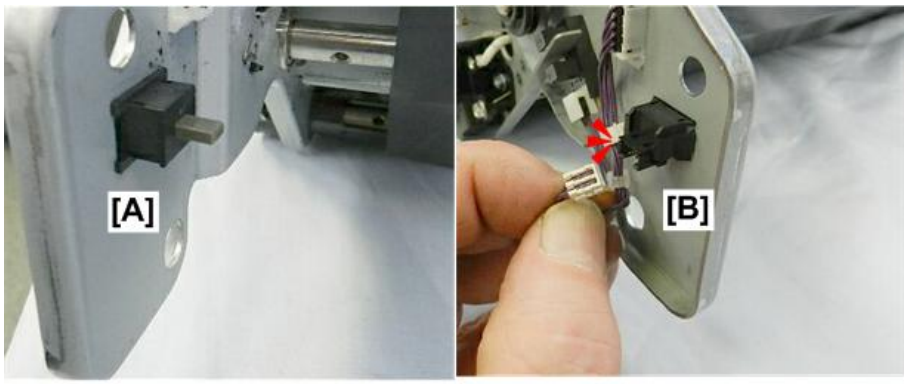
Note

- If moving the lever loosened the guide wire, restore it to its original position.

Cleaning Unit Set Switch

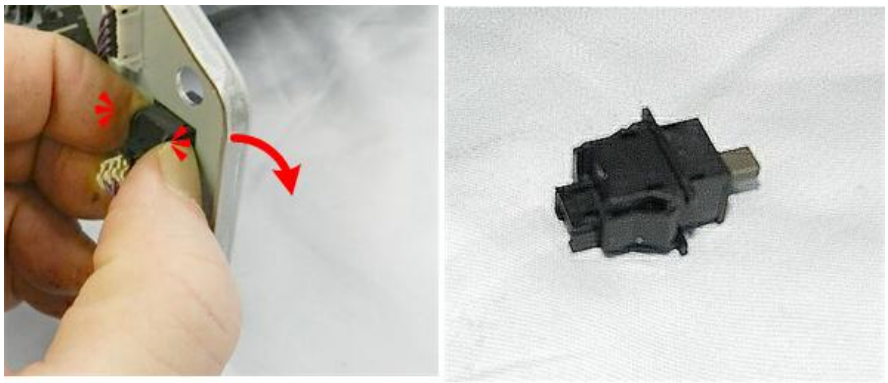
1. This switch [A] is on the far left side of the ITB unit. It can be removed after pulling out the front drawer.

2. Disconnect the switch [B] (x1).



d1793143

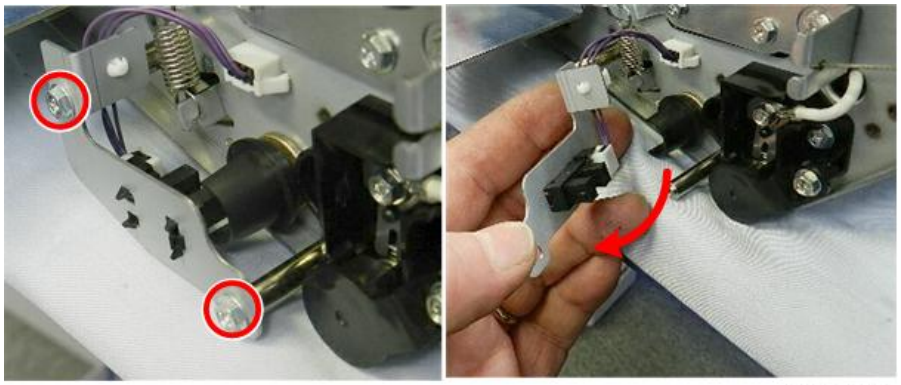
3. Pinch the sides of the switch, and then push it through the frame.



d1793144

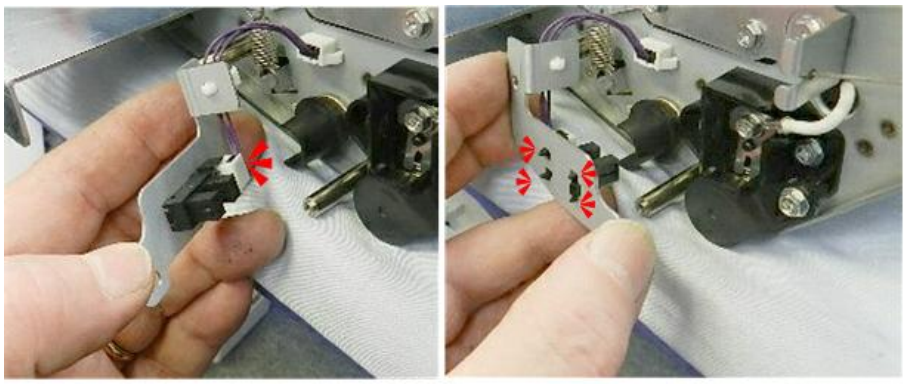
PTR Separation Sensor

1. Remove the ITB unit (ITB Unit Removal)
2. Disconnect the bracket, and then pull it away (x2).



d1793145

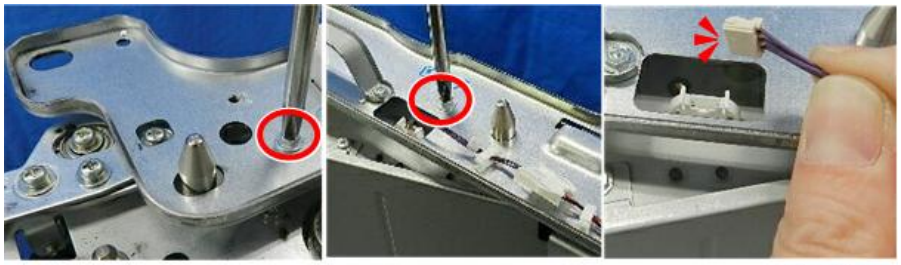
3. Disconnect the sensor (x1, x4).



d1793146

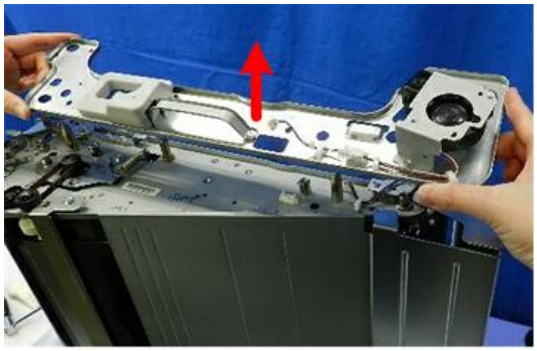
ID Sensor

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. Disconnect the handle plate (x2, x1)



d1793102

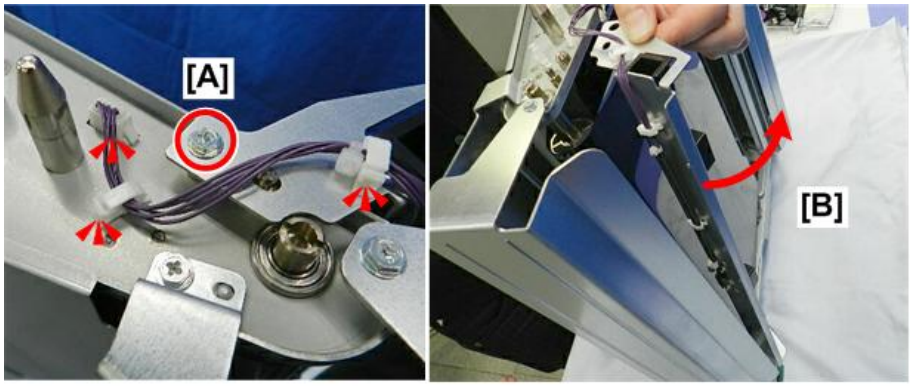
4. Remove the handle plate.



d1793103

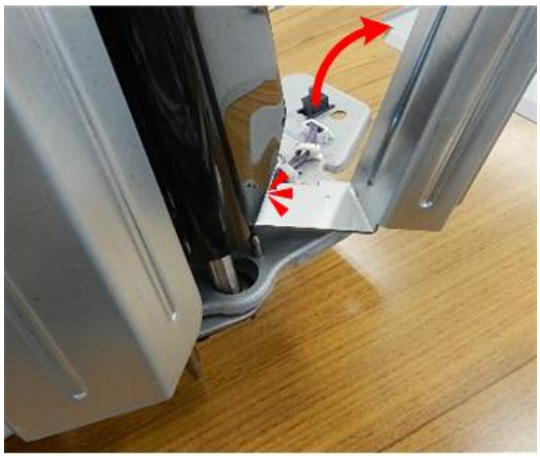
5. Disconnect the ID sensor plate at the front [A] (x2, x1, x1).

6. Disconnect at [B].



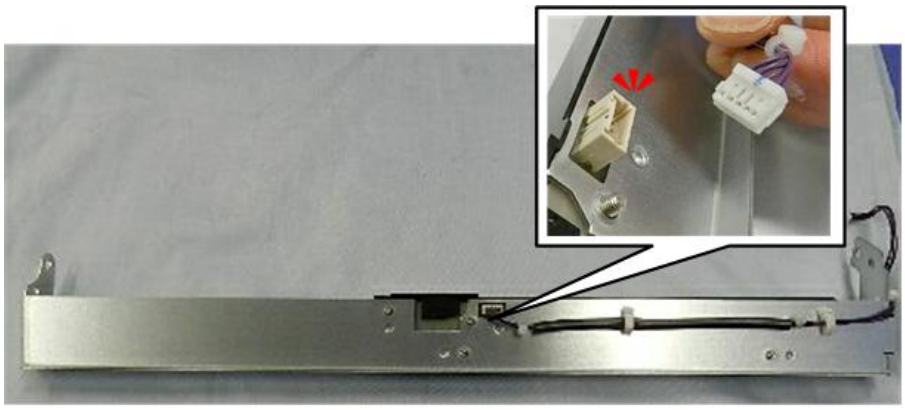
d1793104

7. When you remove the plate (and at re-installation) work slowly and hold it to prevent it from falling and damaging the belt.



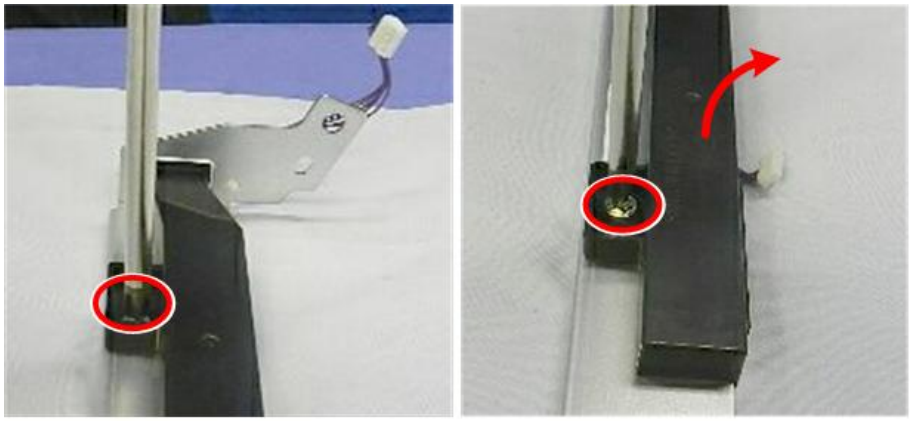
d1803103

8. Disconnect the sensor (x1).



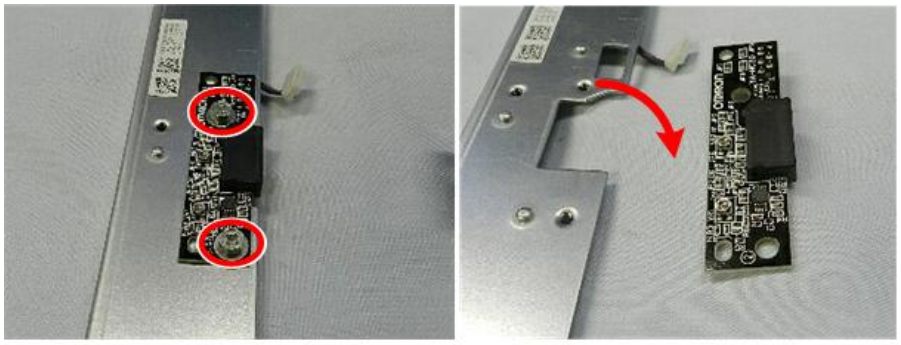
d1793147

9. Remove the sensor cover (x1).



d1793148

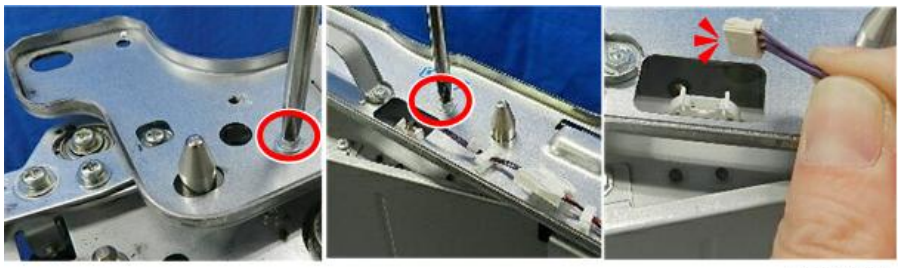
10. Remove the sensor (x2).



d1793149

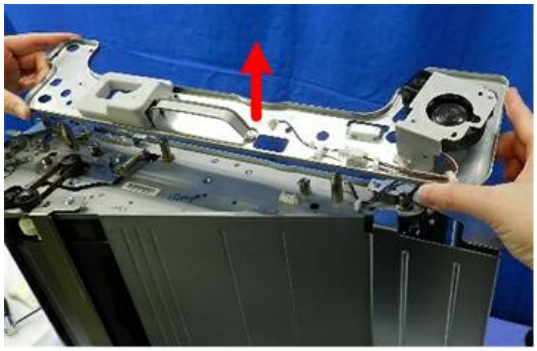
Belt Centering Sensor

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. Disconnect the handle plate (x2, x1).



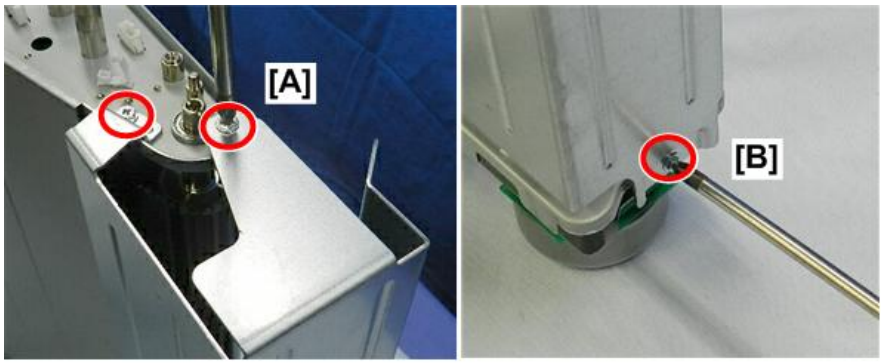
d1793102

4. Remove the handle plate.



d1793103

5. Disconnect the right end plate at the front [A] (x2).
6. Disconnect the plate at the rear [B] (x1).



d1793105

7. Remove the plate.

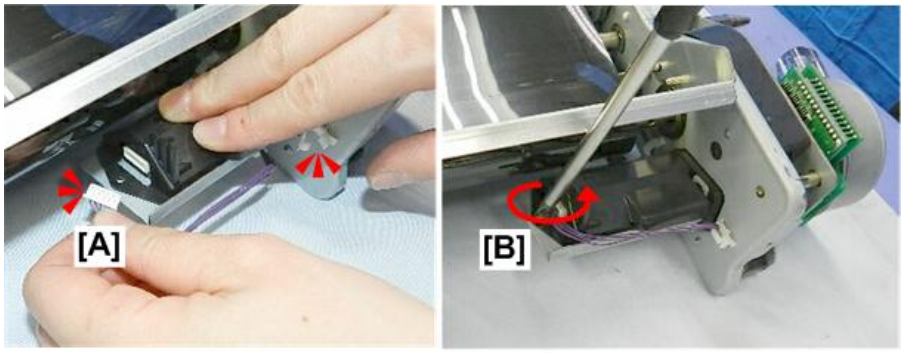
d1793106

8. Disconnect the harness [A] (x1, x1)

9. Remove the sensor cover [B] (x1).

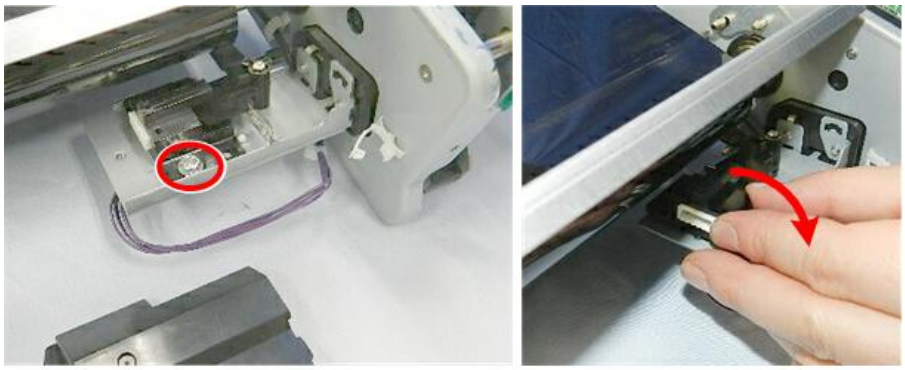
Important

- Work carefully without force to avoid damaging the bracket when you disconnect the harness and screw.



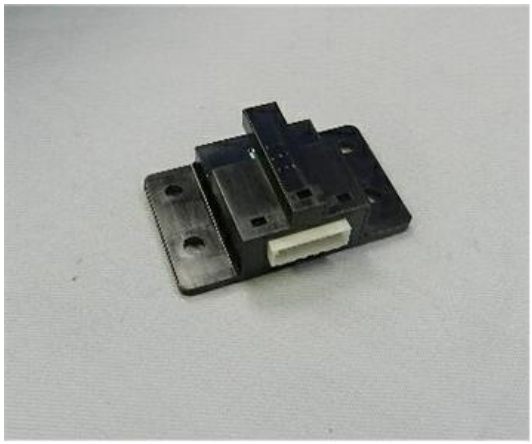
d1793150

10. Disconnect and remove the sensor bracket (x1).



d1793151

11. Remove the sensor.

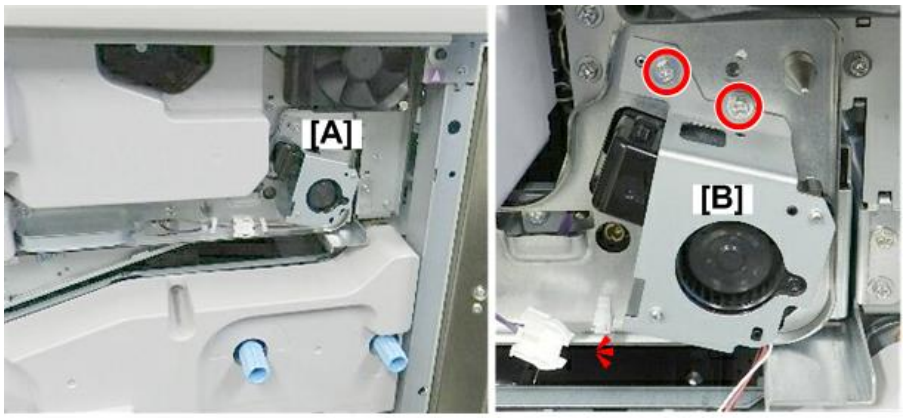


d1793152

ID Sensor Fan

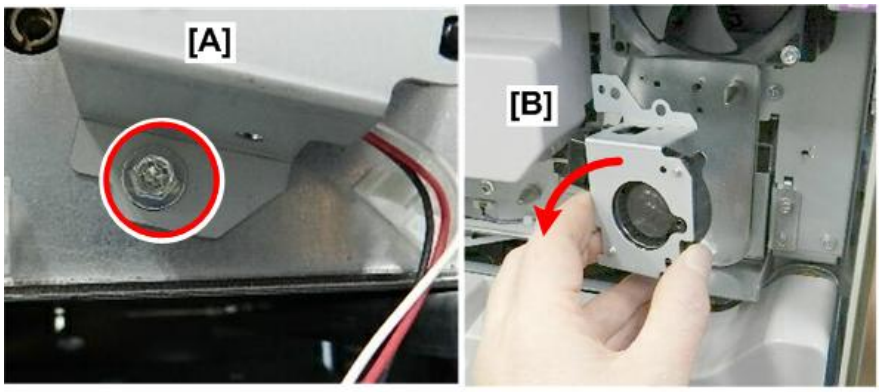
1. Remove the ITB unit (ITB Unit Removal)
2. The fan [A] is on the front right side of the unit.

3. Disconnect the top of the fan bracket and the fan [B] (x1, x1).



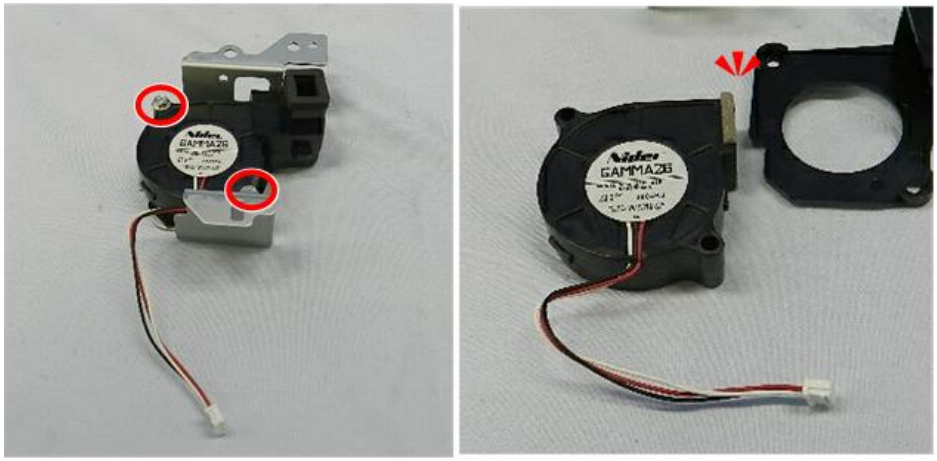
d1793153

4. Disconnect the bottom of the fan bracket [A] (x1).
5. Remove the fan bracket [B] (with fan attached).



d1793154

6. Separate fan and bracket (x2).
7. Disconnect the fan from the duct.

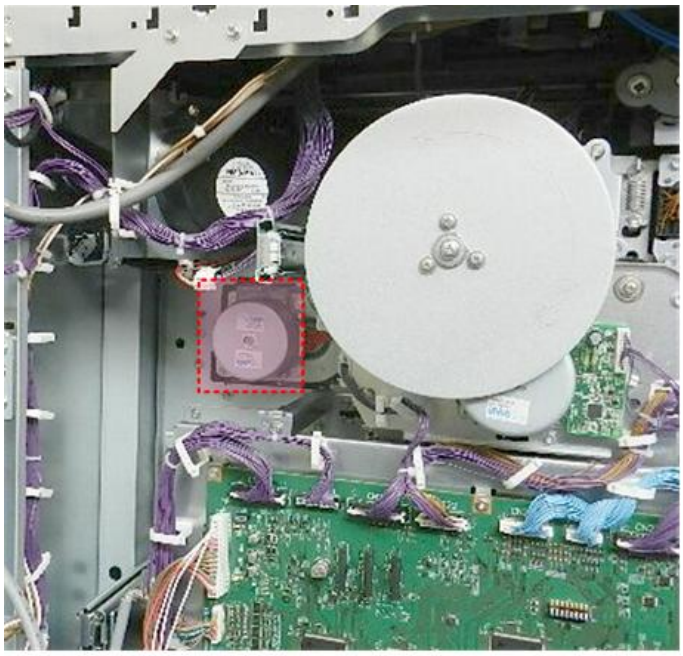


d1793155

Transport Belt Motor

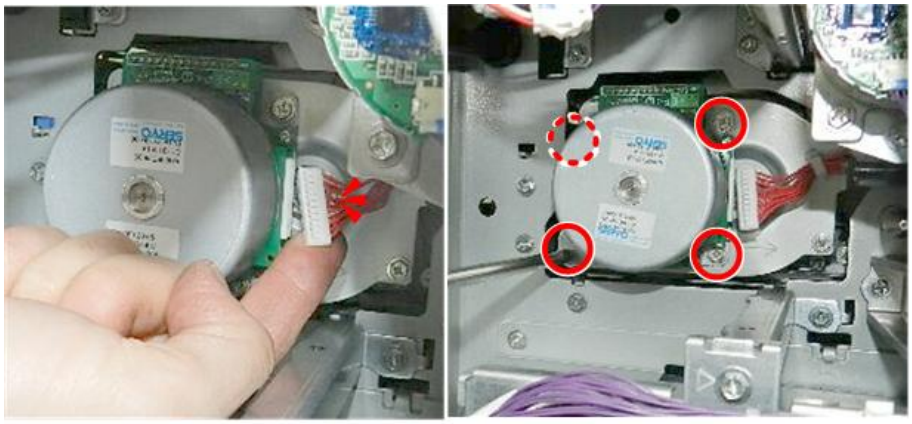
1. Open the controller box (Opening the Controller Box)

2. The motor is down and to the left of the flywheel.



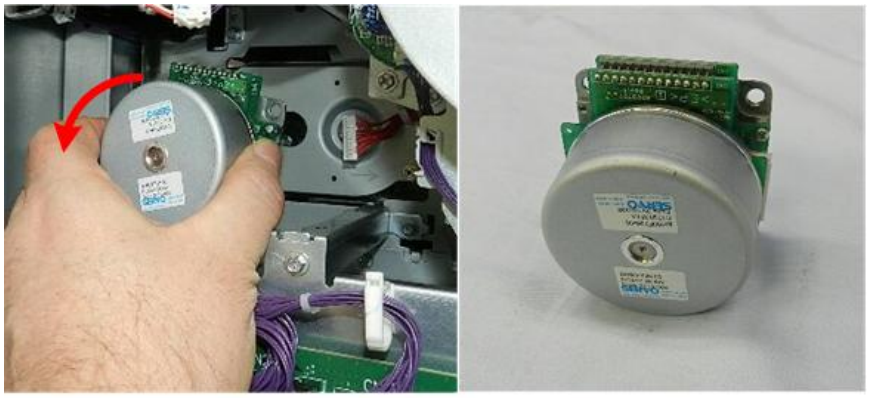
d1793156

3. Disconnect the motor (x1, x4).



d1793157

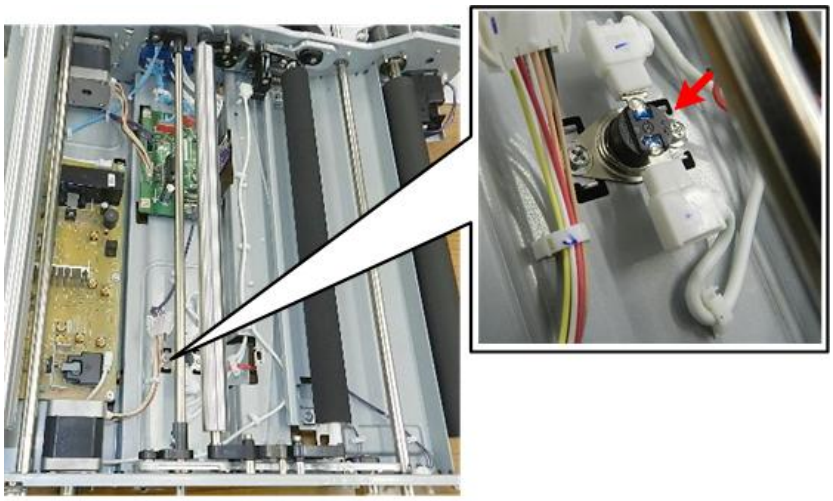
4. Remove the motor.



d1793158

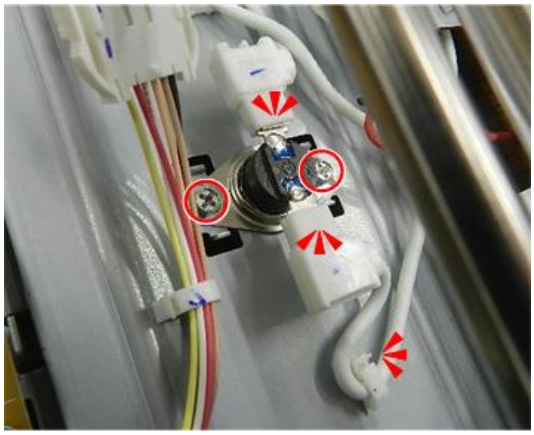
ITB Unit Thermostat

1. Remove the ITB unit (ITB Unit Removal)
2. The thermostat is located near the front of the unit.



d1803110

3. Remove the thermostat (x1,x2,x2).

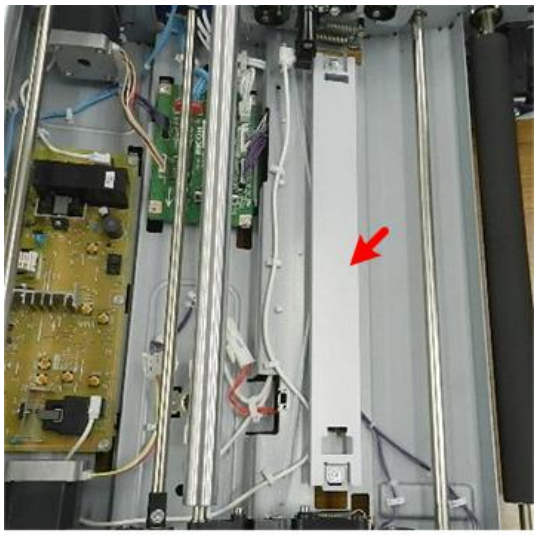


d1803111

Transfer Roller Heater

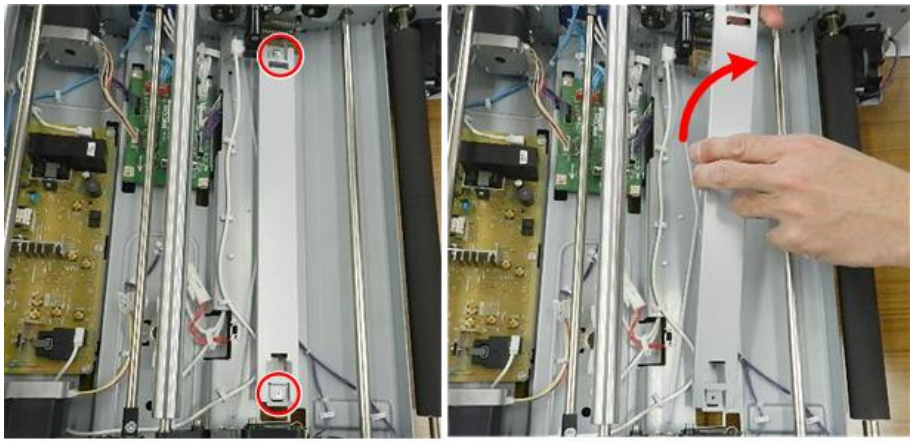
1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. Remove the transfer roller (Transfer Roller)

4. The heater is under the plate.



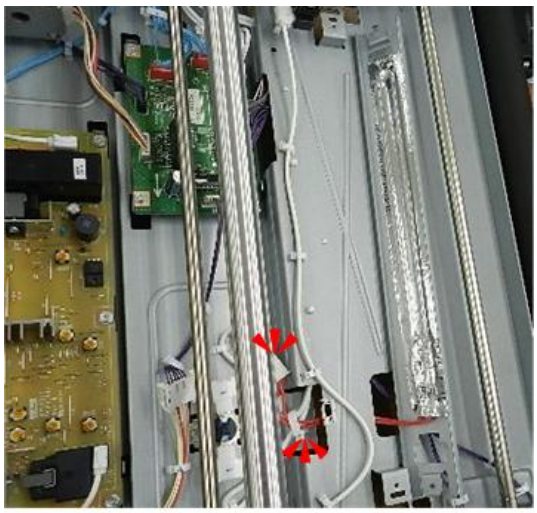
d1803112

5. Disconnect the plate (x2).



d1803113

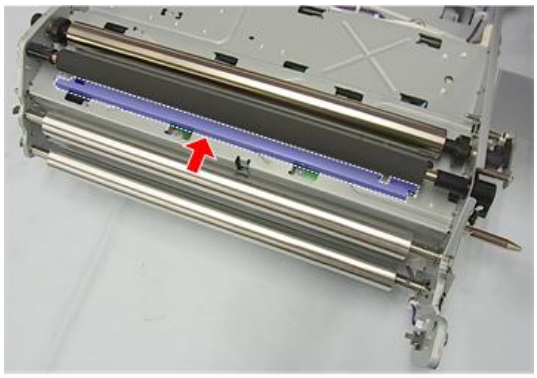
6. Disconnect the heater (x1, x1).



d1803114

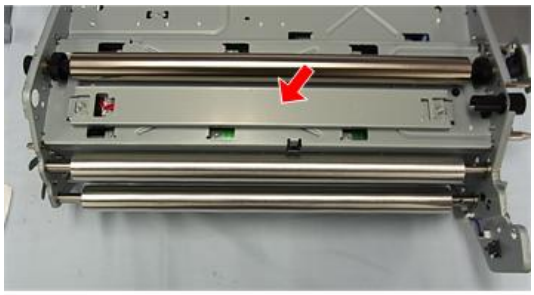
Bias Roller Heater

1. Remove the ITB unit (ITB Unit Removal)
2. Remove the transfer belt (Belt Removal)
3. Remove the PTR separation motor (PTR Separation Motor)
4. The heater is under the paper transfer bias roller.



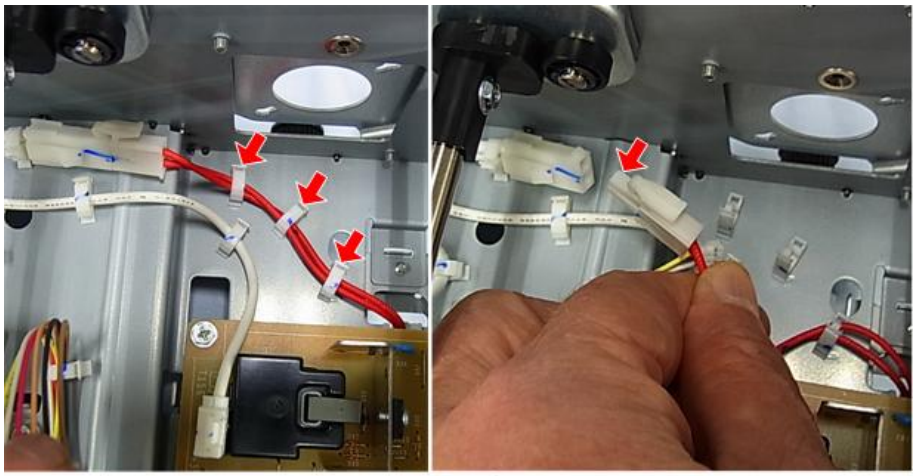
d270b3121

5. Remove the paper transfer bias roller. Paper Transfer Bias Roller
6. The heater is under the plate.



d270b3115

7. Disconnect the harness where you removed the motor.

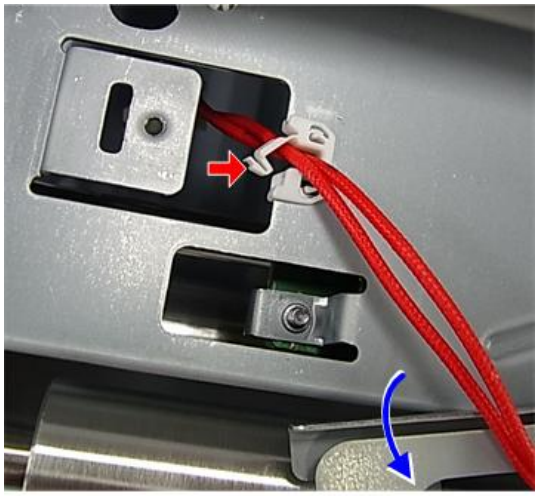


d270b3116

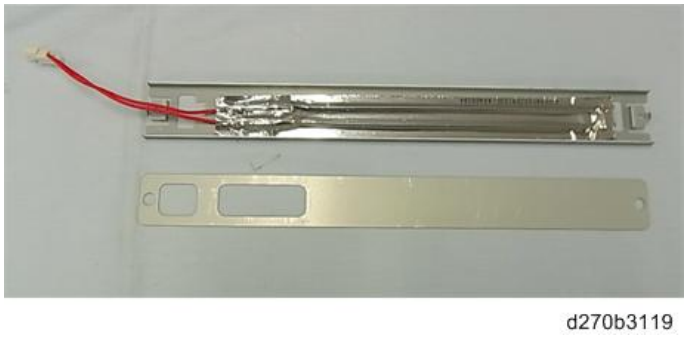
8. Turn the unit over.

9. Remove the screws to free the plate (x2).

10. Open the harness clamp where you disconnected the front end of the plate (x1).



11. Remove the plate with heater attached, and the shield plate.



ITB Cleaning Unit

ITB Cleaning Unit Disassembly

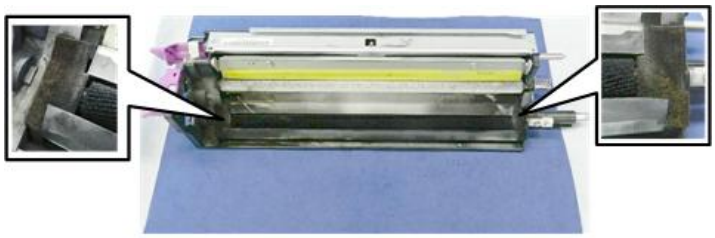
Before You Begin

Note

- The lubricant roller, lubricant bar, and lubricant blade are always replaced as one set.

Important

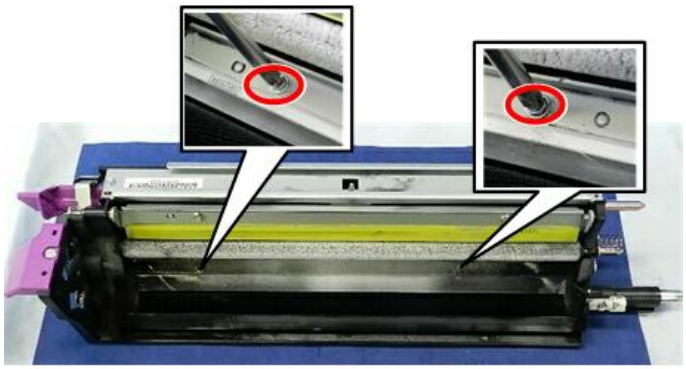
- When removing and re-installing blades, work carefully to avoid damaging the sponge seals at the ends of the blade. These sponge seals cannot be replaced in the field.



d1793217

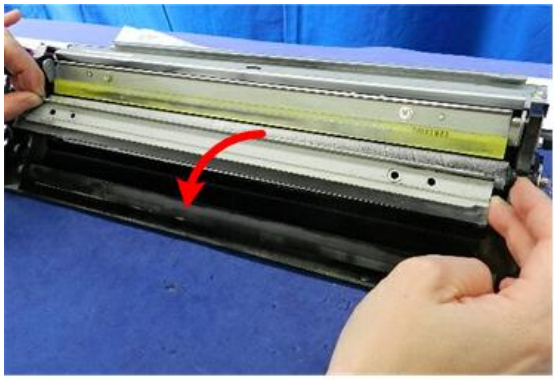
Cleaning Blade

1. Remove the ITB cleaning unit (ITB Cleaning Unit)
2. Disconnect the cleaning blade (x2).



d1793218

3. Remove the blade.



d1793219

Lubricant Roller

1. Remove the ITB cleaning unit (ITB Unit Removal)
2. Remove the cleaning blade (Cleaning Blade)

Note

- The lubricant roller, lubricant bar, and lubricant blade are always replaced as one set.

3. At the front, remove:

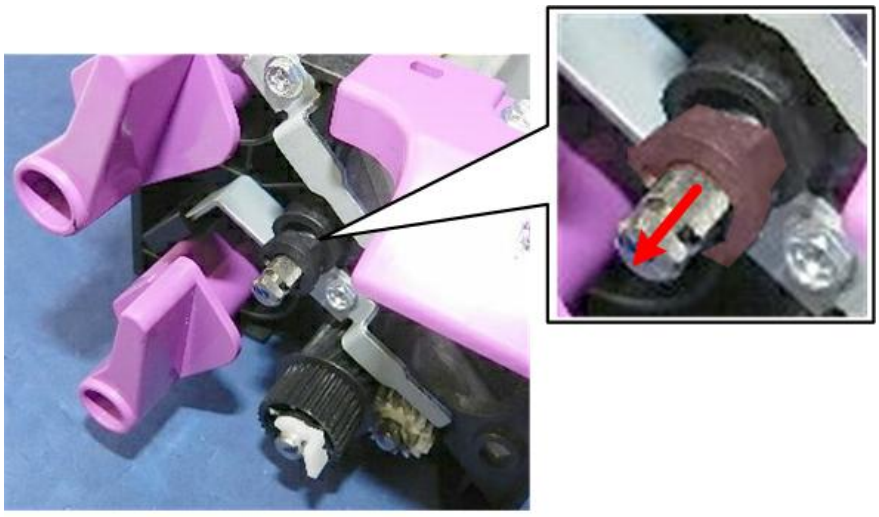
   [A] Clips (x1)

   [B] Belt (x1)

   [C] Gear (x1)

d1793220

4. Slide off the bushing.

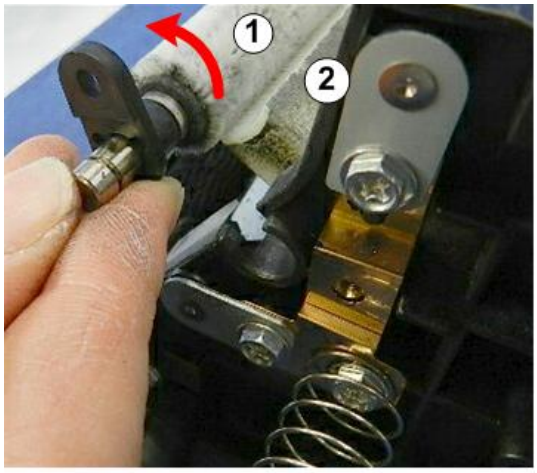


d1793221

5. At rear, disconnect the end of the roller (x1,x1,x1).

d1793222

6. Remove the roller ①. After the roller is removed, you can see the lubricant bar ②.



d1793223

Lubricant Bar

1. Remove the ITB cleaning unit (ITB Unit Removal)

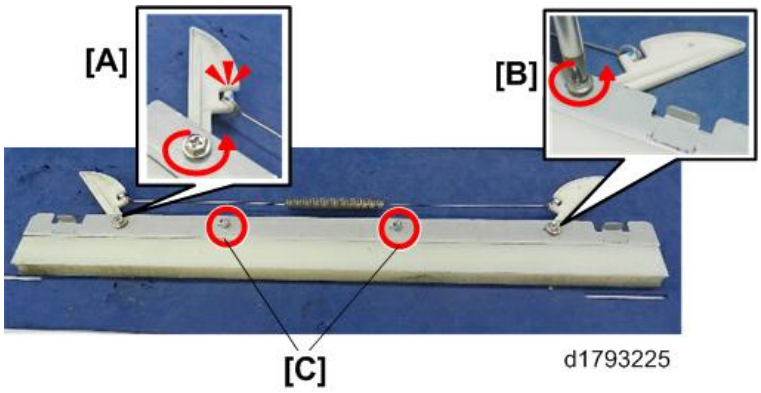
Note

- The lubricant roller, lubricant bar, and lubricant blade are always replaced as one set.

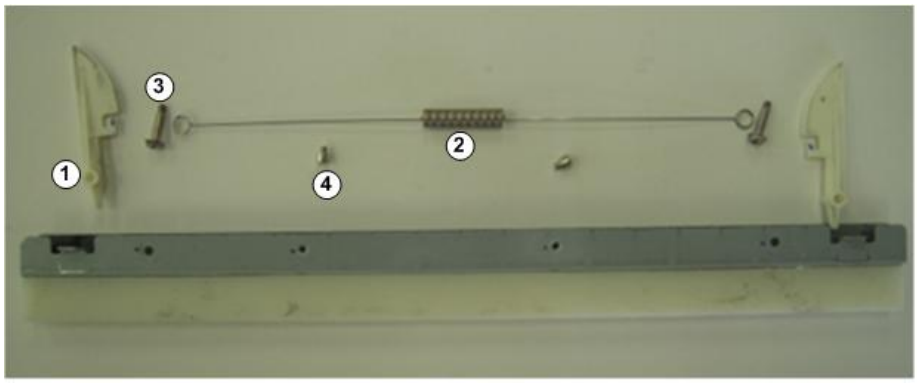
2. Remove the lubricant bar.

d1793224

3. Disconnect both arms [A] and [B] (x1,x2)
4. Remove both pins [C].



5. Do not discard the arms (x2) ①, spring (x1) ②, screws (x2) ③, and pins (x2) ④. These must be re-attached to the new lubricant bar.



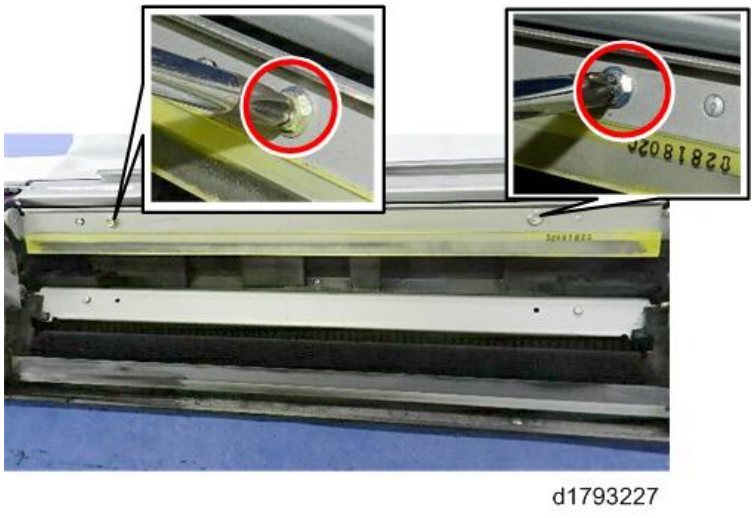
Lubricant Blade

1. Remove the ITB cleaning unit (ITB Unit Removal)

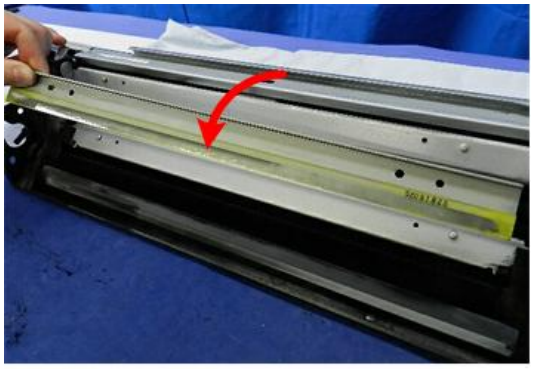
Note

- The lubricant roller, lubricant bar, and lubricant blade are always replaced as one set.

2. Disconnect the lubricant blade (x2).



3. Remove the blade.



d1793228

Notes about Lubrication

Lubricant is already applied to the following service parts at the factory, so they require no further lubrication (setting powder, yellow toner) before they are installed.

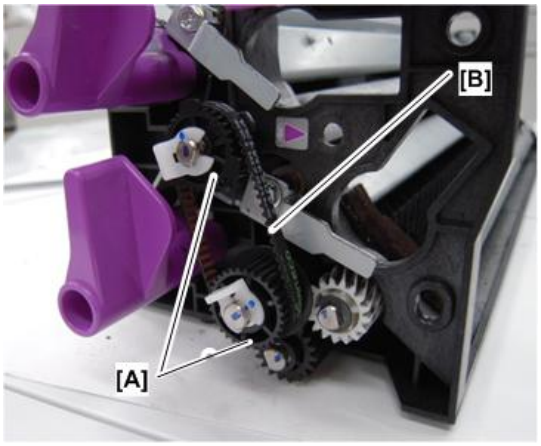
- However, you must execute SP2310-001 to force lubricant cleaning after they have been installed.
- The cleaning blade can replaced separately. It requires no lubrication, but SP2310-001 still must be done.
- The lubricant brush roller, lubricant bar, and lubricant blade are always replaced together, not separately, but SP2310-001 must be done after they are replaced.
- When the ITB unit is replaced as a unit, SP2310-001 still must be done.

Part	When Replaced Individually	When ITB Unit Replaced as a Unit
Cleaning blade*1	SP2310-001*4	SP2310-001*4
Lubricant brush roller*3	---	
Lubricant bar *3	---	
Lubricant blade*2 *3	SP2310-001*4	
*1	Setting power (zinc stearate) applied before shipping.	
*2	Yellow toner applied before shipping	
*3	Always replaced together as a set.	
*4	After replacing parts, be sure to execute force lubricant cleaning (SP2310-001).	

Cleaning Roller

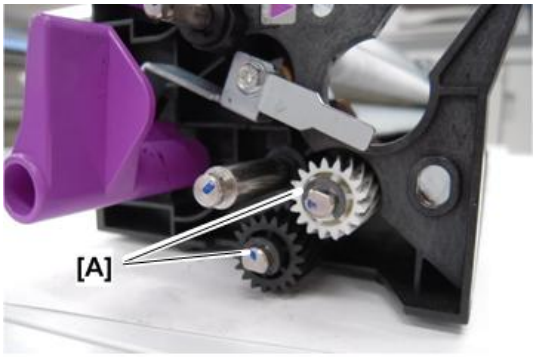
1. Remove the ITB cleaning unit (ITB Unit Removal)

2. Remove the snap rings [A] and the timing belt [B] (x2, x1).



d1793239

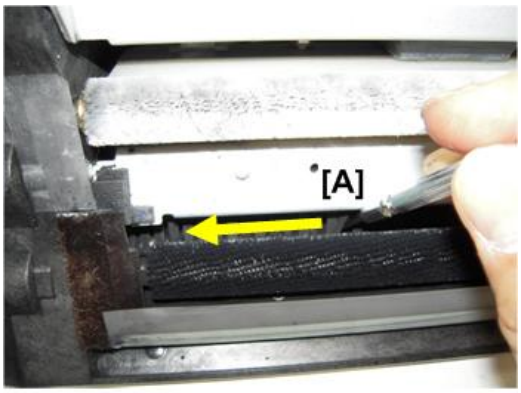
3. Remove the gears [A] (x2, x2).



d1793240

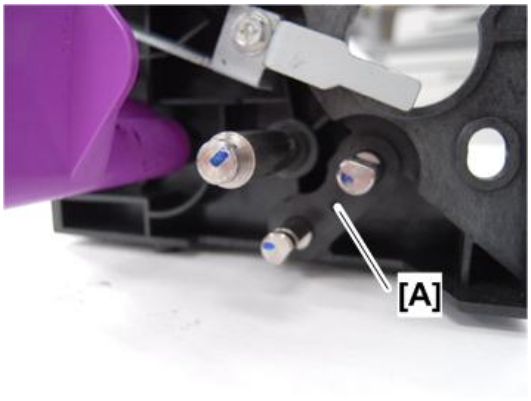
Important

- When the black gear is re-attached to the end of the coil shaft [A], work carefully. When re-installing the coil shaft in the unit, apply very light pressure on the gear as shown above to avoid scratching the mylar with the projections on the coil.



d1793241

4. Remove the front bushing [A] while holding the collection coil and cleaning roller steady.

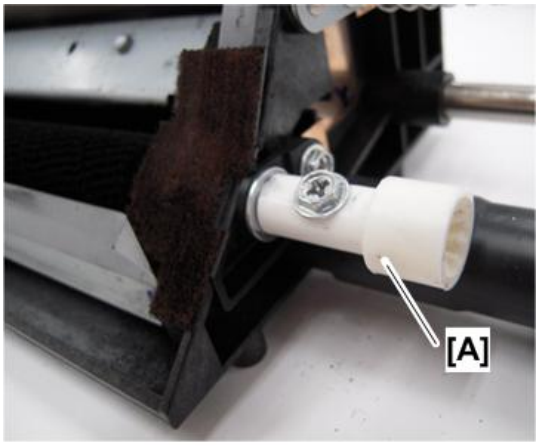


d1793242

Important

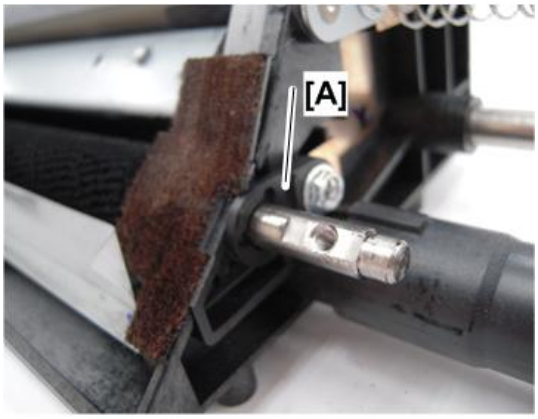
- When you re-attach the front bushing, try to avoid the projection of the lower timing belt that you removed in Step 2.

5. At the rear, remove the coupling [A] and the washer (x1,x1).



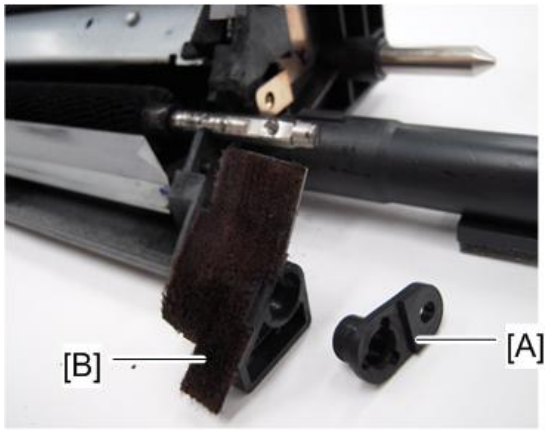
d1793243

6. While holding the cleaning roller steady, disconnect the bushing [A] (x1).



d1793244

7. Remove the bushing [A] and the holder [B].

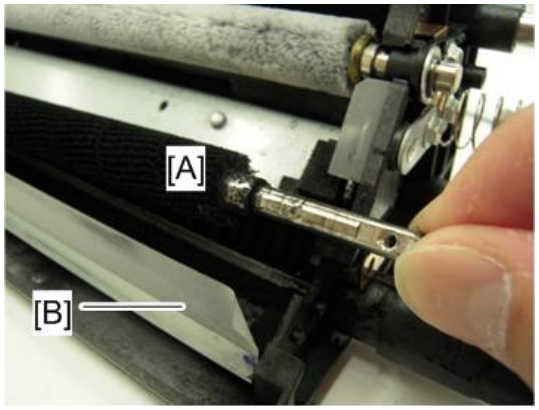


d1793245

8. Lift the cleaning roller [A] and remove it.

Important

- Work carefully to avoid damaging the fragile seal [B] near the roller.



d1793246

ITB Cleaning Unit Re-installation

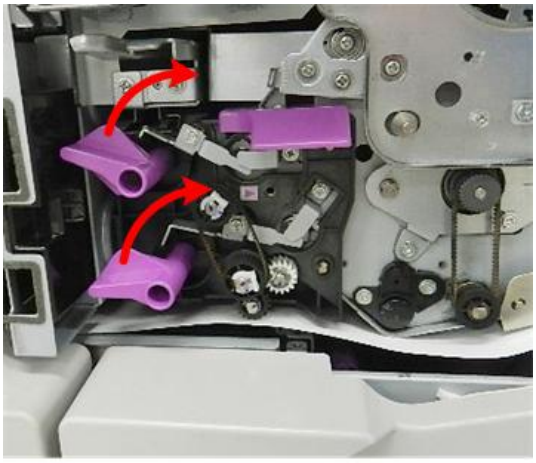
Do the procedure below with the belt cleaning mode operation, even if you are replacing only the ITB cleaning unit and not the belt.

Note

- With long use the surface of the belt could deteriorate and become slightly rough, causing its coefficient of friction to increase slightly. Also, the edges of new blades could be sharp. These conditions could cause the blades to catch easily on the belt.
- For these reasons, you must execute the belt cleaning mode (SP2310-001) to reduce the friction between the belt and replaced blades of the ITB cleaning unit.

1. Make sure that the machine is off.
2. Open both front doors.

3. Open the lubricant blade and cleaning blade by rotating the two levers up.



d1793203

4. Remove the PTR. (PTR Unit Removal)

Note

- Leave the PTR unit out of the machine.

5. Remove the drum cleaning unit. (Drum Cleaning Unit)
6. Remove the front edge cover (x2).
7. Turn the machine on and enter the SP mode.
8. Do SP2310-1 (Force Lubricant - Belt Cleaning).
9. Touch [EXECUTE], and then close the front doors.
10. Wait for about 5 minutes.
11. The machine will display a message to alert you that the process is finished.
12. Open the front doors.
13. Turn the main machine off.
14. Install the PTR unit.
15. Install the drum cleaning unit.
16. Lower and lock the levers that were opened in Step 3.
17. Turn the main machine on.
18. Reset the counters for the replaced unit or parts
    - SP 7-622-021 for ITB cleaning unit
    - SP 7-622-022 for ITB cleaning blade
    - SP 7-622-023 for ITB lubricant brush roller
    - SP 7-622-024 for ITB lubricant bar
    - SP 7-622-025 for ITB lubricant blade
19. Exit the SP mode and close the front doors.

ITB/PTR Cleaning Motor

Remove the Vertical Duct

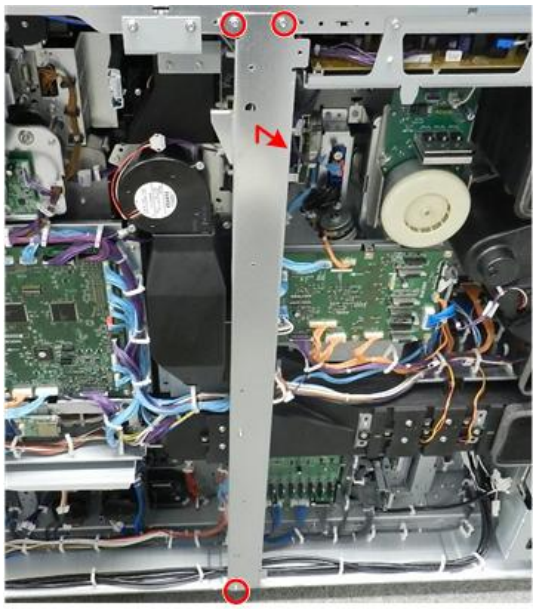
1. Remove the rear cover (Rear Cover)
2. Open the controller box (Opening the Controller Box)

d270b2226

3. Remove the controller box rear cover.

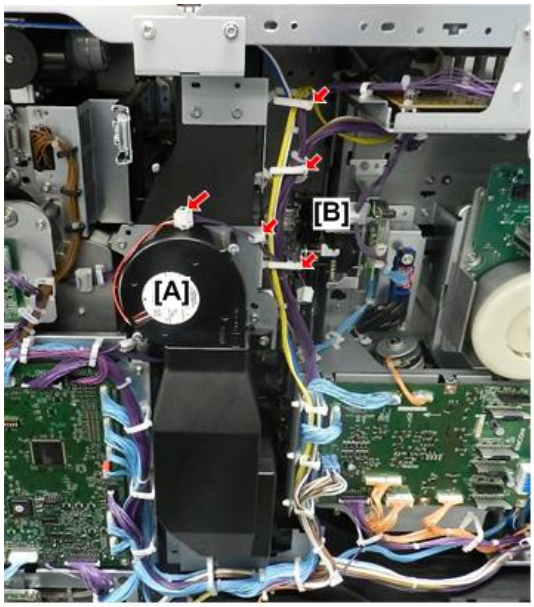
d270b2227

4. Remove the vertical stay (x3).



d270b4238

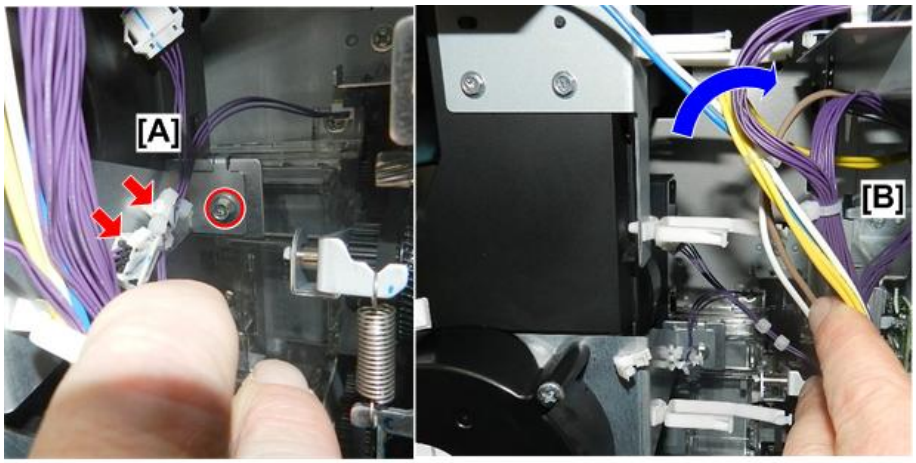
5. Disconnect the motor harness [A] (x1, x1).
6. Open the clamps [B] (x3).



d270b4239

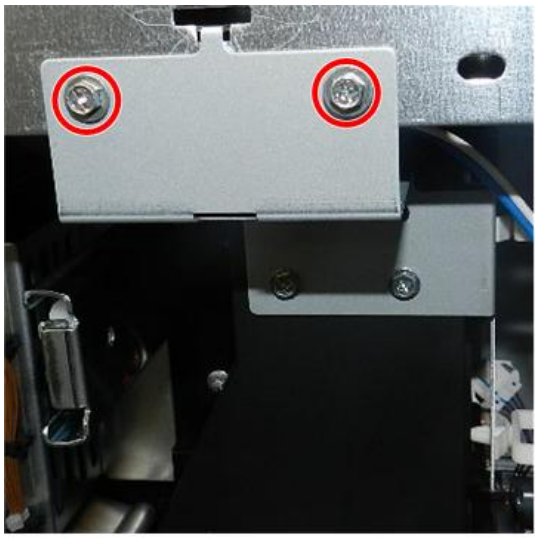
7. Inside the machine, disconnect and free the harness, and then disconnect the motor bracket [A] (x1, x1, x1).

8. Carefully, pull the harnesses [B] away from the side of the duct.



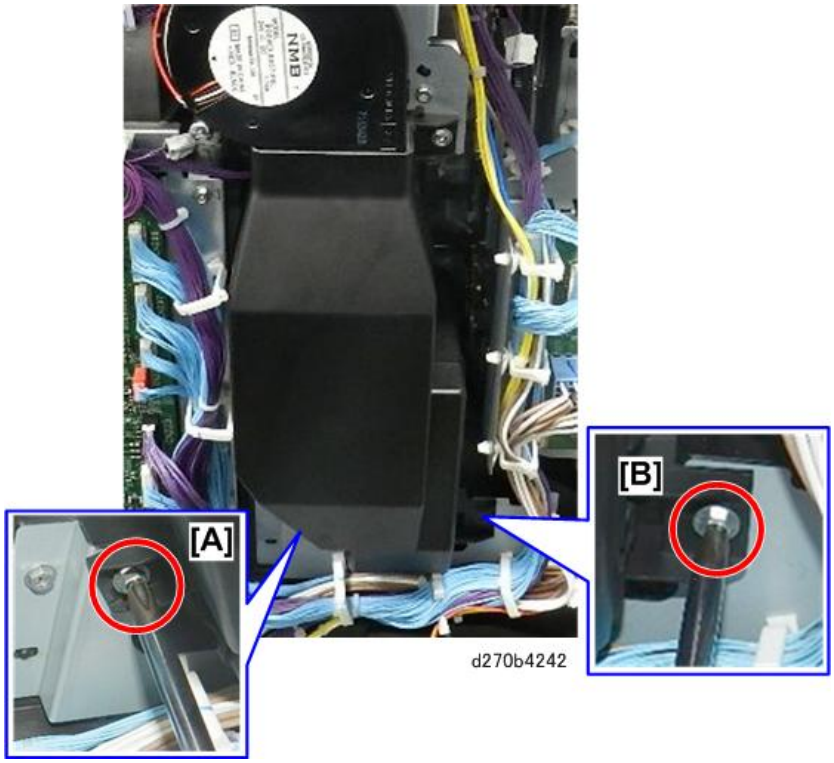
d270b4240

9. Disconnect the top of the duct bracket (x2).

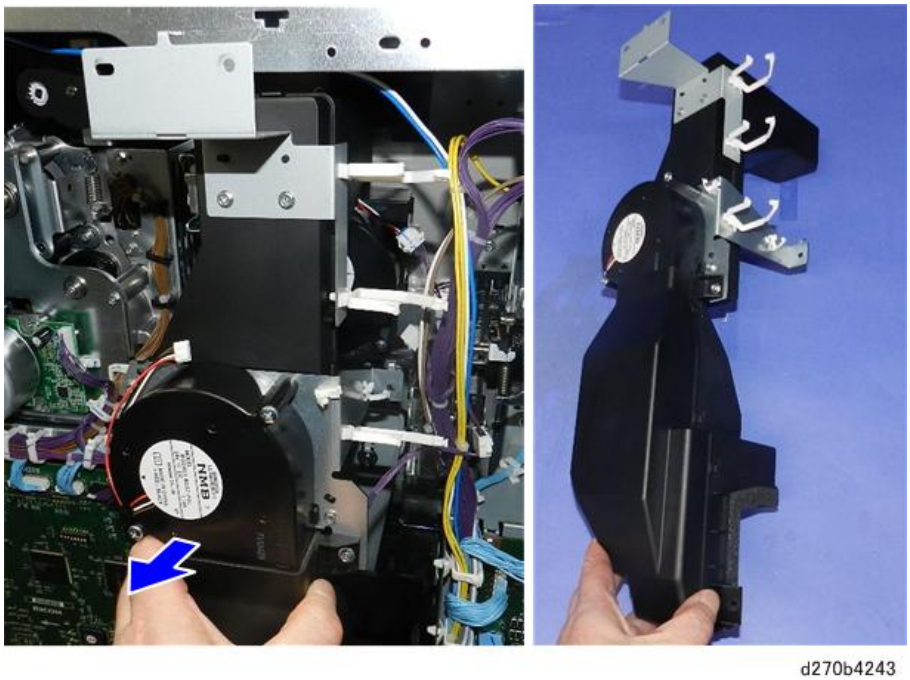


d270b4241

10. Disconnect the bottom of the duct at the left corner [A] and right corner [B] (x2).



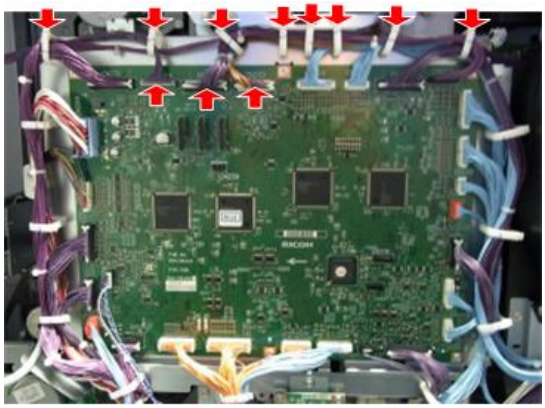
11. Remove the vertical duct.



12. Start to disconnect the IOB at the lower left side of the machine (x2, x2).

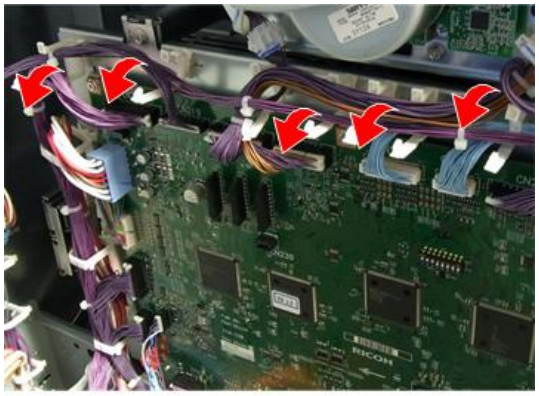
Lower the IOB

1. Disconnect the top of the IOB (x8, x3).



d270b3009

2. Free the harnesses along the top edge of the board.



d270b3010

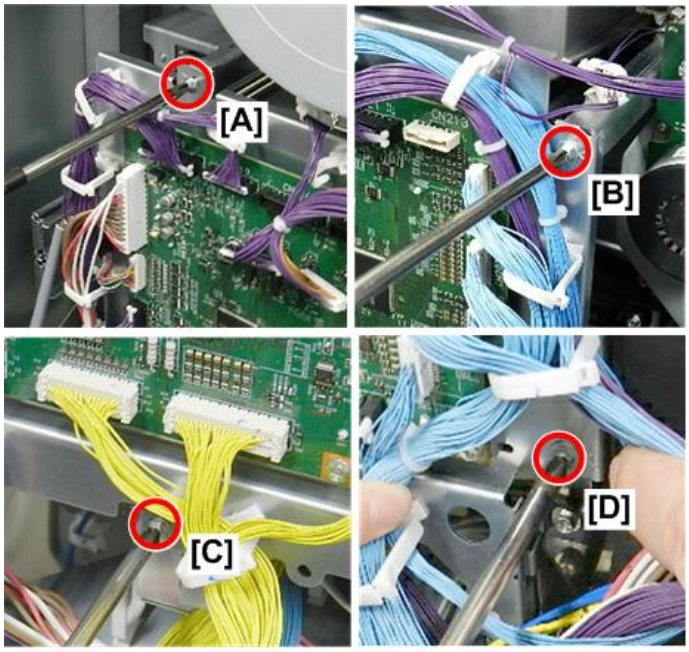
3. Disconnect the IOB:

   [A] Upper left (x1)

   [B] Upper right (x1)

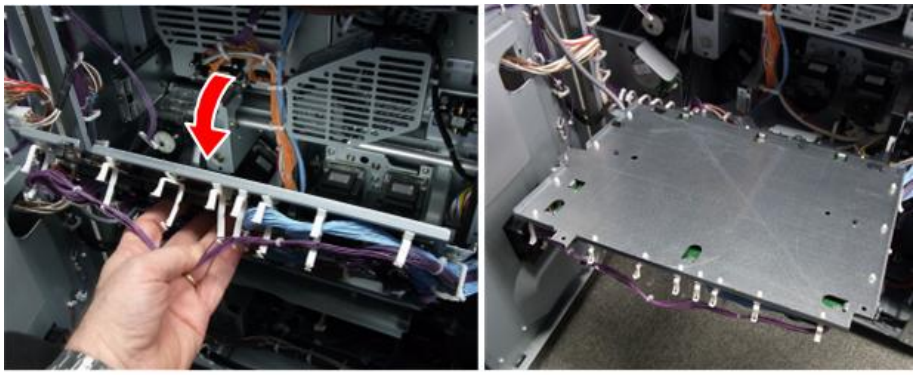
   [C] Lower left (x1)

   [D] Lower right (x1)



d1794008

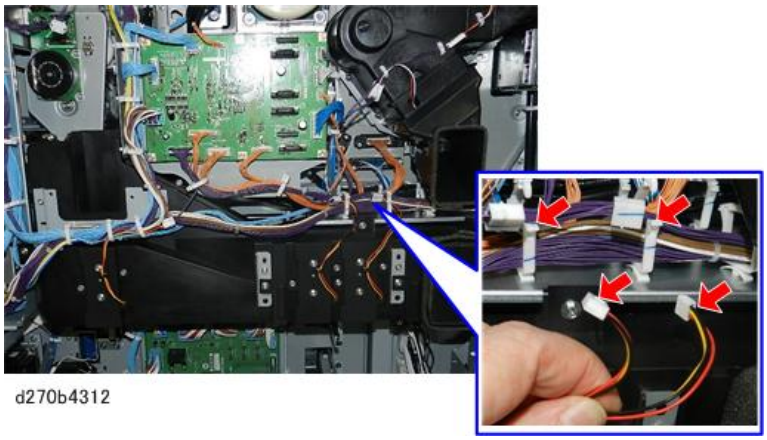
4. Lower the IOB bracket (with PCB attached) until it stops.



d270b3011

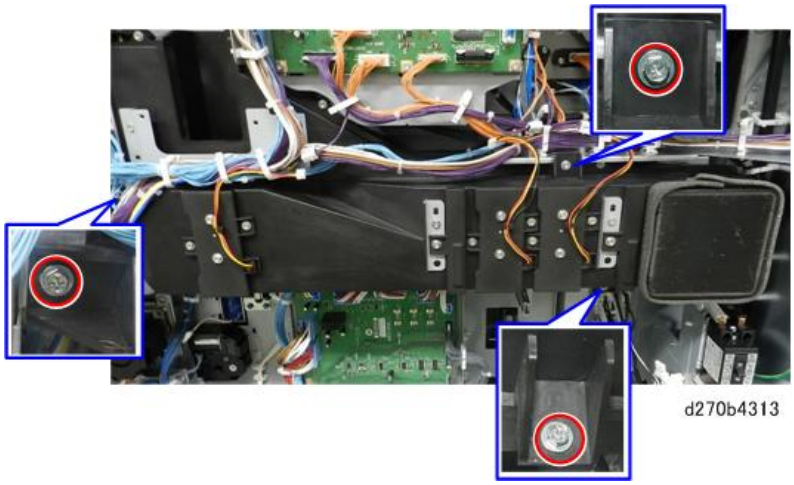
Remove the Large Horizontal Duct

1. Disconnect the horizontal duct fans (x2, x2).

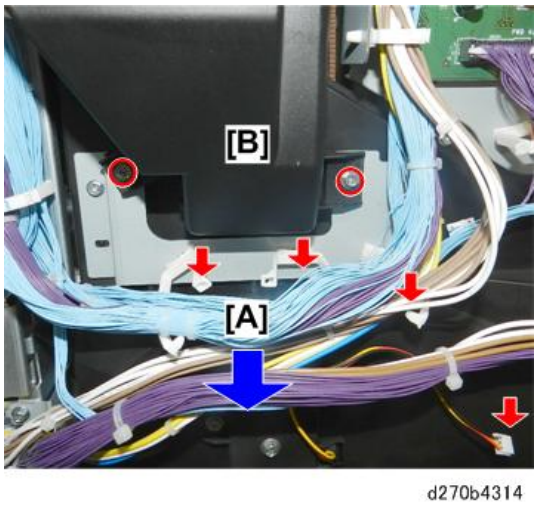


d270b4312

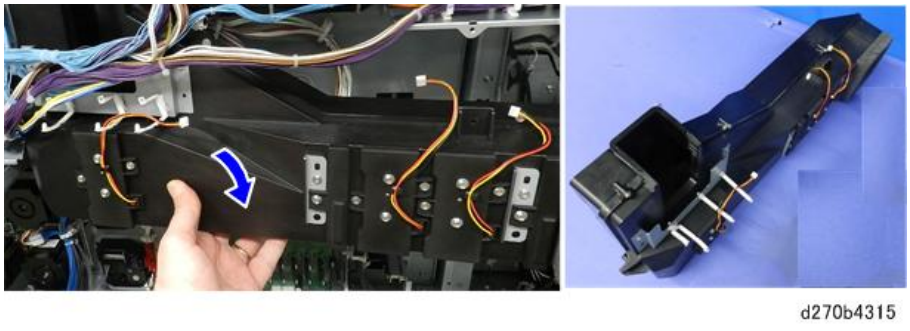
2. Disconnect the horizontal duct (x3).



3. Open the clamps and then disconnect the fusing transport exhaust fan (x3, x1).

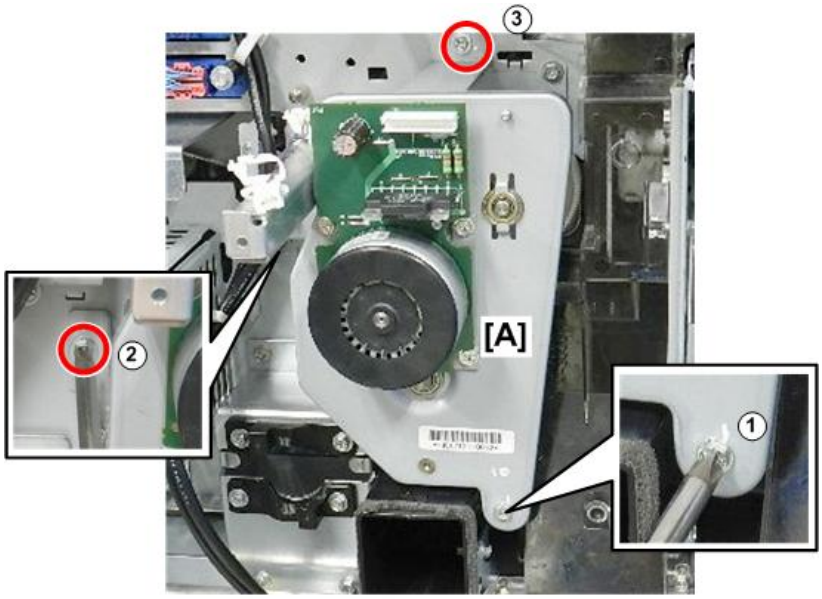


4. Remove the horizontal duct.



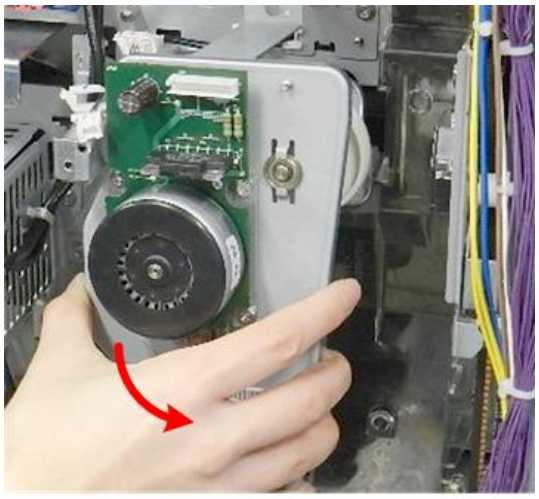
Remove the ITB/PTR Cleaning Motor

1. Next, remove the ITB/PTR cleaning motor bracket [A] (x3).
   - ① is a small screw.
   - ② and ③ are larger screws (the same size).



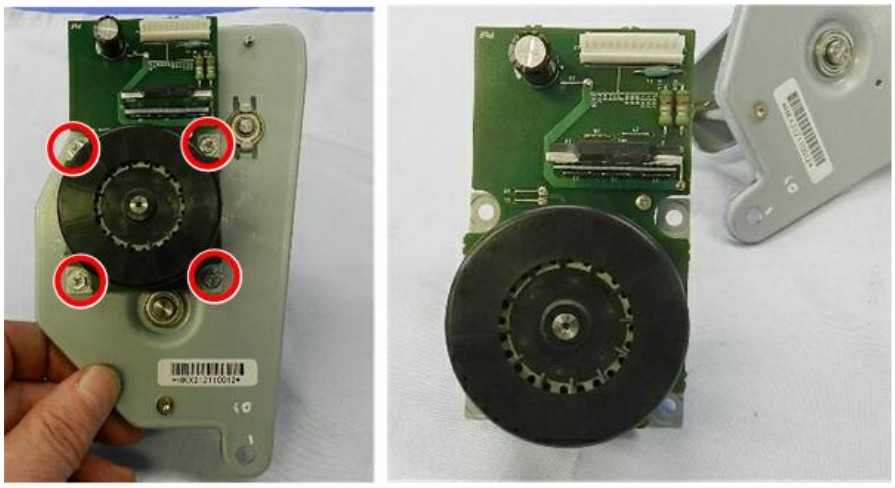
d1794031

2. Remove the bracket (with motor attached).



d1794032

3. Separate the motor and the bracket (x4).



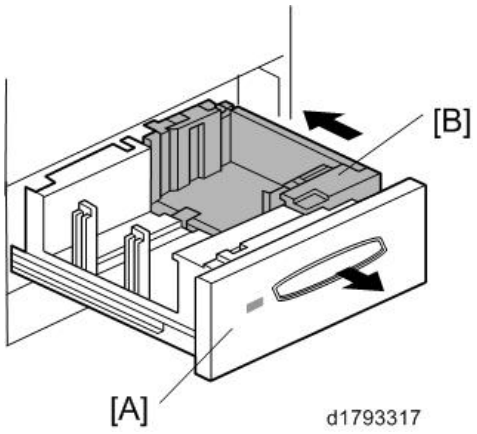
d1793236

Paper Trays 1, 2, 3

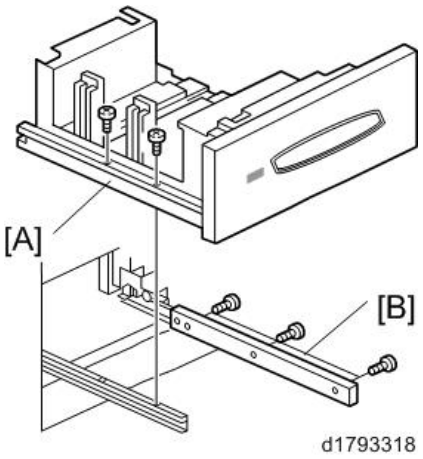
Paper Tray Removal

Remove Paper Tray 1

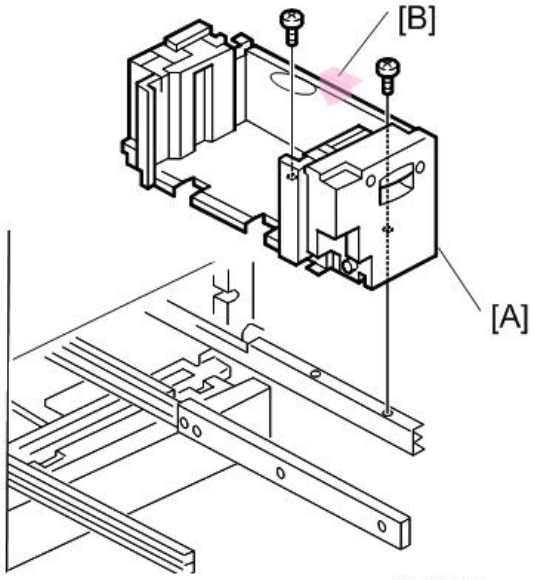
1. Pull out Tray 1 [A] completely so that the right tandem tray [B] separates from the left side.
2. Push the right tandem tray [B] into the machine.



3. Disconnect the left rail [A] (x2 M4x4)
4. Disconnect the right rail [B] and remove the tray (x3 M4x6).



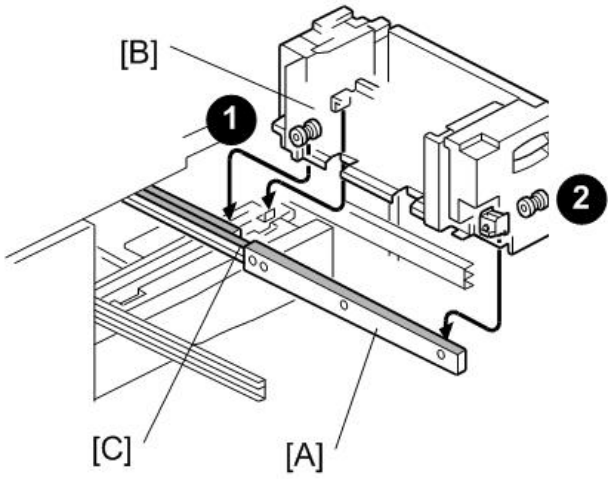
5. Pull out the right tandem tray [A] and remove it (x2).



d1793319

Important

- Work carefully to avoid bending or damaging the mylar [B] on the side plate of the tray. This mylar prevents paper in the tray from hitting the reverse roller before it is ready to feed.
- When you re-install the right tandem tray, make sure that the wheels ride on the slide rail [A].
- Also, make sure that the tandem tray stopper [B] is set behind the stopper [C] (inside the machine).

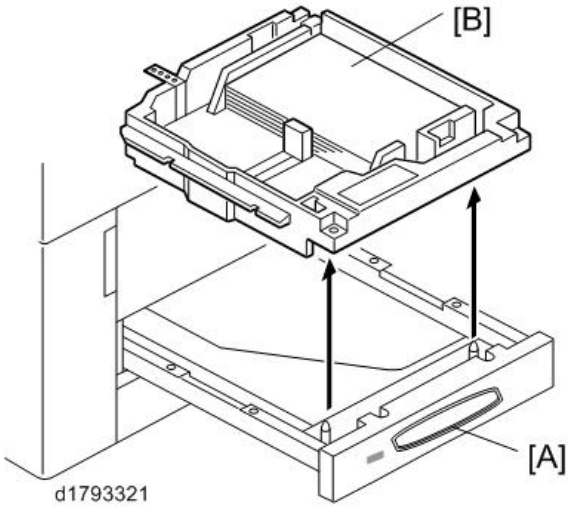


d1793320

Remove Paper Tray 2, Tray 3

1. Pull out Tray 2 [A].

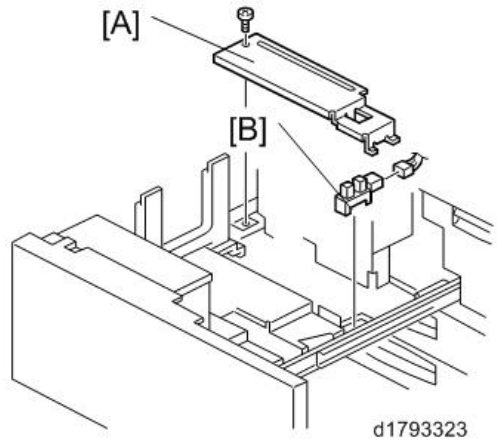
2. Lift the inner tray [B] out of the tray.



Tray 1 Sensors, Solenoids, Wire

Rear Fence Return Sensor (Left Tandem Tray)

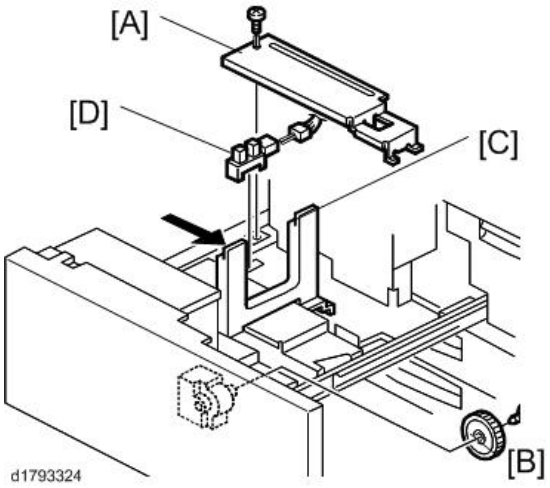
1. Pull out Tray 2.
2. Lift the inner tray out of the tray.
3. Remove the plate [A]. (x1)
4. Disconnect and remove the sensor [B] (x1).



Rear Fence HP Sensor (Left Tandem Tray)

1. Pull out Tray 1.
2. Push the right tandem tray into the machine.
3. Remove:
   [A] Rear bottom plate
   [B] Rear fence transport gear
4. Push the left fence [C] to the right.

5. Remove the rear fence HP sensor [D] (x1).

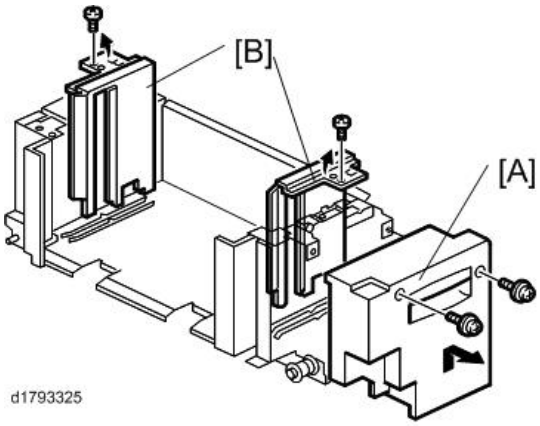


Right Tray Paper Sensor (Right Tandem Tray)

1. Remove the right tandem tray.
2. Remove:

   [A] Cover (x2)

   [B] Side fences (x2)



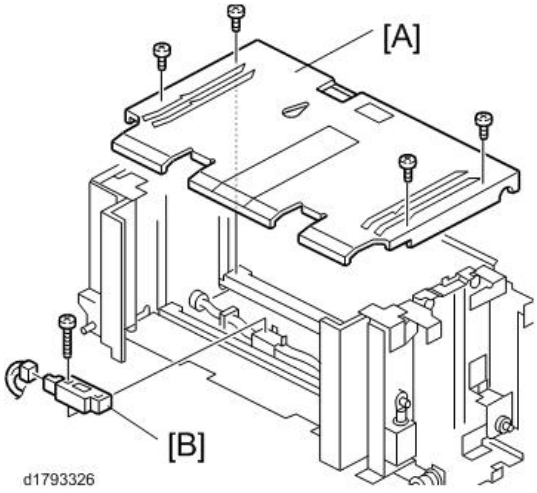
Note

- When re-installing the side fences, make sure that they are positioned correctly (A4: Outer, LT: Inner)

3. Remove:

   [A] Bottom plate (x4)

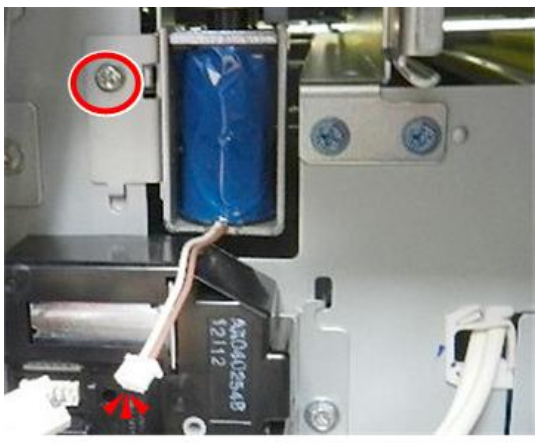
   [B] Right tray paper sensor (x1, x1)



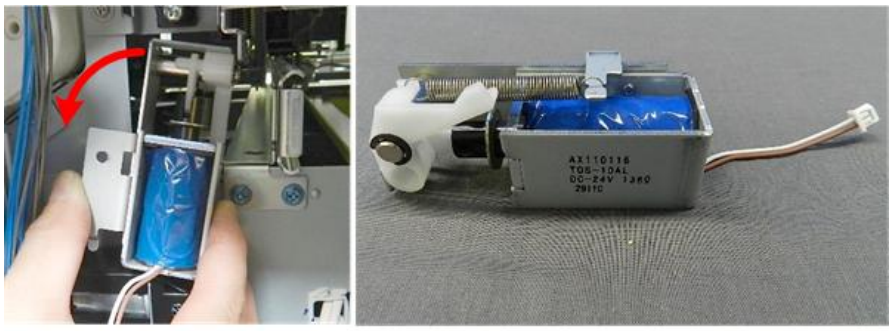
Right Tray Lock Solenoid

1. Open the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)
3. Locate the solenoid.

4. Disconnect the solenoid and the bracket (x1, x1).



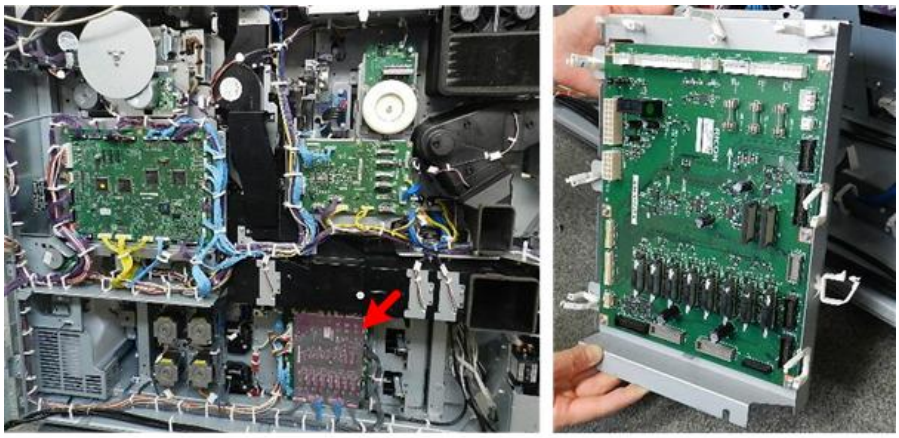
5. Remove the solenoid.



d1793350

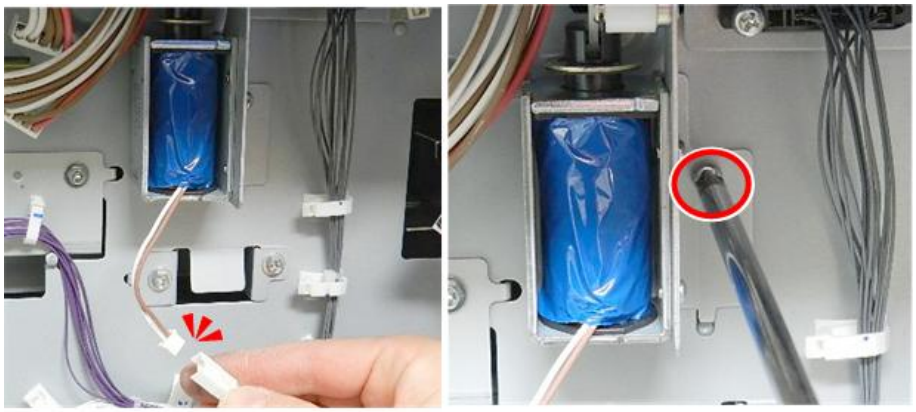
Left Tray Lock Solenoid

1. IOBOpen the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)
3. To access the solenoid, you must first remove the IOB. IOB)



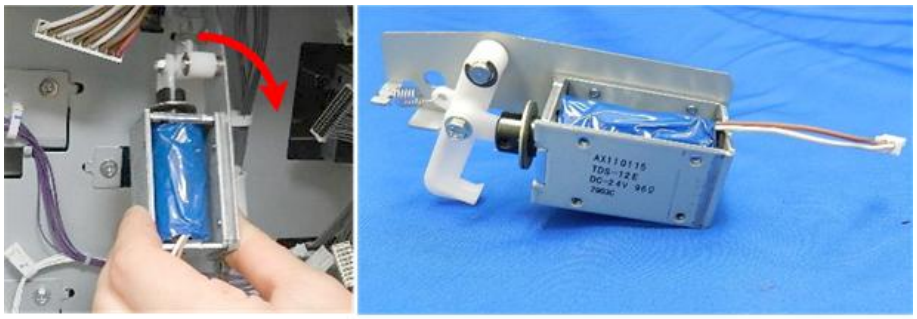
d1793351

4. Disconnect the solenoid and bracket (x1, x1).



d1793352

5. Remove the solenoid.



d1793353

Bottom Plate Lift Wire

Note

- Before you remove the rear bottom plate lift wire, you must remove the front bottom plate lift wire. The removal procedure is the same for both wires.

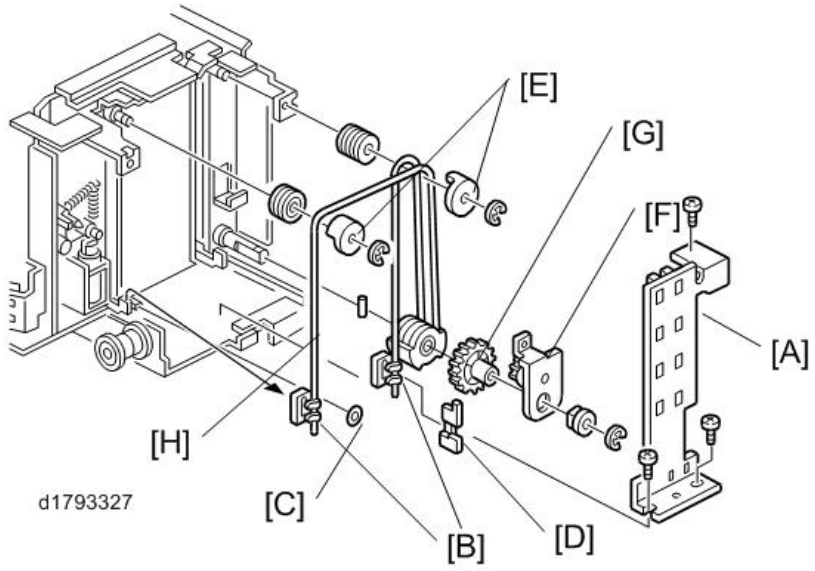
1. Remove the right tandem tray.
2. Remove the right tandem tray cover (x2).
3. At the front, remove the sensor assembly [A] (x3).
4. Lift the front bottom plate slightly, unhook the wire stoppers [B], and then remove the stopper [C] and the actuator [D].
5. Remove:

   [E] Wire covers (x2).

   [F] Bracket (front only) (x1, x1, x1)

   [G] Gear (front only)

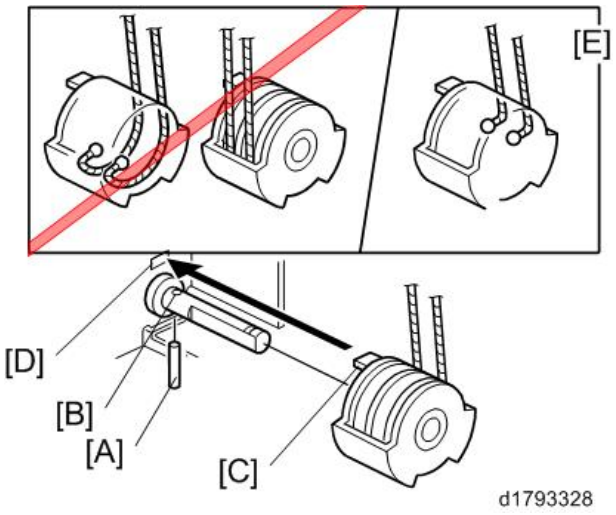
   [H] Bottom plate lift wire



Re-installation (Bottom Plate Lift Wire)

1. Set positioning pin [A] in hole [B].
2. Set projection [C] in hole [D].

3. Position the wire [E] correctly without crossing the wires.

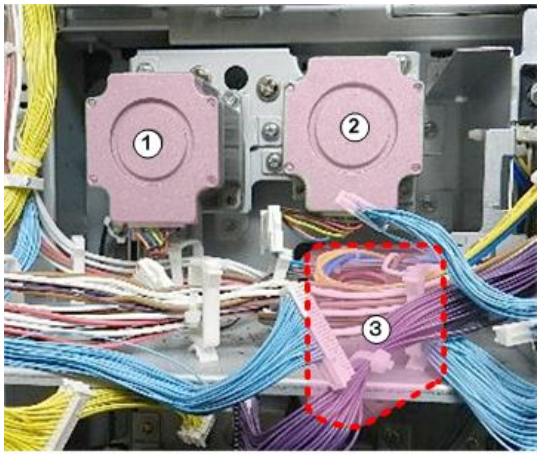


Tray 1 Motors

Before You Begin

1. Open the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)
3. To access these motors, you must first remove the IOB. (IOB)

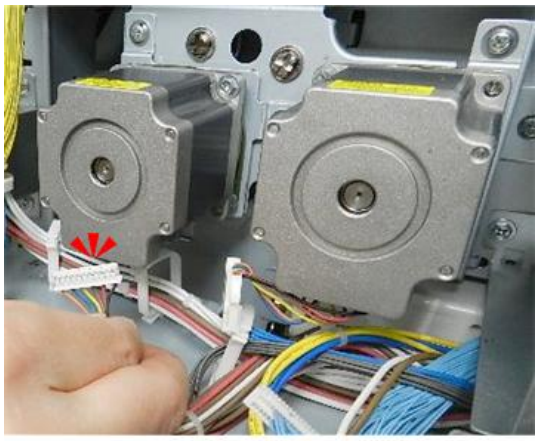
①	Tray 1 Grip Motor
②	Tray 1 Feed Motor
③	Tray 1 Lift Motor



d1793355

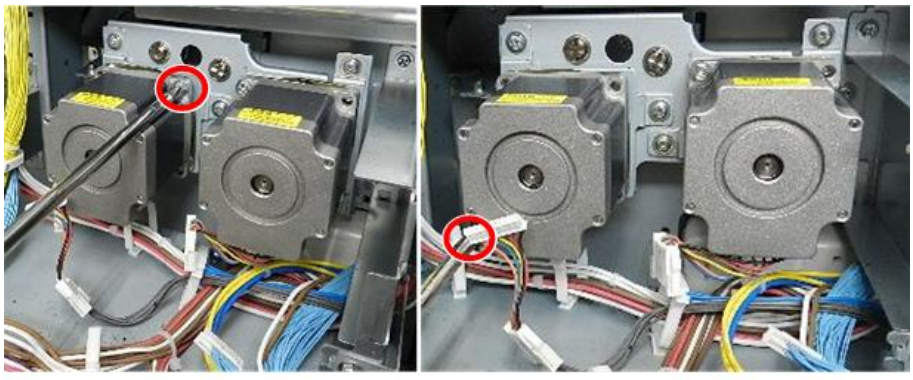
Tray 1 Grip Motor

1. Disconnect the motor (x1).



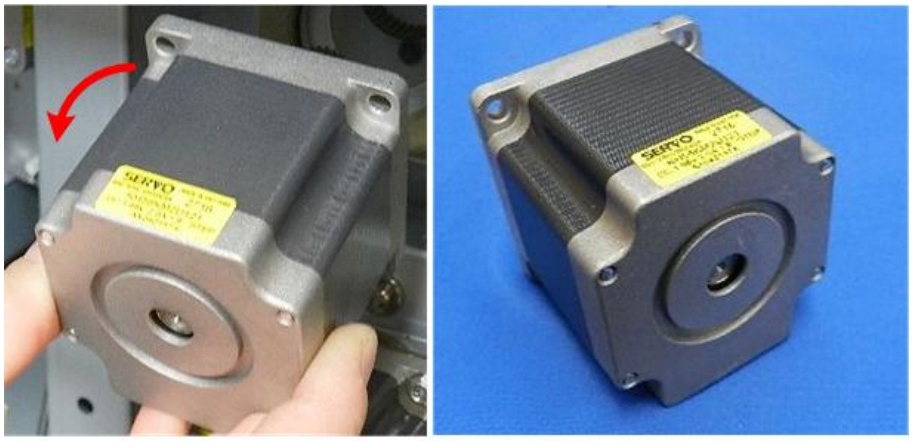
d1793356

2. Disconnect the motor (x2).



d1793357

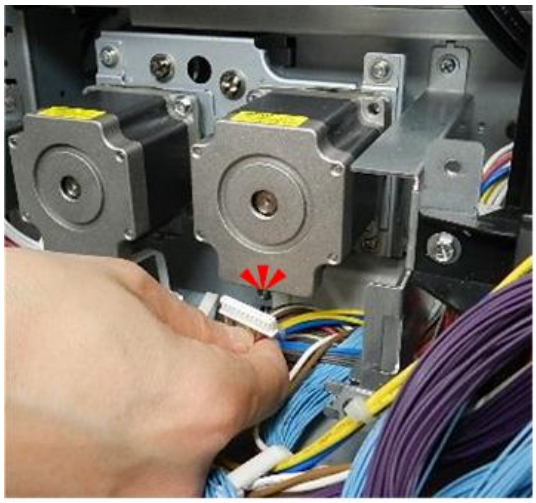
3. Remove the motor.



d1793358

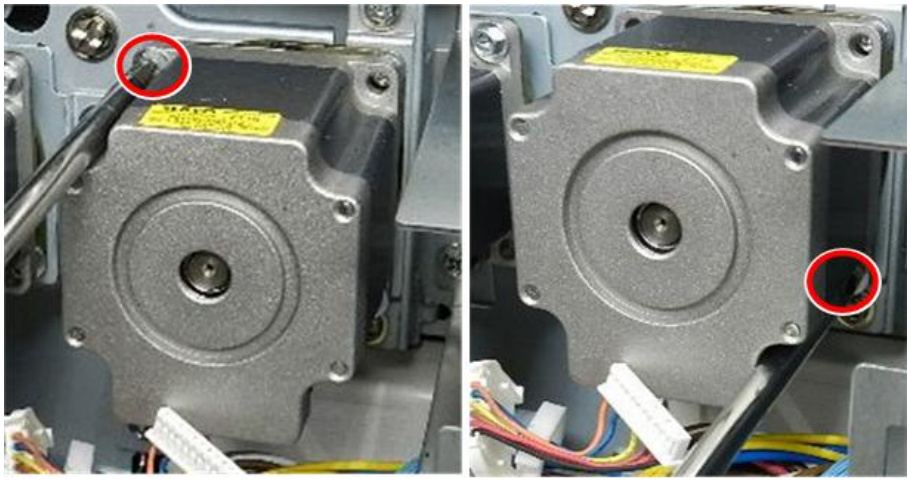
Tray 1 Feed Motor

1. Disconnect the motor (x1).



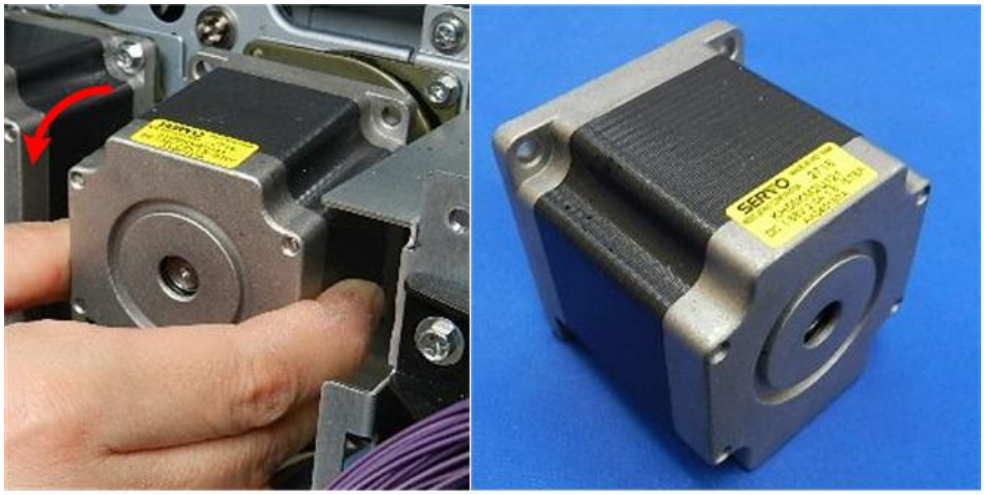
d1793359

2. Disconnect the motor (x2).



d1793360

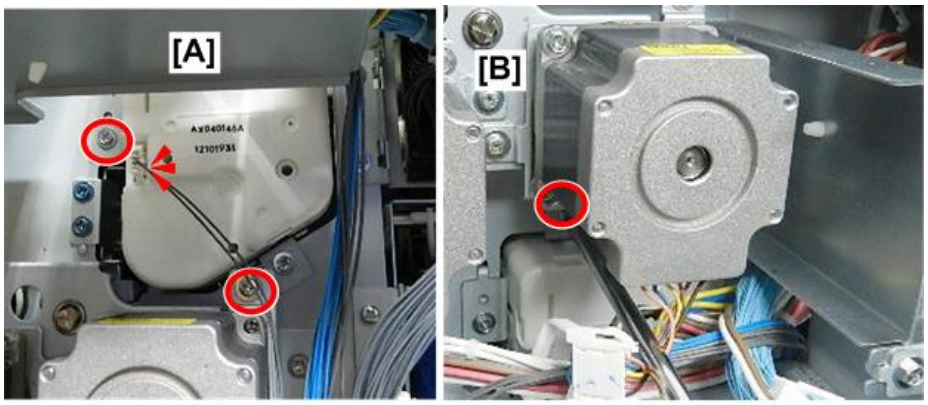
3. Remove the motor.



d1793361

Tray 1 Lift Motor

1. Disconnect the motor:
   [A] (x1, x2)
   [B] (x1)



d1793362

2. Grasp the motor from below the plate [A].
3. Remove the motor [B].

d1793363

4. Separate the motor from its bracket (x3).

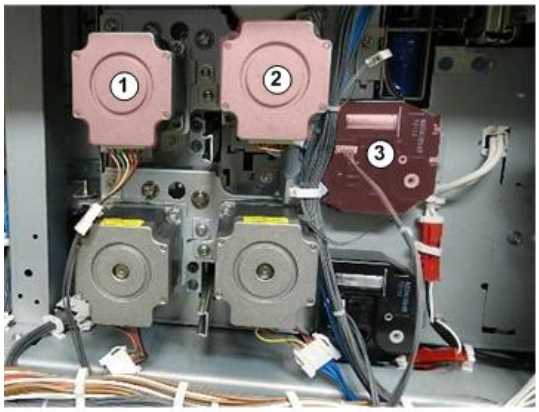
d1793365

Tray 2 Motors

Before You Begin

1. Open the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)

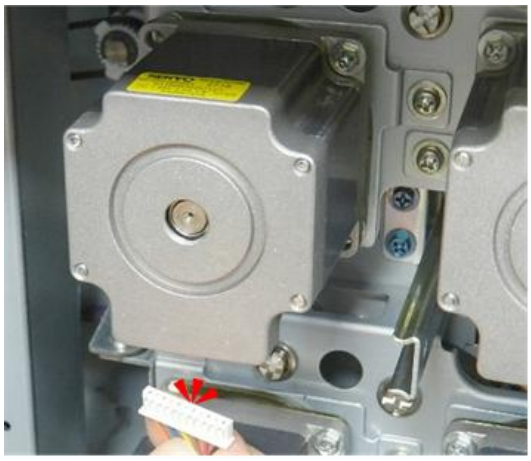
①	Tray 2 Grip Motor
②	Tray 2 Feed Motor
③	Tray 2 Lift Motor



d1793330

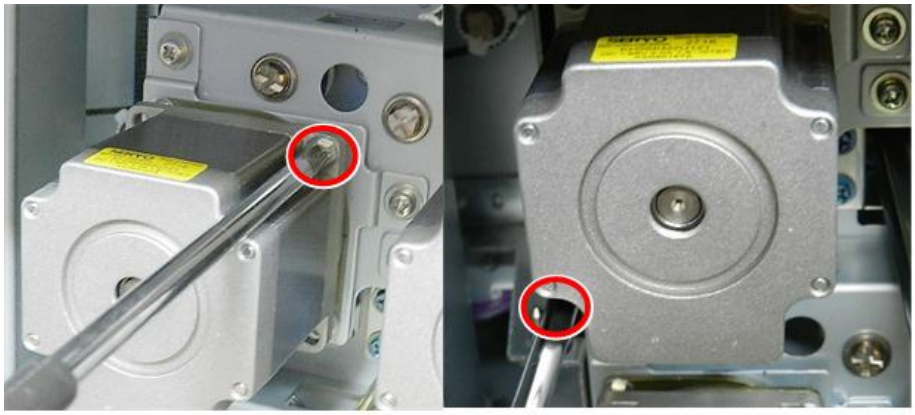
Tray 2 Grip Motor

1. Disconnect the motor (x1).



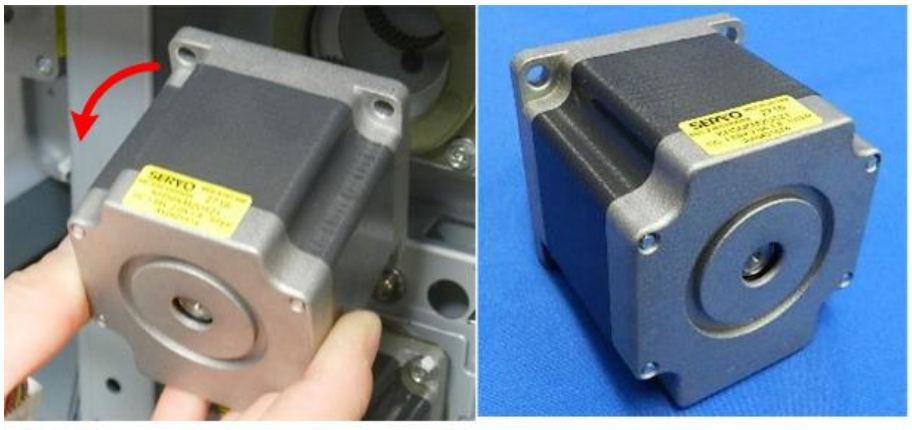
d1793340

2. Disconnect the motor (x2).



d1793341

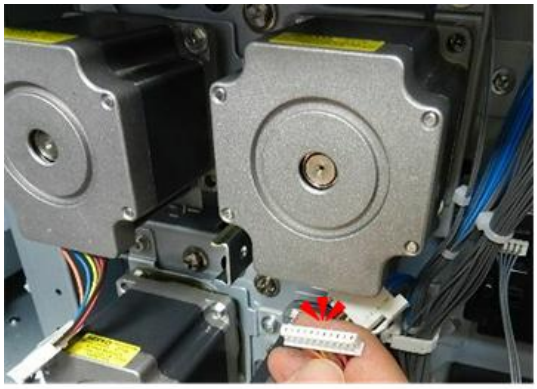
3. Remove the motor.



d1793342

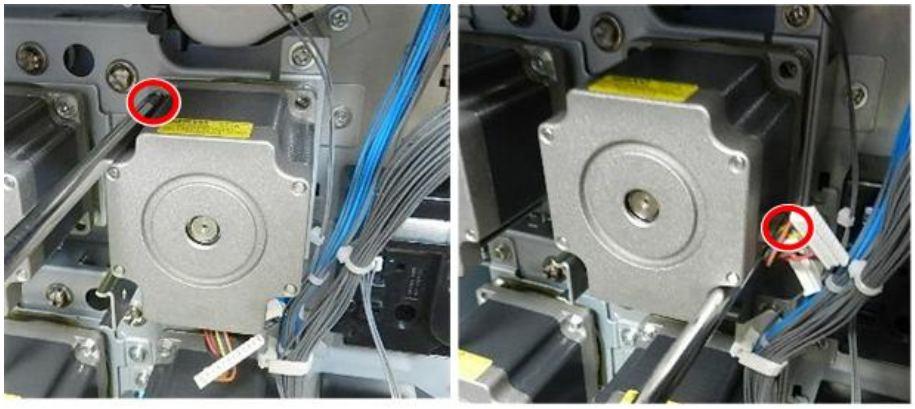
Tray 2 Feed Motor

1. Disconnect the motor (x1).



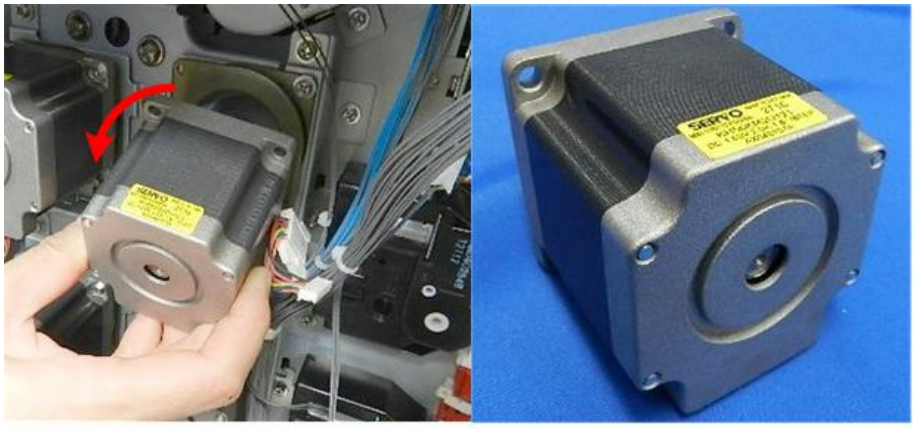
d1793343

2. Disconnect the motor (x2).



d1793344

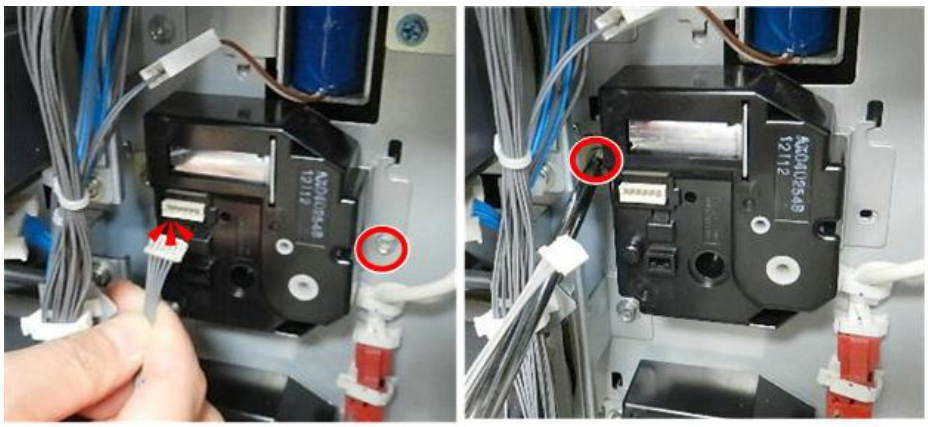
3. Remove the motor.



d1793345

Tray 2 Lift Motor

1. Disconnect the motor (x1, x2).



d1793346

2. Remove the motor.

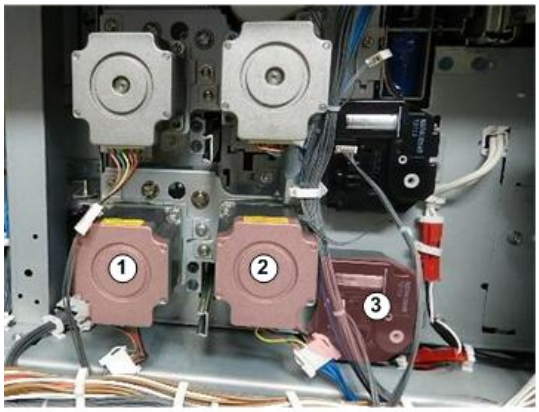
d1793347

Tray 3 Motors

Before You Begin

1. Open the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)

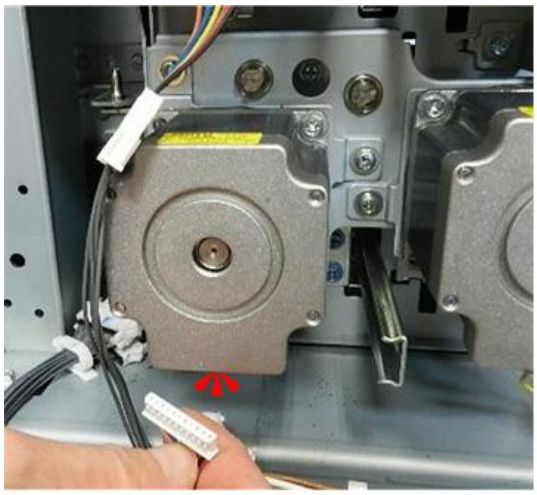
①	Tray 3 Grip Motor
②	Tray 3 Feed Motor
③	Tray 3 Lift Motor



d1793331

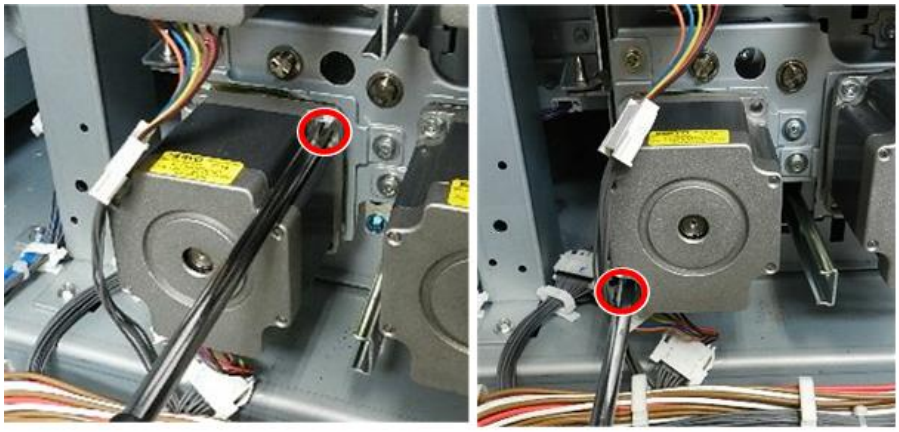
Tray 3 Grip Motor

1. Disconnect the motor (x1).



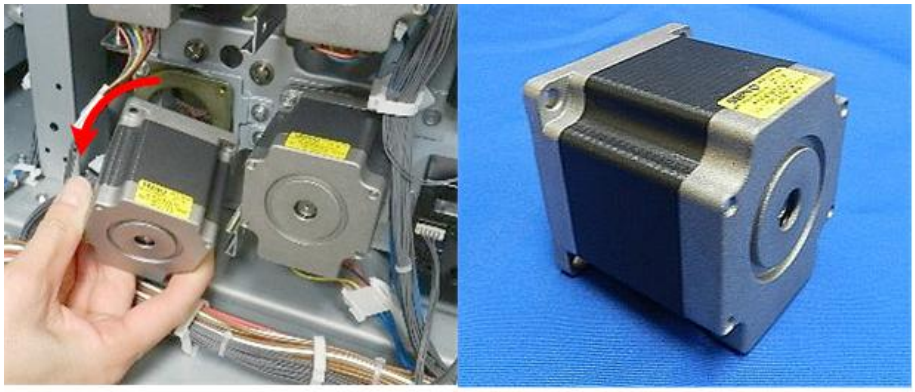
d1793332

2. Disconnect the motor (x2).



d1793333

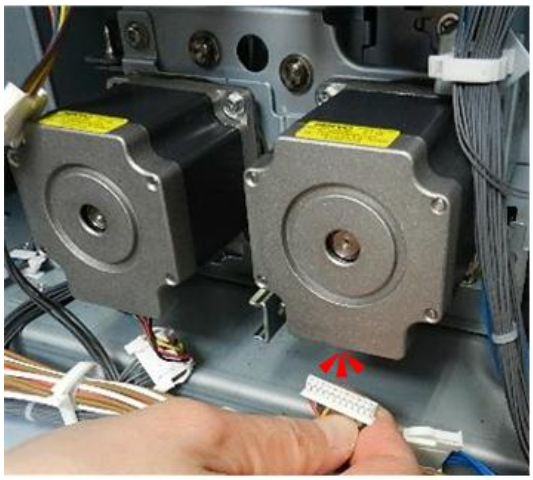
3. Remove the motor.



d1793334

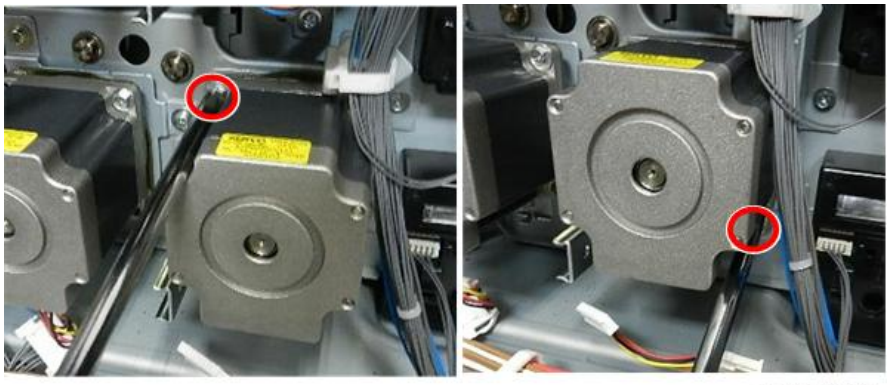
Tray 3 Feed Motor

1. Disconnect the motor (x1).



d1793335

2. Disconnect the motor (x2).



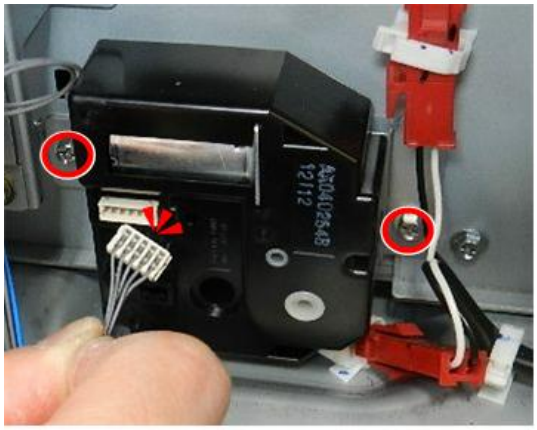
d1793336

3. Remove the motor.

d1793337

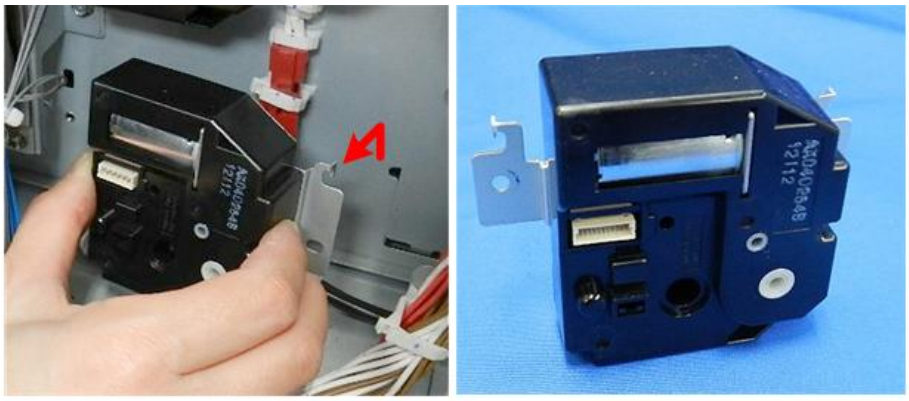
Tray 3 Lift Motor

1. Disconnect the motor (x1, x2).



d1793338

2. Remove the motor.



d1793339

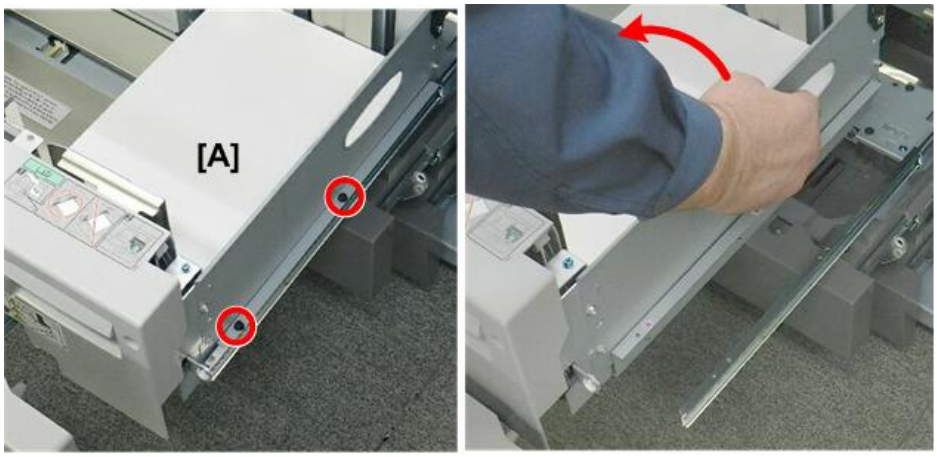
PFU 1, 2, 3 Removal

Note

- Removal of the right and left trays of Tray 1 (tandem tray) is recommended.
- Removing these trays is not absolutely necessary, but this will make it easier to remove and re-install the

PFUs.

1. Remove the right tray of Tray 1 (x2).



d1793301

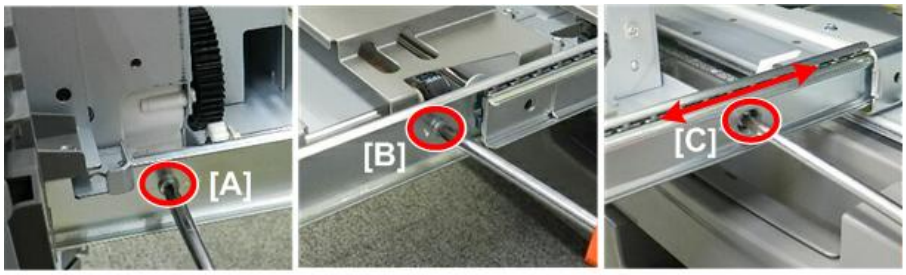
Important

- When removing and inserting the tray, work carefully to avoid bending the mylar sheet on the right side of the tray.

2. Disconnect the left tray of Tray 1 (x2).

d1793302

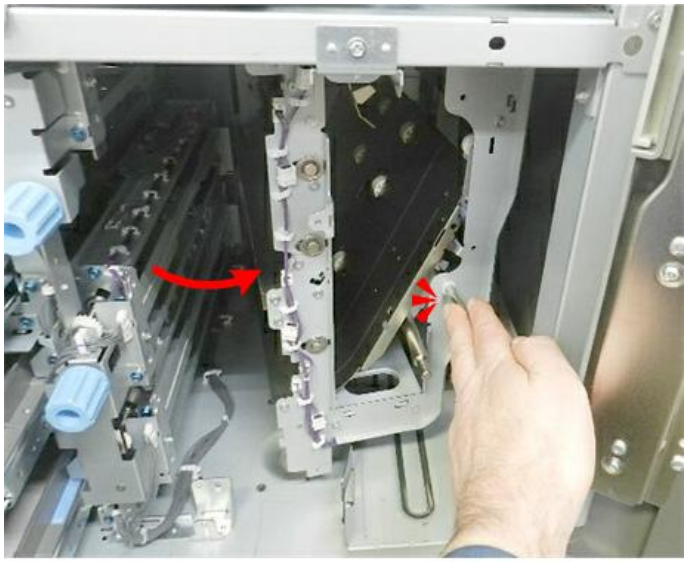
3. Disconnect the left tray from its right rail, and then remove it (x3).



d1793303

Tray 1 PFU

1. Open the VTU (Opening the VTU)

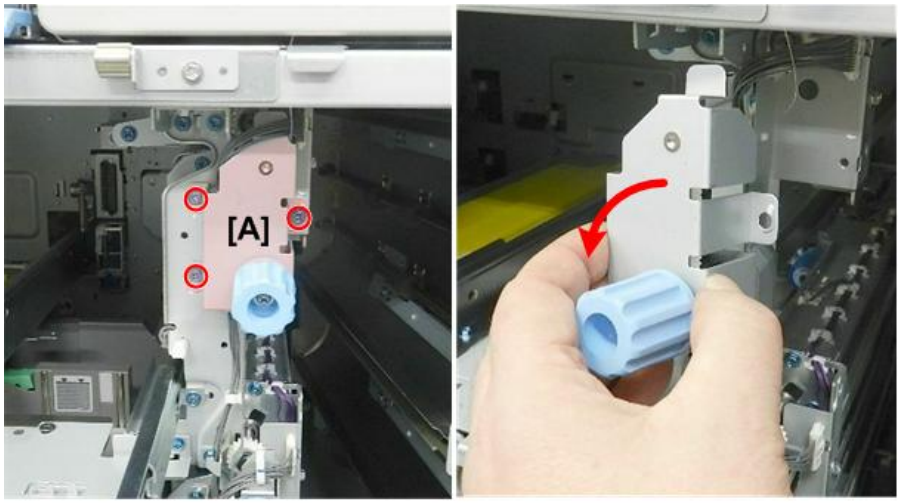


d1793445

Important

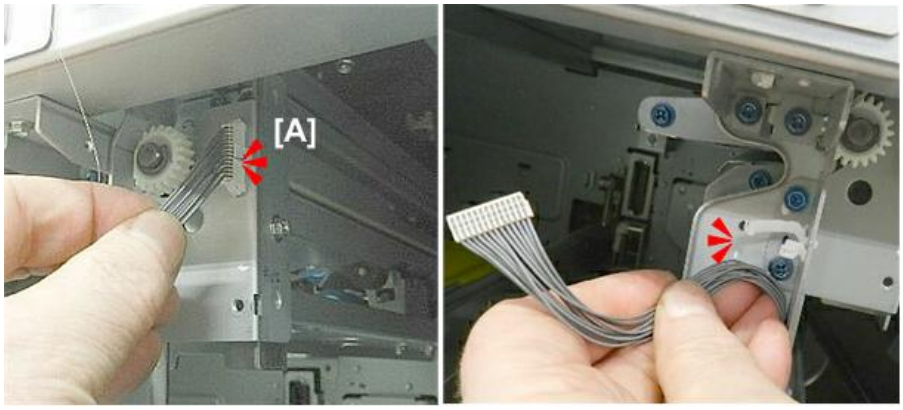
- If the VTU is not open, you will not be able to remove the PFU.

2. Remove the bracket [A] (x3).



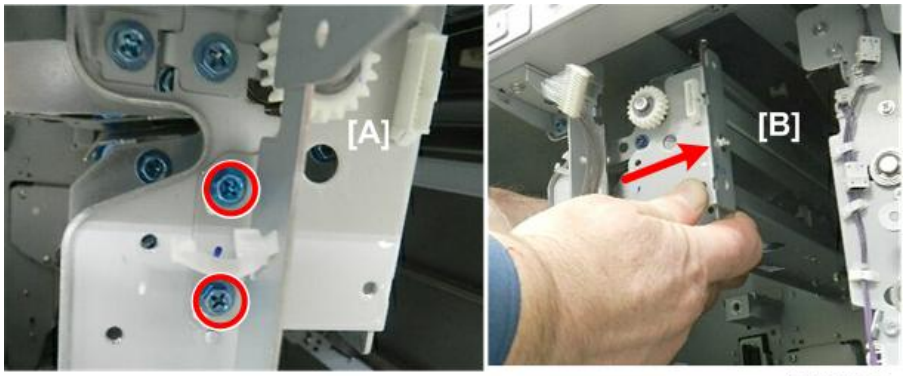
d1793304

3. Disconnect the PFU harness (x1, x1).



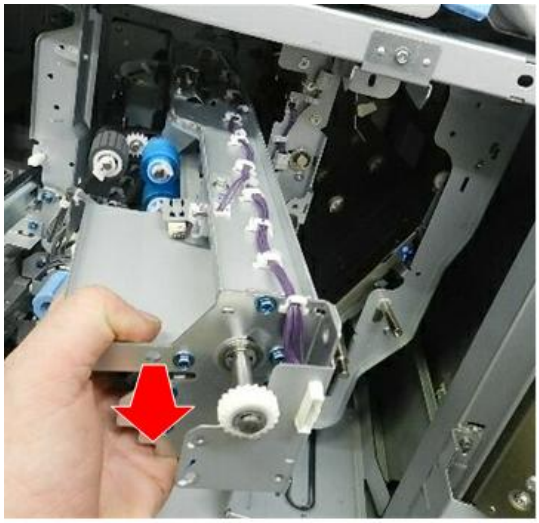
d1793305

4. Disconnect the PFU at the front [A] (x2).
5. Swing the PFU to the right [B].



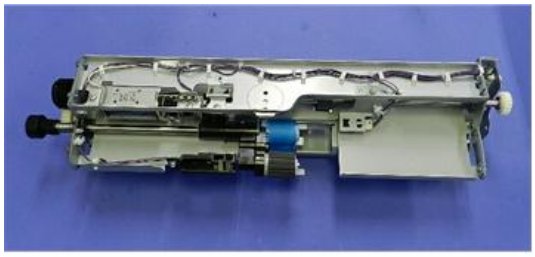
d1793306

6. Pull the PFU to the front. This disengages the back of the PFU from the alignment pins and couplings at the rear.
7. Pull the PFU out of the machine.



d1793307

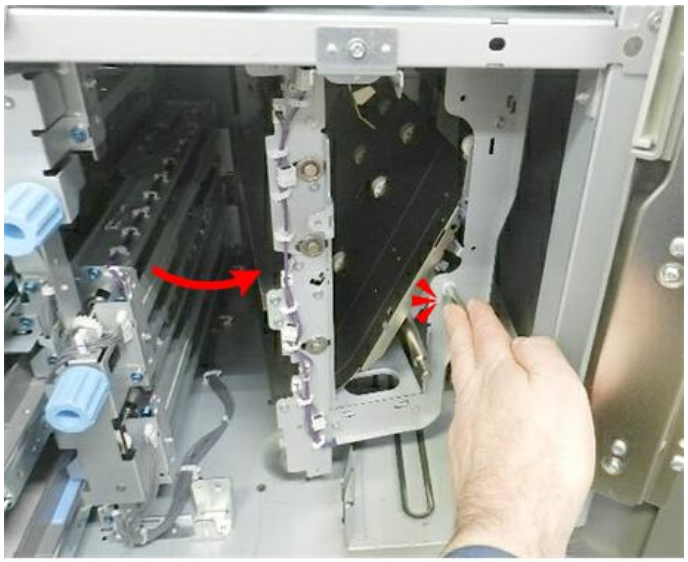
8. Lay the PFU on a flat clean surface.



d1793308

Tray 2 PFU

1. Open the VTU (Opening the VTU)

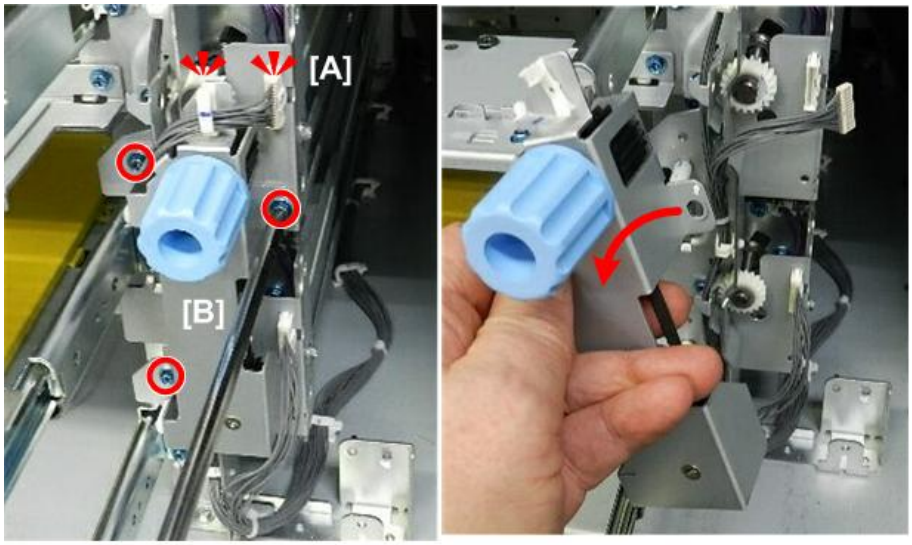


d1793445

Important

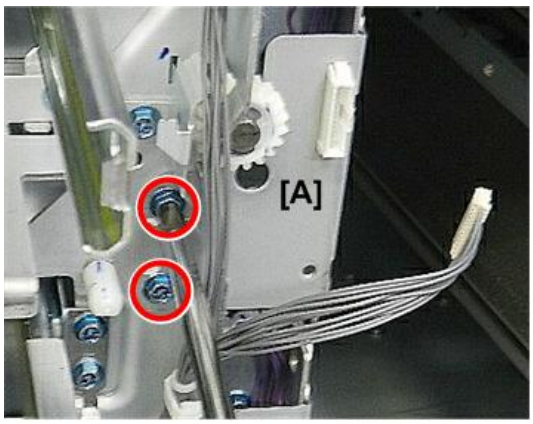
- If the VTU is not open, you will not be able to remove the PFU.

2. Disconnect the PFU [A] (x1, x1).
3. Remove the bracket [B] (x3).



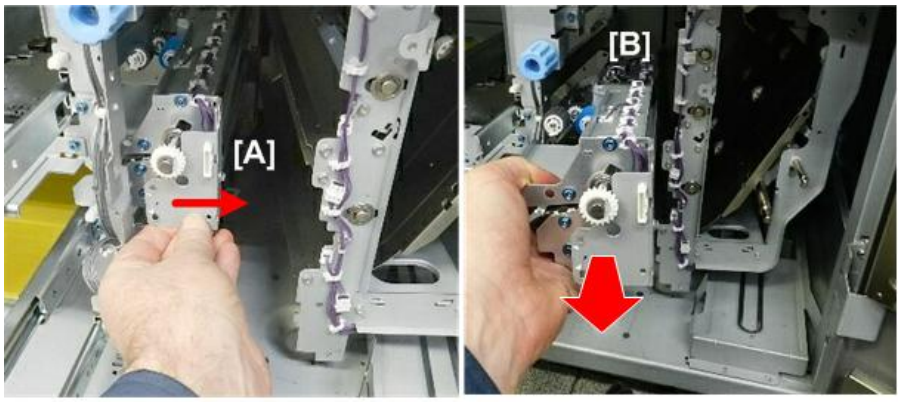
d1793309

4. Disconnect the PFU at the front (x2).



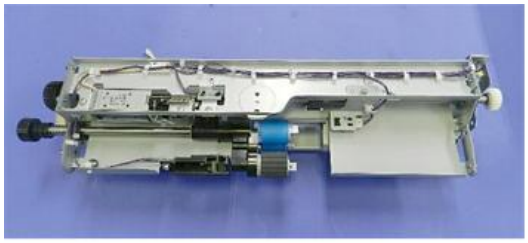
d1793310

5. Swing the PFU to the right [A].
6. Pull the PFU [B] to the front. This disengages the back of the PFU from the alignment pins and couplings at the rear.
7. Pull the PFU out of the machine.



d1793311

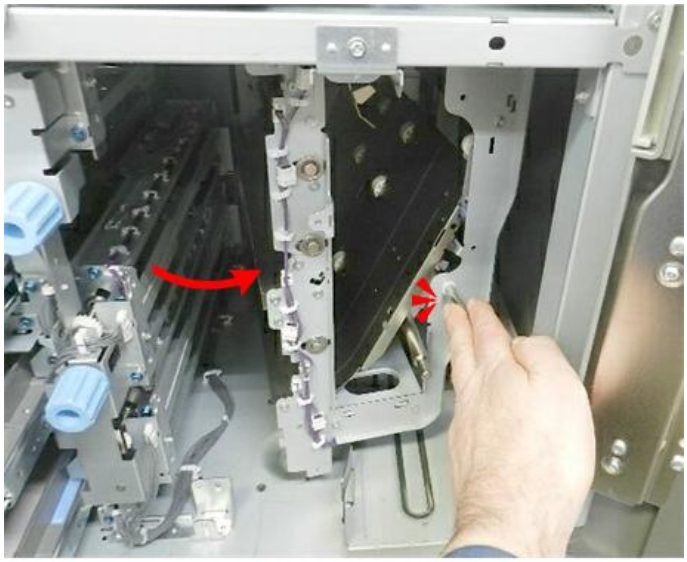
8. Lay the PFU on a flat clean surface.



d1793312

Tray 3 PFU

1. Open the VTU (Opening the VTU)

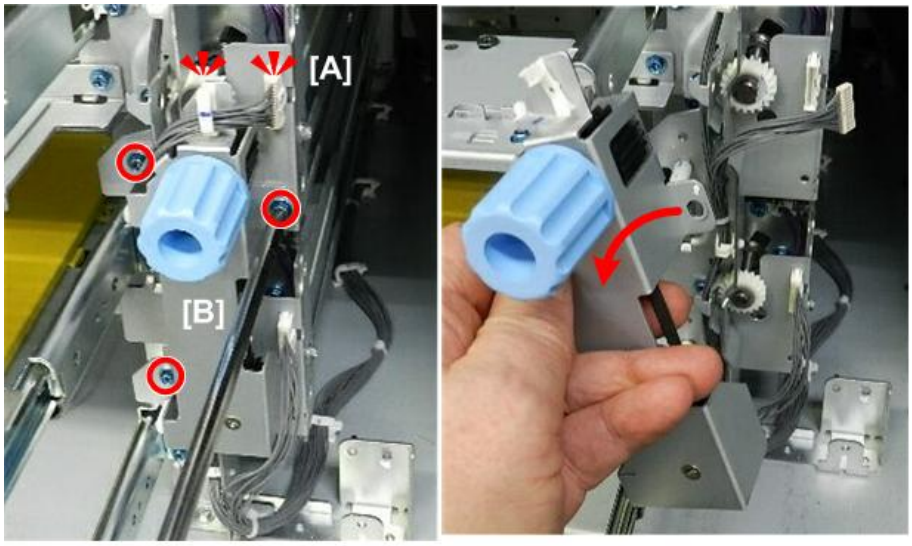


d1793445

Important

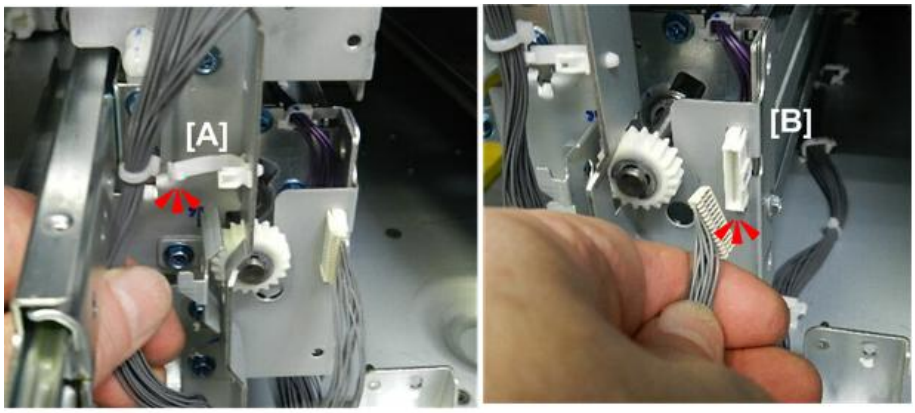
- If the VTU is not open, you will not be able to remove the PFU.

2. Disconnect the PFU [A] (x1, x).
3. Remove the bracket [B] (x3).



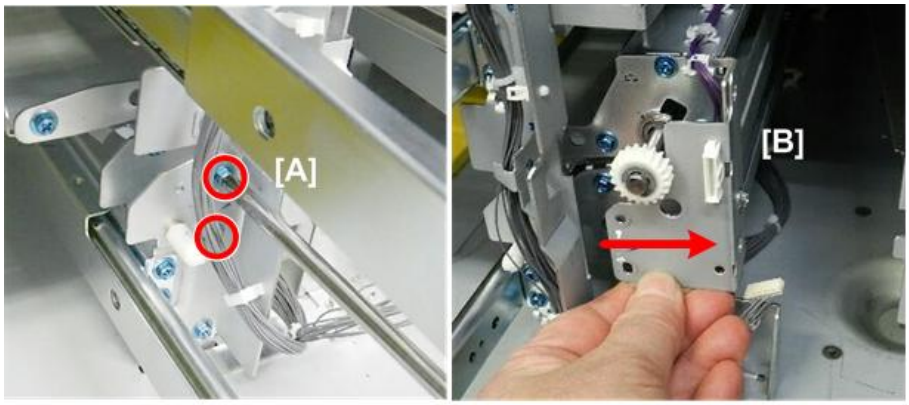
d1793309

4. Disconnect the PFU at [A] and [B] (x1, x1).



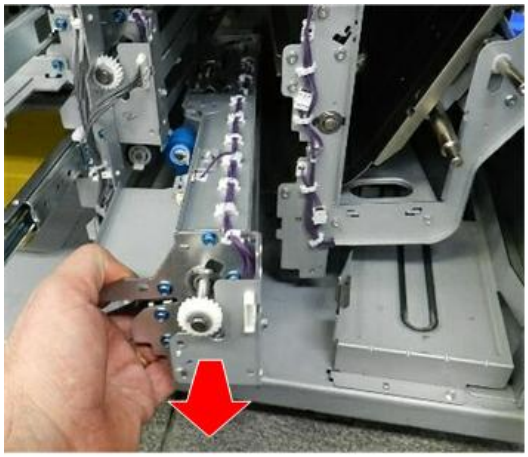
d1793313

5. Disconnect the PFU [A] at the front (x2).
6. Swing the PFU to the right [B].



d1793314

7. Pull the PFU to the front. This disengages the back of the PFU from the alignment pins and couplings at the rear.
8. Pull the PFU out of the machine.



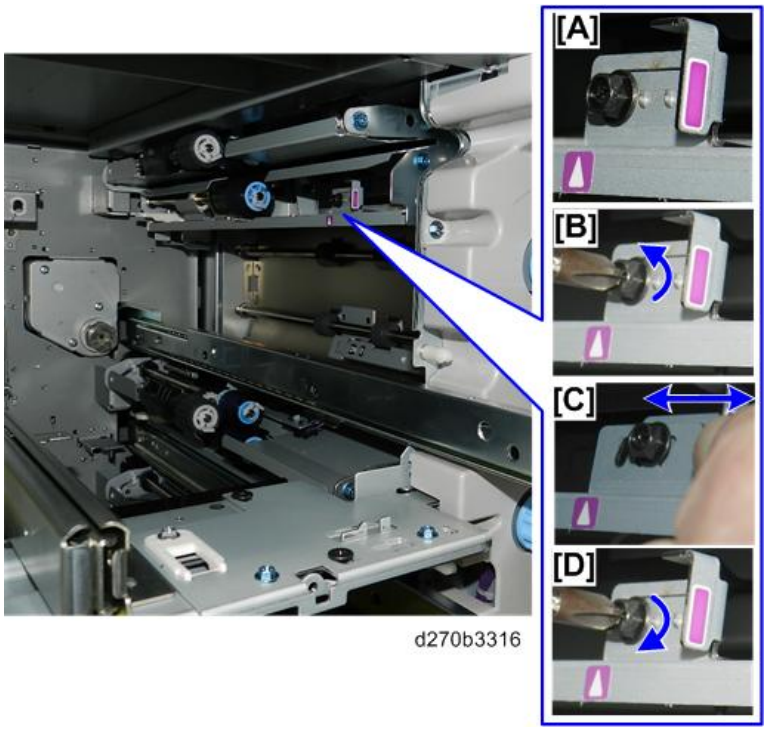
d1793315

PFU Separation Roller Nip Adjustment

Each PFU has a notch mechanism to adjust the pressure of the nip between the separation roller and the feed roller. This is a new feature.

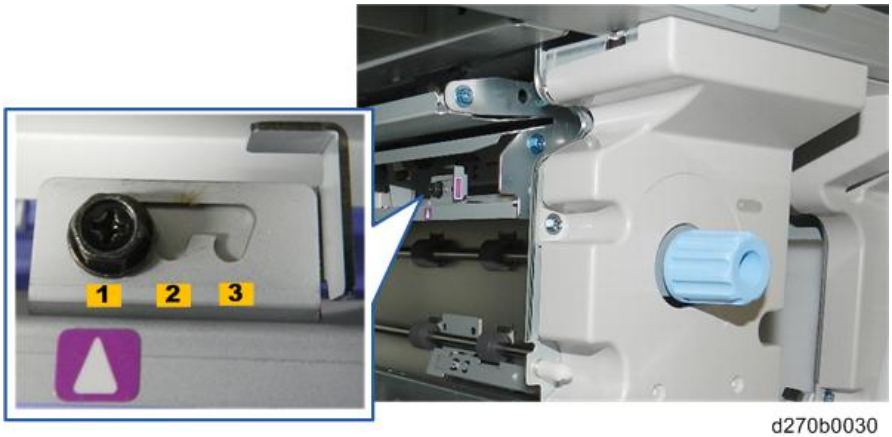
- Do this adjustment only if misfeeds and double-feeds become frequent due to slippage caused by the accumulation of paper dust on the separation roller when using coarse paper.
- The purpose of this adjustment is to compensate for feed problems that can occur with low quality paper. It is not intended to extend the service life of the feed rollers. However, you can do this adjustment as a temporary measure to correct double-feeding due to worn rollers until replacement rollers become available.
- This is a TCRU adjustment and can be done for each PFU without removing it. However, you must remove Paper Tray 1 (Tandem Tray) in order to access the adjustment screws.
- You may want to do this adjustment if one or more of the following jam codes is occurring more than twice a day: J003, J004, J005, J010, J011, J012. Loosen the screw and move the slide to the center position.
- If moving the slide to the center does not correct the problem, move it to the forward position.
- Too much pressure at the nip with the slide completely forward can cause double-feeding.
- If you know in advance that the operators are using low quality paper, set the lever to the center or forward position, and then change it later if necessary.

1. Remove Paper Tray 1. (Remove Paper Tray 1)
2. Locate the adjustment screw and slide [A] for the PFU that you want to adjust.
3. Loosen the screw [B], slide the plate forward or back [C], and then tighten the screw [D].



4. The rear position [1] is the default, the center position [2] forces more pressure at the nip, and the forward

position [3] forces the most pressure at the nip.



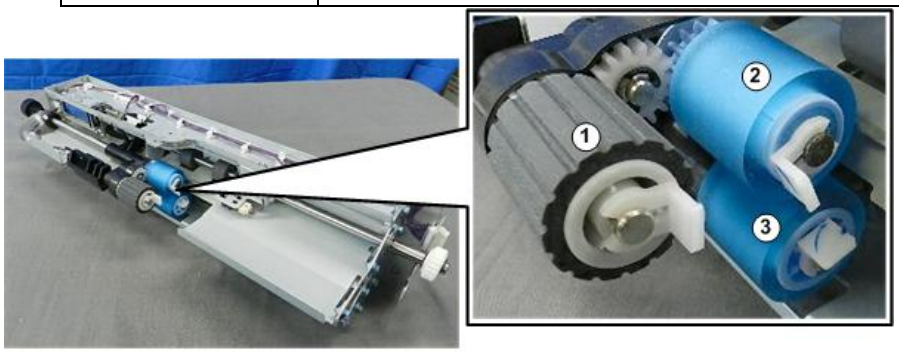
d270b0030

PFU Rollers, Sensors, Solenoid

Before You Begin

1. Remove the required PFUs (Tray 1, Tray 2, Tray 3) (Paper Tray Removal)

①	Pickup Roller
②	Feed Roller
③	Separation Roller

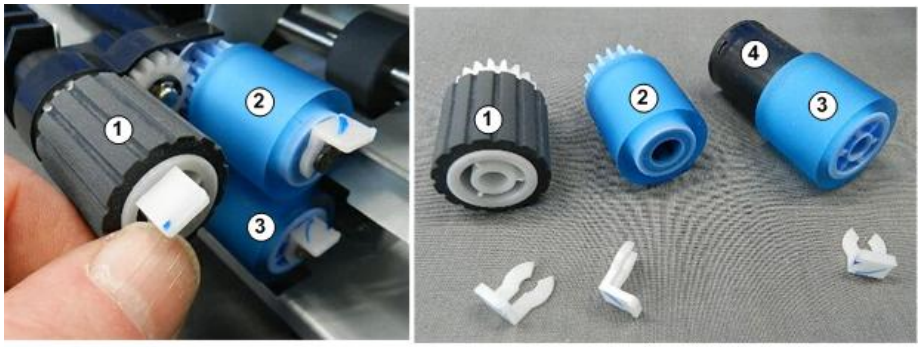


d1793366

Pick-up, Feed, Separation Rollers

1. Remove the snap ring of each roller.

①	Pickup Roller
②	Feed Roller
③	Separation Roller
④	Separation Roller Torque Limiter



d1793367

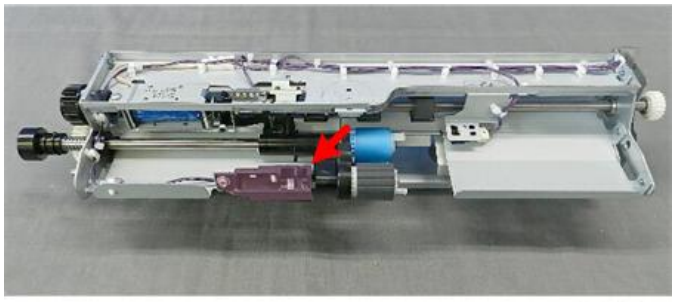
2. Reset the PM counter to zero for the replaced rollers.

Important

- The feed rollers of the main machine and the LCIT are not interchangeable because they turn in different directions.
- After replacing a feed roller in the main machine, make sure that it turns counter-clockwise in the direction of paper feed.
- Avoid touching the surfaces of these rollers with bare hands.

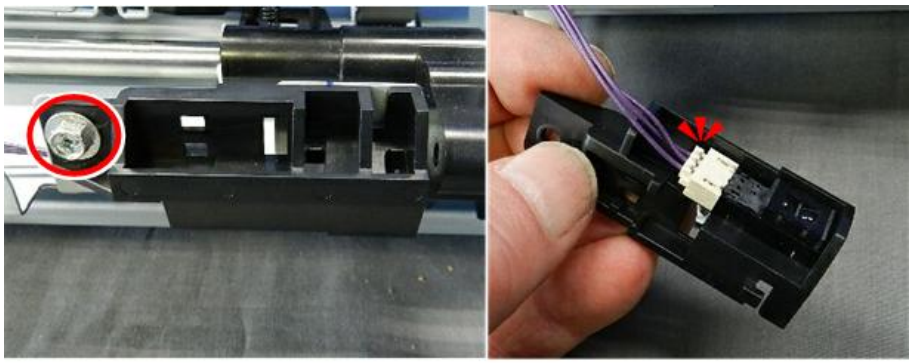
Paper End Sensor

1. Remove the PFU (PFU 1, 2, 3 Removal)
2. The paper end sensor is on the left edge of the unit.



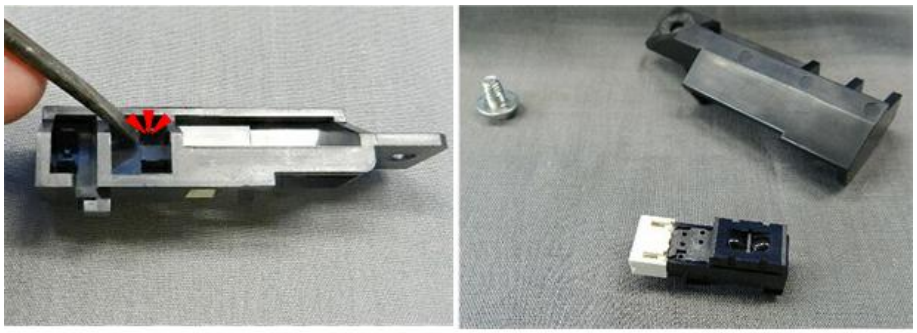
d1793368

3. Disconnect the sensor bracket (x1, x1).



d1793369

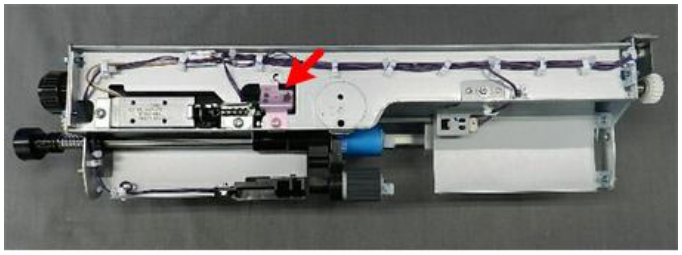
4. Remove the sensor from the bracket.



d1793370

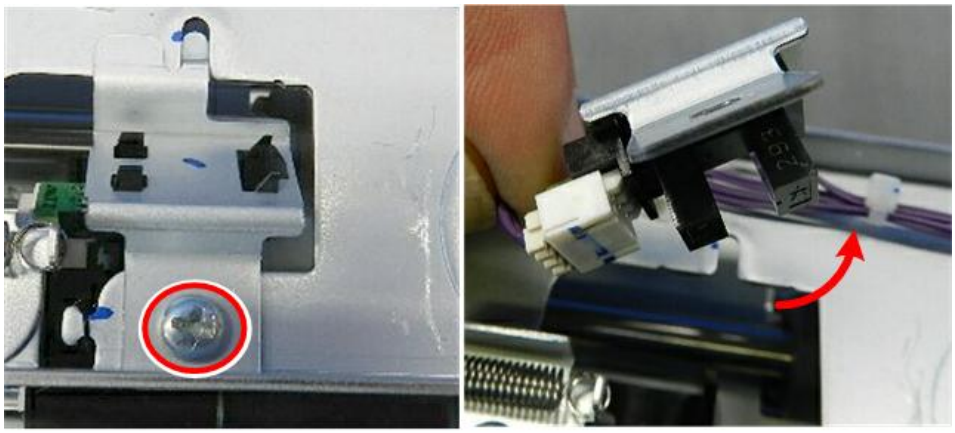
Pickup Roller Lift Sensor

1. Remove the PFU (PFU 1, 2, 3 Removal)
2. The lift sensor is on top of the unit.



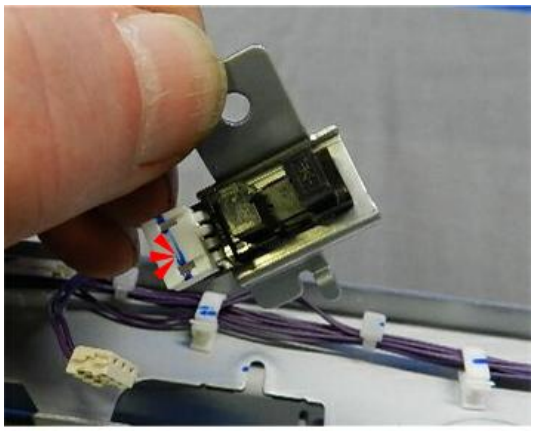
d1793371

3. Remove the bracket (with sensor attached) (x1).



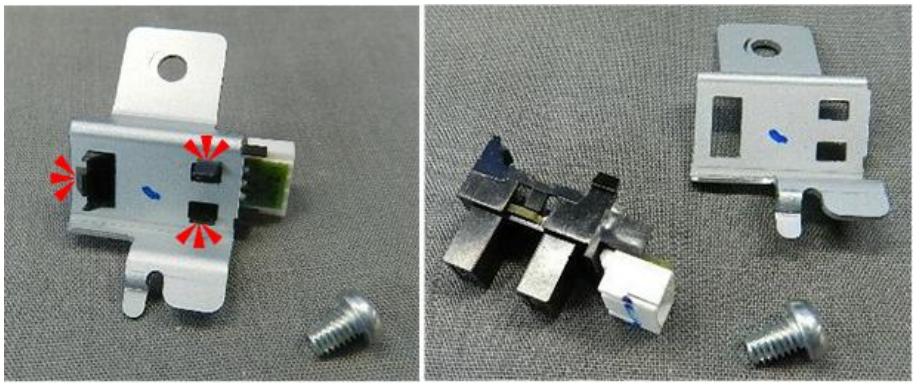
d1793372

4. Disconnect the sensor (x1).



d1793373

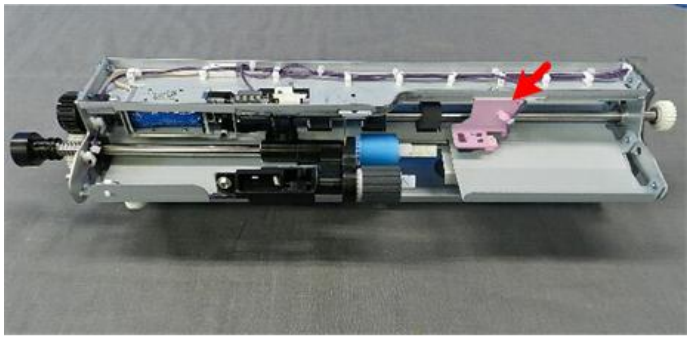
5. Separate sensor and bracket (x3).



d1793374

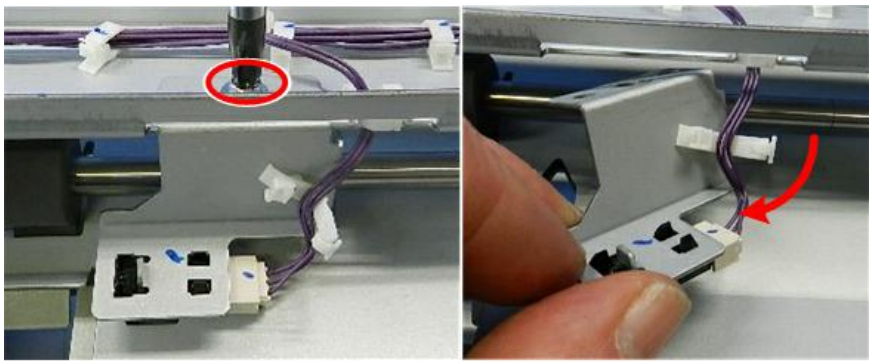
Paper Feed Sensor

1. Remove the PFU (PFU 1, 2, 3 Removal)
2. The paper feed sensor is on the left, toward the front.



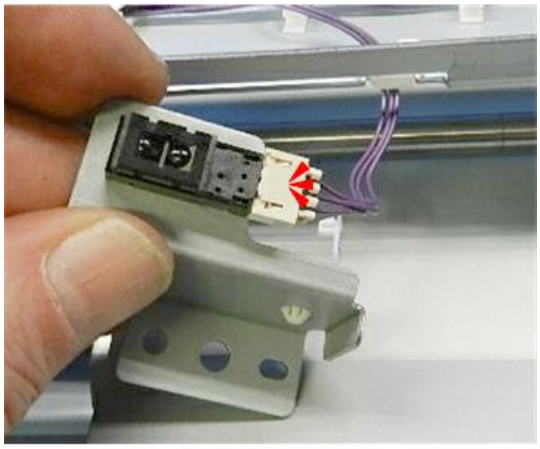
d1793375

3. Disconnect the sensor bracket (x1, x1).



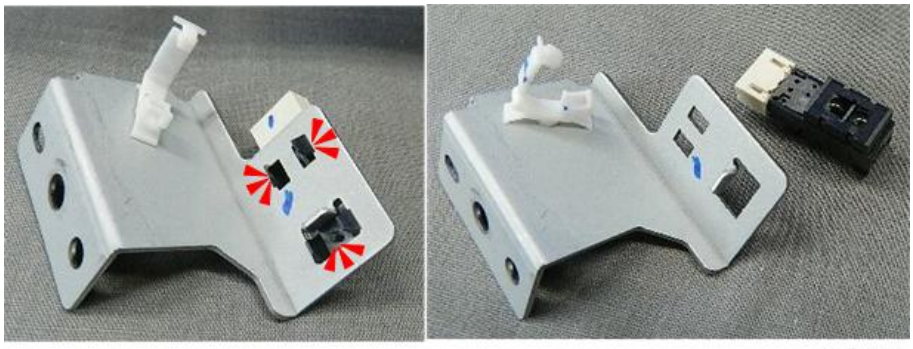
d1793376

4. Disconnect the sensor (x1).



d1793377

5. Separate sensor and bracket (x3).

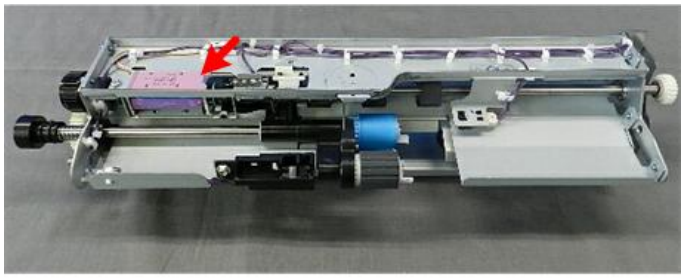


d1793378

Pickup Roller Solenoid

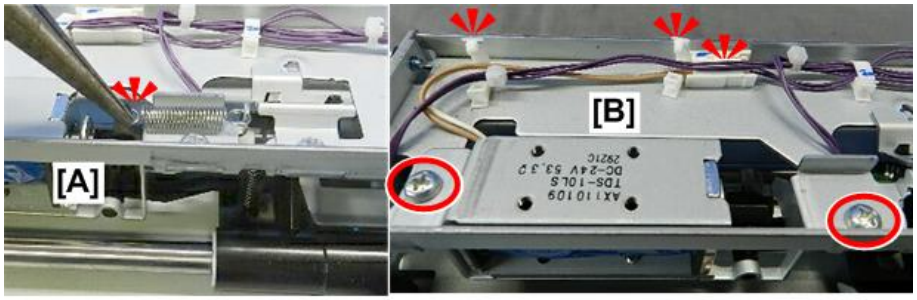
1. Remove the PFU (PFU 1, 2, 3 Removal)

2. The pickup roller solenoid is on top of the unit toward the rear.



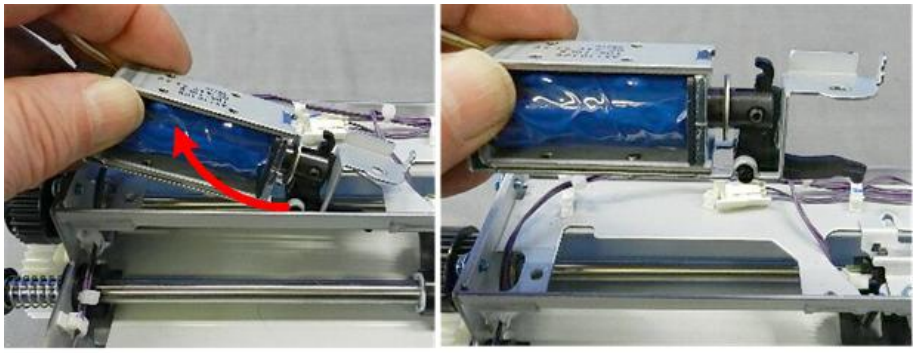
d1793379

3. Remove the spring [A] (x1).
4. Disconnect the bracket [B] (x2, x1, x2).



d1793380

5. Remove the solenoid.



d1793381

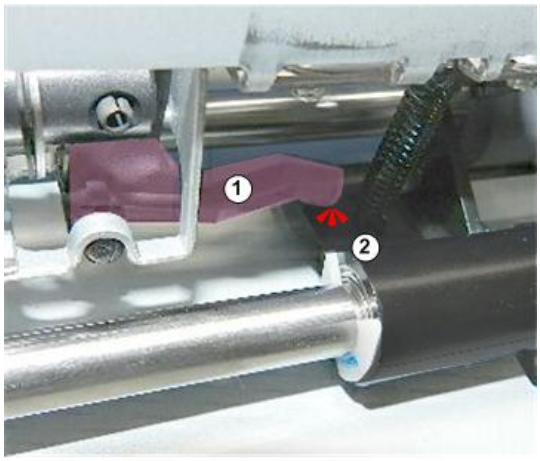
6. Separate solenoid and bracket (x2).

d1793382

Re-installation

1. When you re-install the pickup roller solenoid, make sure that the arm of the solenoid ① is on the lift arm

of the pick-up roller shaft ②.



d1793383

2. Depress the pickup roller and make sure that it bounces up and down.

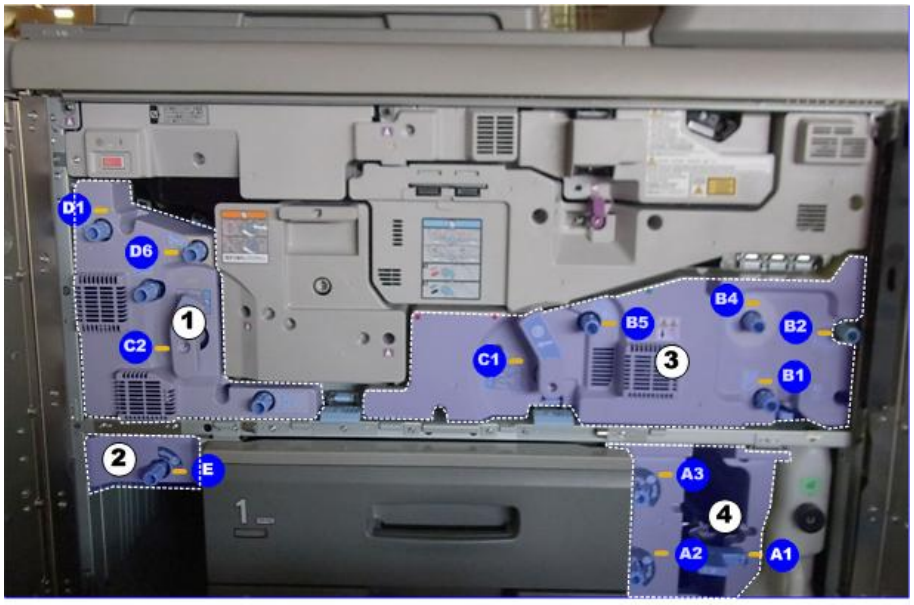
Important

- If the actuator of the solenoid is not positioned correctly, the pickup roller will catch on the frame and jam the right tandem tray when the PFU is re-installed.

Jam LEDs

Jam LED Locations

Twelve new jam LEDs are provided on the front covers of the drawer. An LED lights if a jam occurs at its location. This makes it much easier to locate and remove sheets that jam in the paper path by manually rotating the jam removal knobs.



d270b0043

The 12 jam LEDs are behind four covers on the front of the machine.

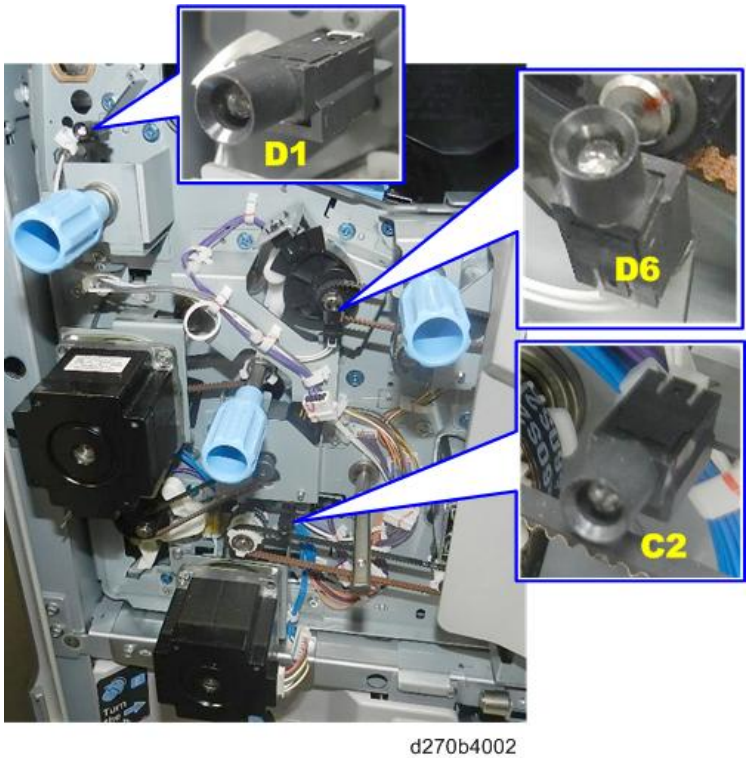
Important

At the present time (Oct. 2016) LEDs A1, B1, B2 and D1 in the table below are not functional. Their function will be enabled in the near future.

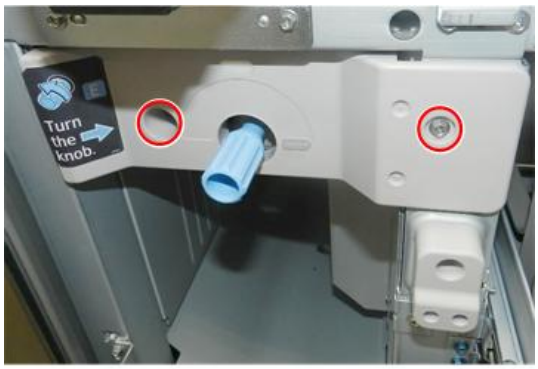
No.	Cover	LED
1	Exit unit	C2, **D1**, D6
2	Purge tray	E
3	Registration unit	**B1**, **B2**, B4, B5, C1
4	Vertical transport unit	**A1**, A2, A3

Exit Unit Cover: D1, D6, C2

There are three jam LEDs behind the exit unit cover.

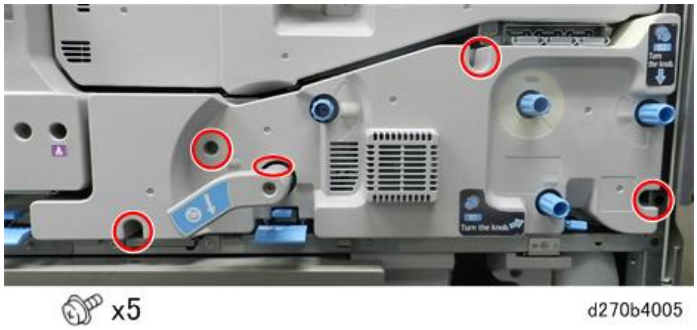


Purge Tray Cover: E

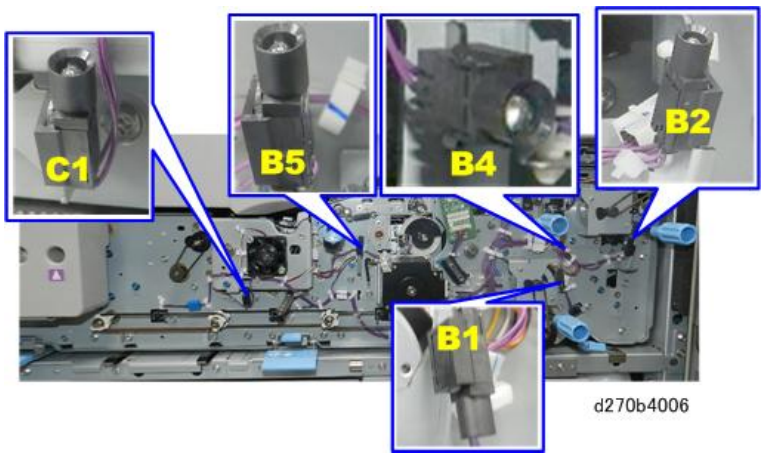


There is one jam LED behind the purge tray cover.

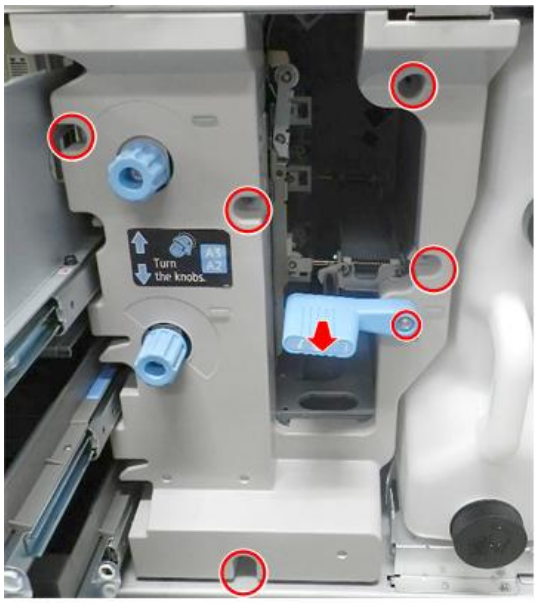
Registration Unit Cover: C1, B5, B4, B2, B1



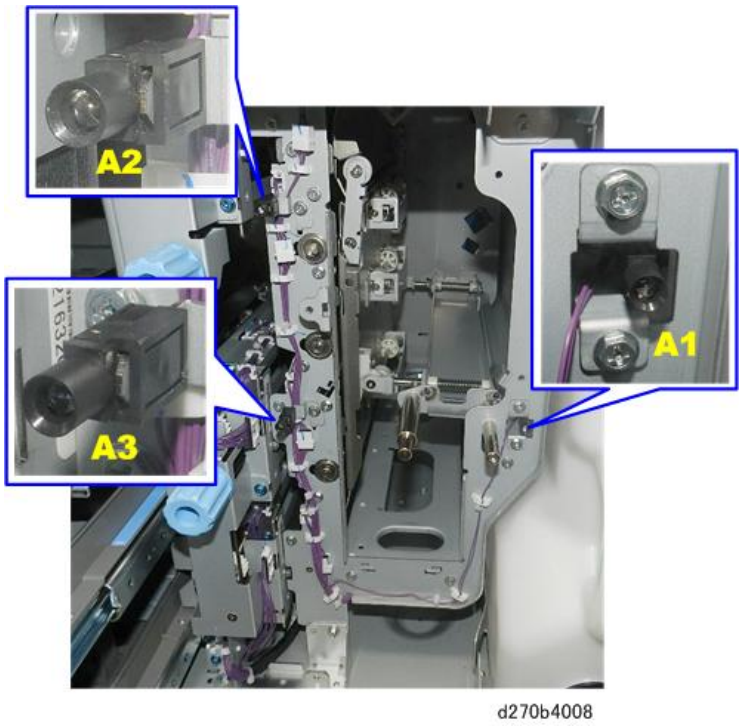
There are five jam LEDs behind the registration unit cover.



Vertical Path Cover: A2, A3, A1



There are three jam LEDs behind the vertical transport unit cover.



Note

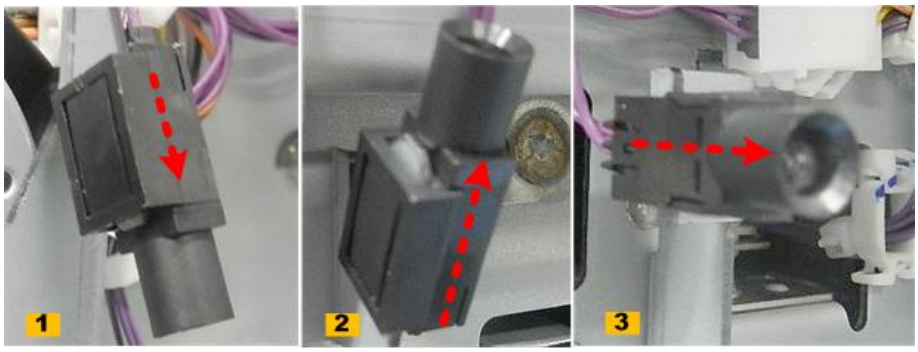
- A1 is the only LED that is held in place by a bracket. This bracket must be removed first, in order to remove the LED (x2).

Removing a Jam LED and Lens

This is the basic procedure for replacing a jam LED. This procedure applies to every jam LED in the paper path.

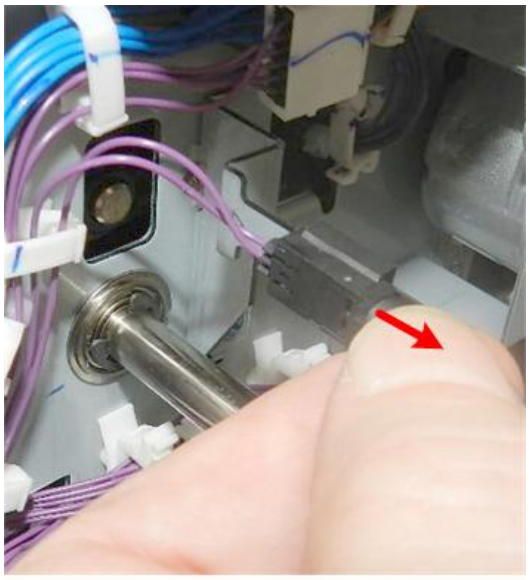
1. First, note the orientation of the LED. Some point down [1], some point up [2], and others point straight out

[3].



d270b4009

2. Slowly, pull the LED slowly off its base in the direction that it is pointing.



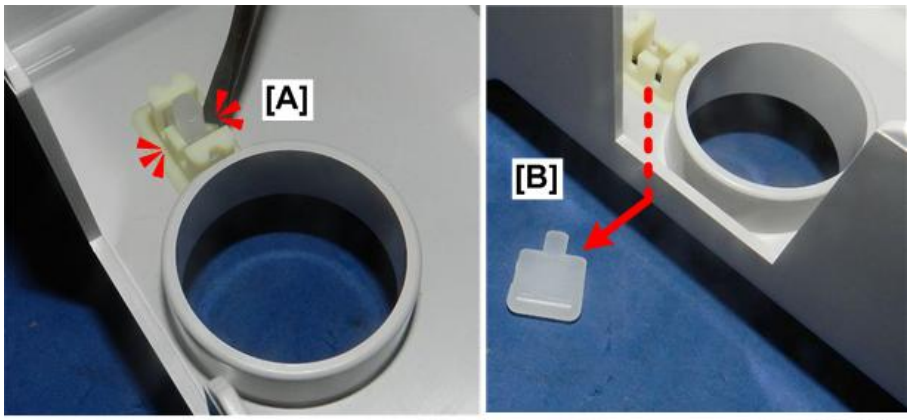
d270b4010

3. Disconnect the LED (x1).

d270b4011

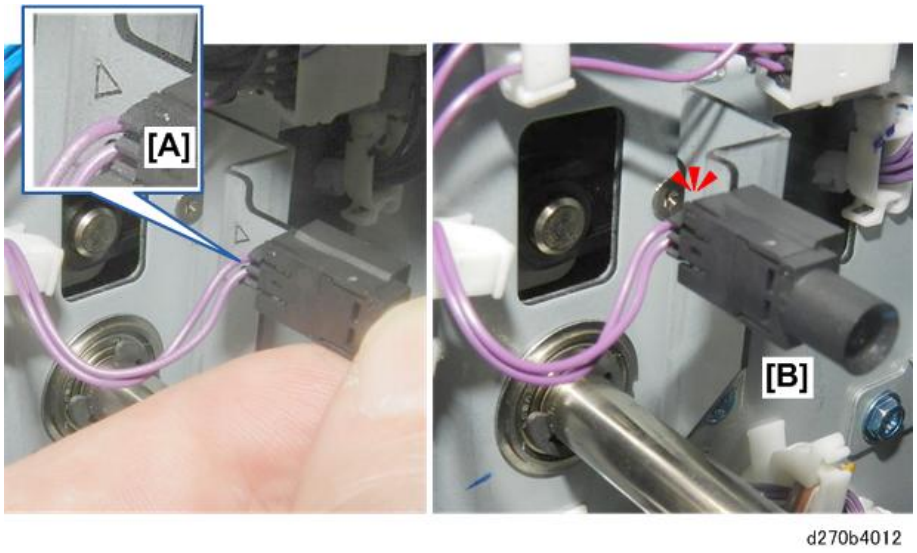
4. Each jam LED is paired with one lens attached to the cover. To remove a lens, at the back side of the cover [A] release the tabs on either side of the lens.

5. The lens will fall out of the front side of the cover [B].

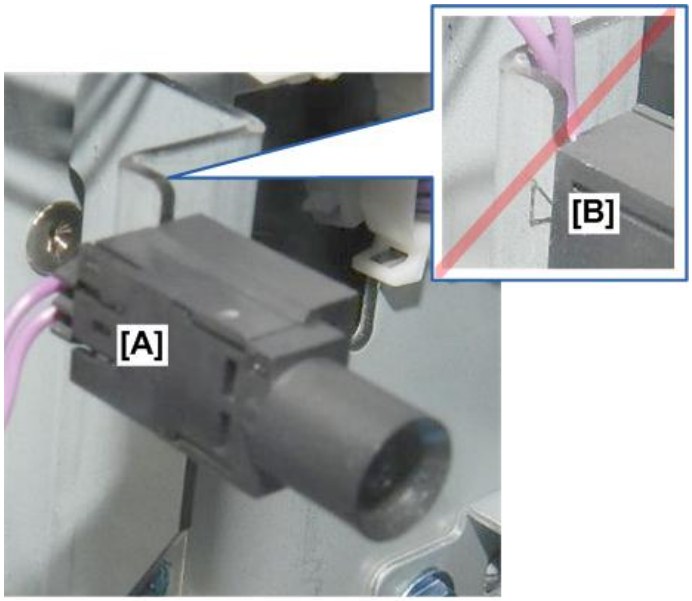


Re-installing a Jam LED and Lens

1. Hold the LED so that its harness and connector [A] are on the same side as the triangle embossed on the base.
2. Slowly, push the LED [B] onto its base.



3. Check the base [A] and confirm that the embossed triangle is not visible.
   If the triangle is visible, the LED is installed incorrectly [B]. Remove the LED, turn it over and then push it onto the base again.



d270b4013

Important

- If the LED is installed incorrectly, the LED and lens will not be aligned correctly. This could damage the LED or lens when you try to re-attach the cover.

Vertical Transport Unit

Opening the VTU

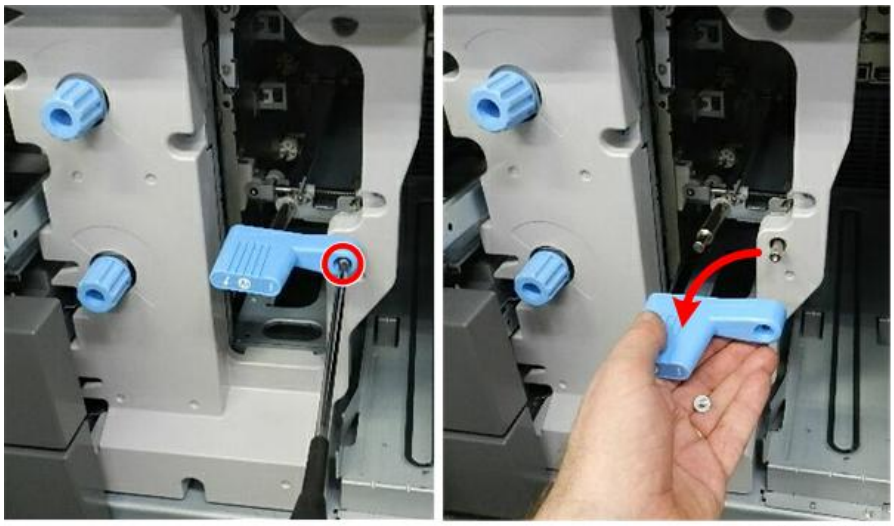
1. Open the front doors.
2. Remove the toner bottle.

d1793401

3. Pull out the paper trays.

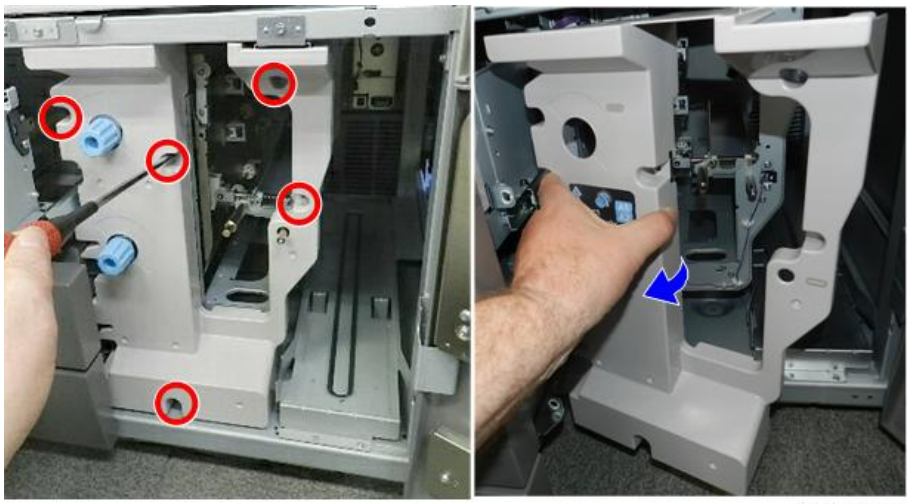
d270b3402

4. Remove the VTU handle (x1).



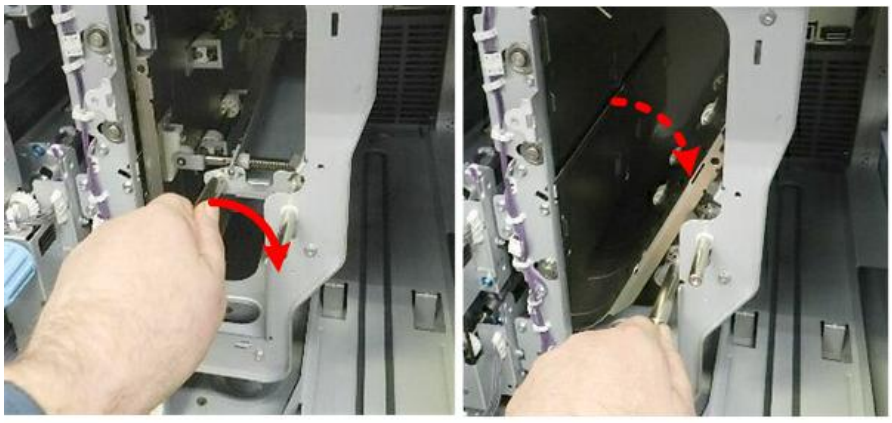
d1793403

5. Remove the VTU cover (x5).



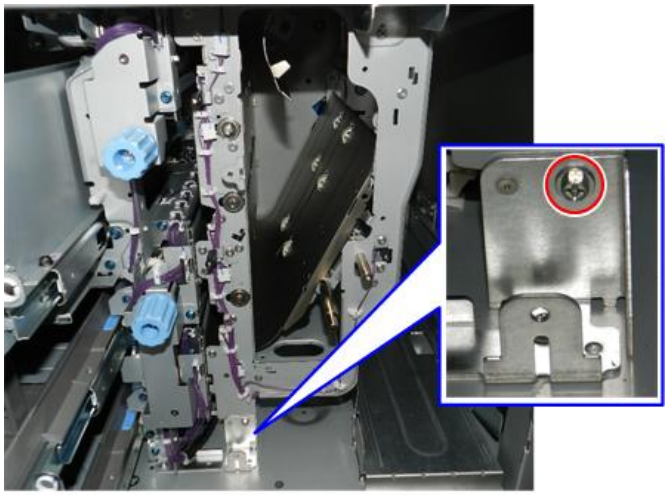
d270b3404

6. Lower the handle to open the VTU paper path plate.



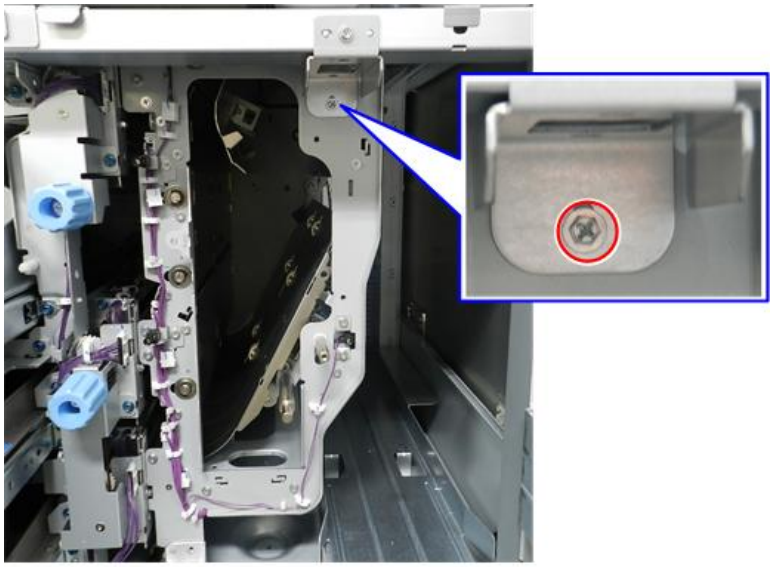
d1793405

7. Disconnect the left bottom corner (x1).



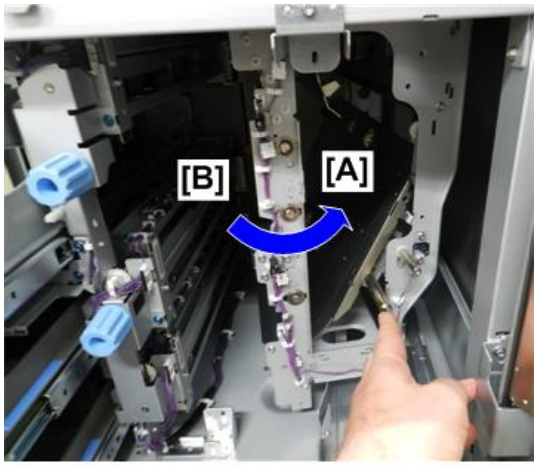
d270b3406

8. Disconnect the upper right corner (x1).



d270b3407

9. Push the right brace [A] completely to the right to open the gap [B] between the paper feed units on the left and the VTU on the right.



d270b3408

Transport Sensors

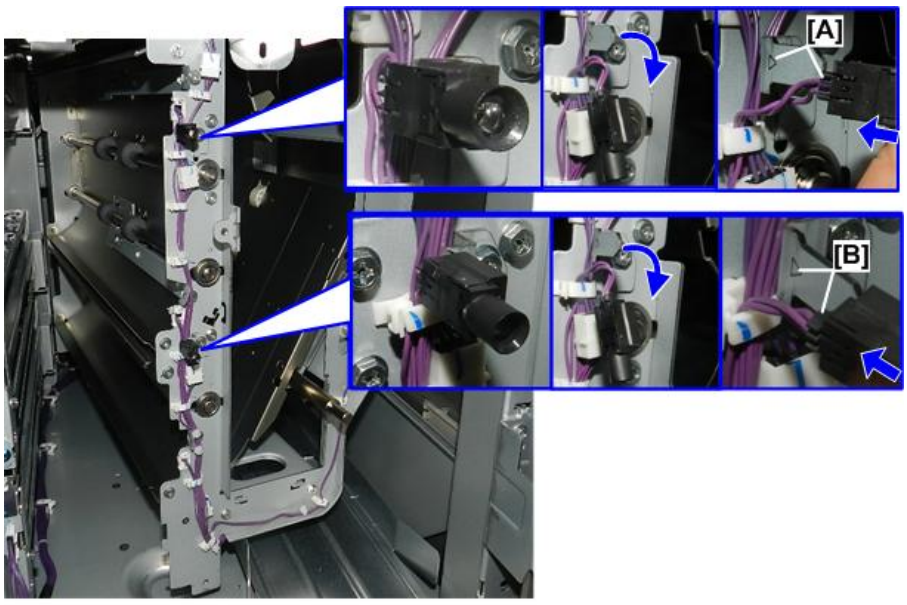
The transport sensors can be removed without removing the VTU from the machine.

①	1st Transport sensor (F1)
②	2nd Transport sensor (F2)
③	3rd Transport sensor (F3)
④	Vertical transport sensor

Important

- There are two paper jam LEDs on the front of the VTU. Work carefully to avoid knocking these LEDs off their posts or cutting or scratching fingers on their sharp edges. To avoid problems during bracket removal, just pull them off their posts temporarily.

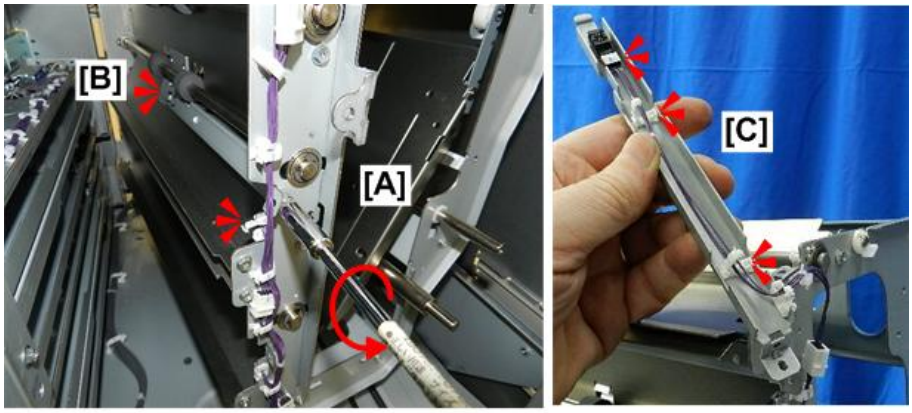
1. Open the VTU (Opening the VTU)
2. At the front of the VTU, pull the two paper jam LEDs off their posts. You do not need to disconnect them.
3. When you set them again, be sure the LED connector is on the same side as the black triangles [A] and [B].



d270b3447

4. At the front [A], disconnect the sensor bracket (x1, x1).
5. Disconnect the bracket at the rear [B] (x1).

6. Separate sensor and bracket [C] (x2, x1).



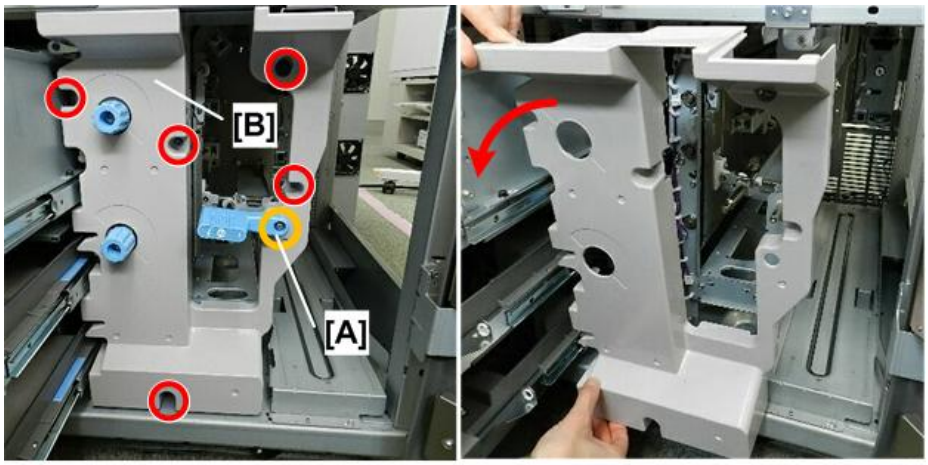
d1793447

VTU Removal

1. Open the front doors
2. Pull out the paper trays
3. Pull out the front drawer
4. Open the controller box (Opening the Controller Box)
5. Remove the right cover (Right Cover)
6. Remove the toner bottle.

d1793421

7. Remove handle [A] and cover [B] (x5).

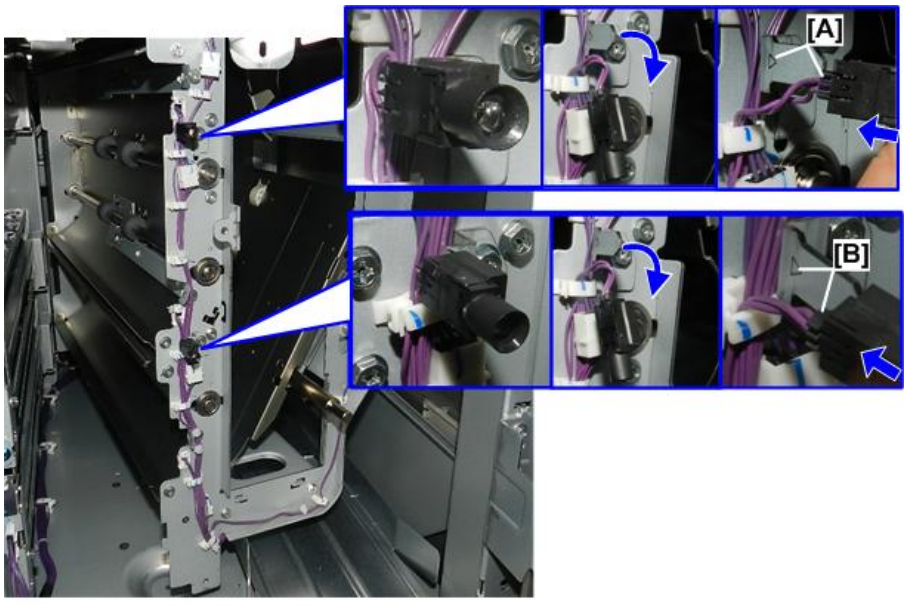


d1793422

Important

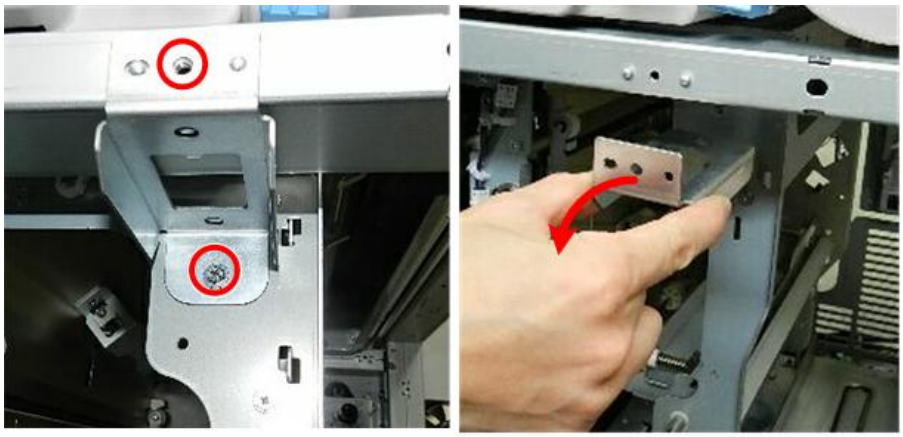
- There are two paper jam LEDs on the front of the VTU. Work carefully to avoid knocking these LEDs off their posts or cutting or scratching fingers on their sharp edges. To avoid problems during removal of the VTU, just pull them off their posts temporarily.

8. At the front of the VTU, pull the two paper jam LEDs off their posts. You do not need to disconnect them.
9. When you set them again, be sure the LED connector is on the same side as the black triangles [A] and [B].



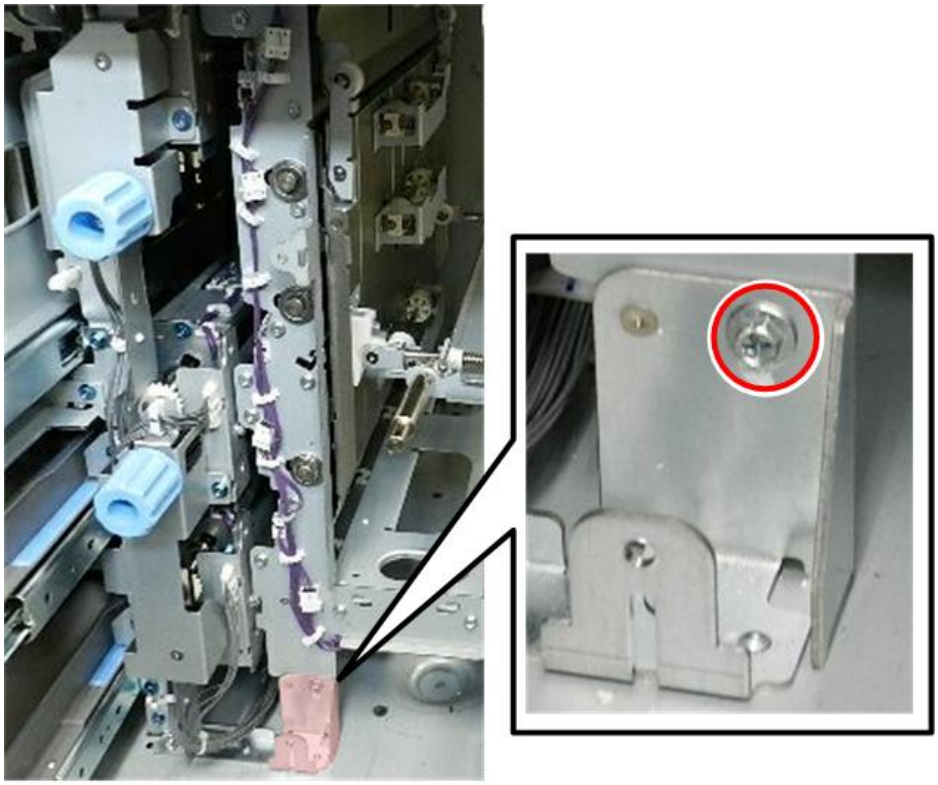
d270b3447

10. Remove a bracket (x2).



d1793423

11. Remove a screw (x1).

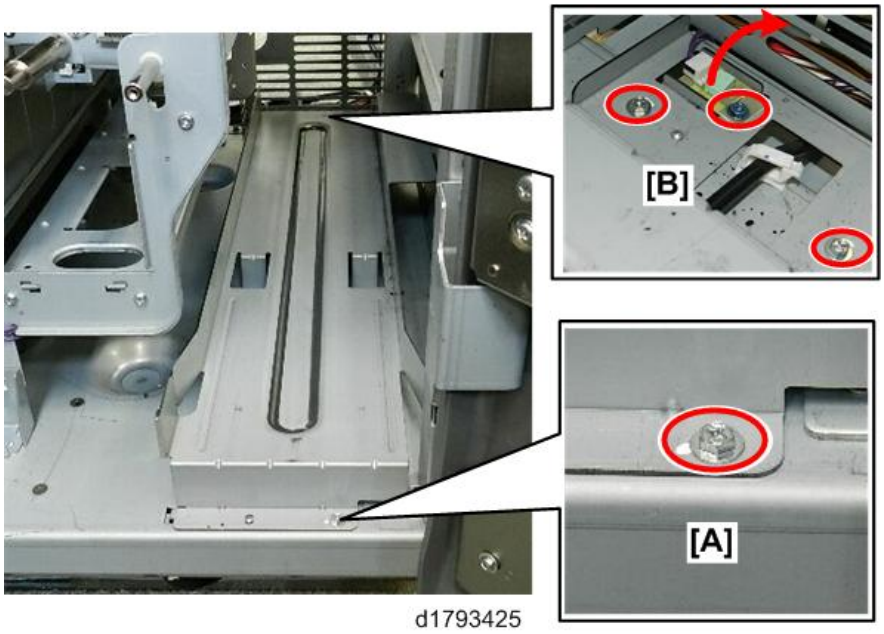


d1793424

12. Disconnect the toner bottle rail:

    [A] Front (x1)

    [B] Rear (x2, x1). When you remove the blue screw, pull out the temperature sensor. You do not need to disconnect the sensor.



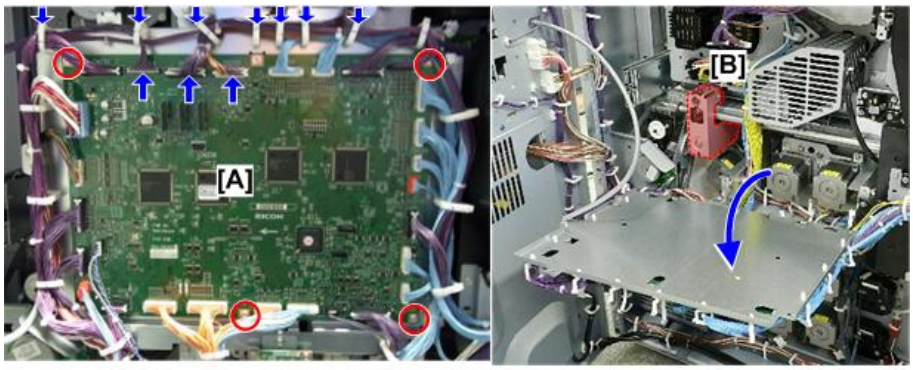
d1793425

13. From the front, slide the toner bottle rail out of the machine.

d1793426

14. Lower the IOB [A] (x7, x3, x4).

15. With the IOB lowered, you can see the bracket [B] that must be removed in the next step.

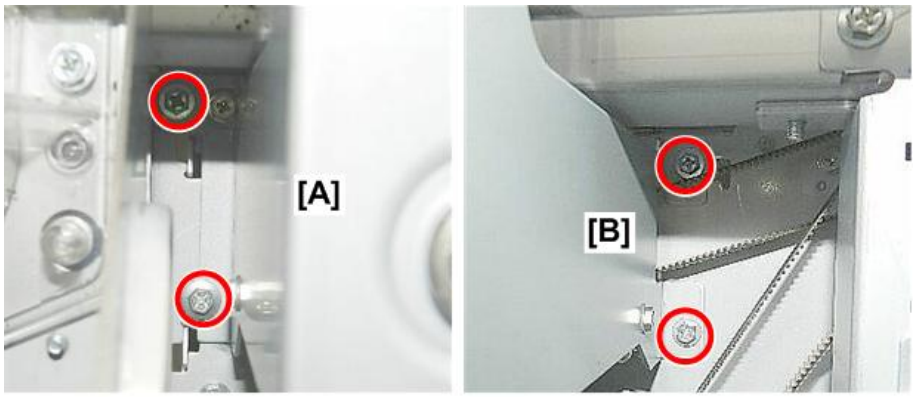


d270b3427

16. Disconnect:

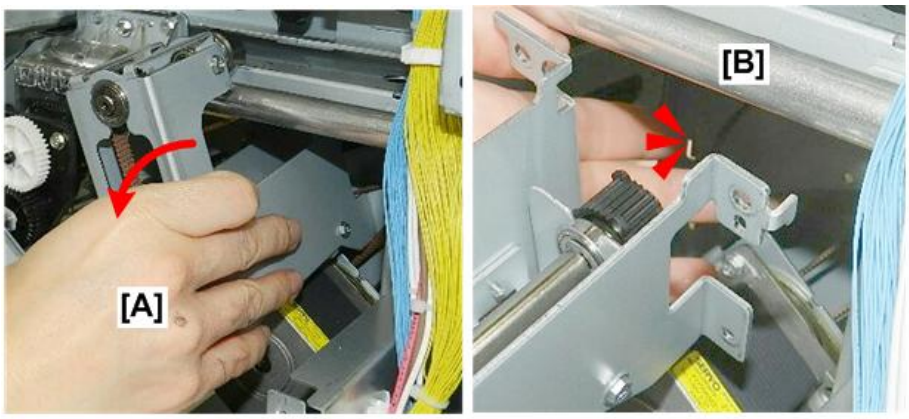
[A] Left side of the bracket (x2)

[B] Right side of the bracket (x2)



d1793428

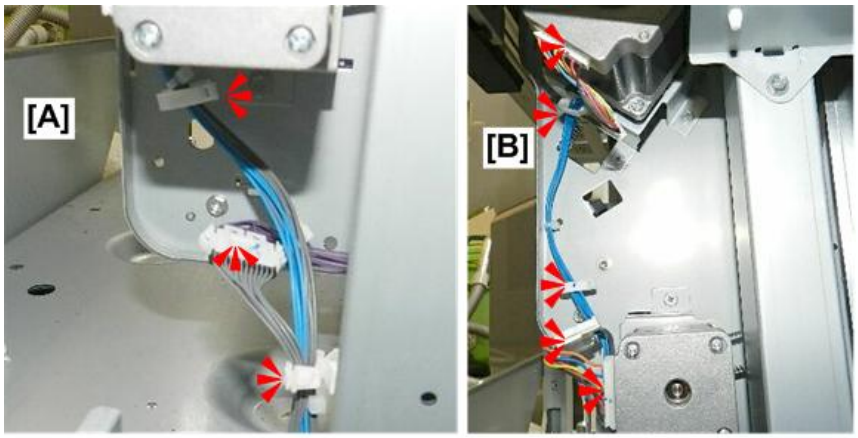
17. As you remove the bracket [A], disconnect the belt [B].



d1793429

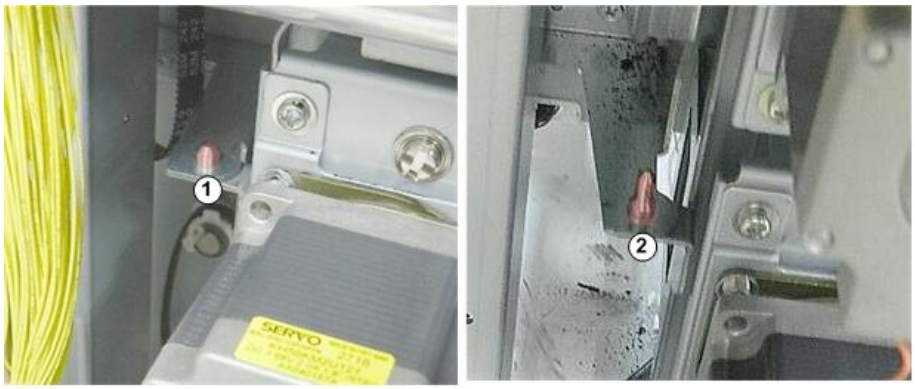
18. At the corner of the machine, below the lowered IOB, disconnect the VTU motor harnesses at [A] and [B]

(x5, x2).



d1793430

19. The VTU unit is mounted on two pins ① and ② below the lowered IOB.

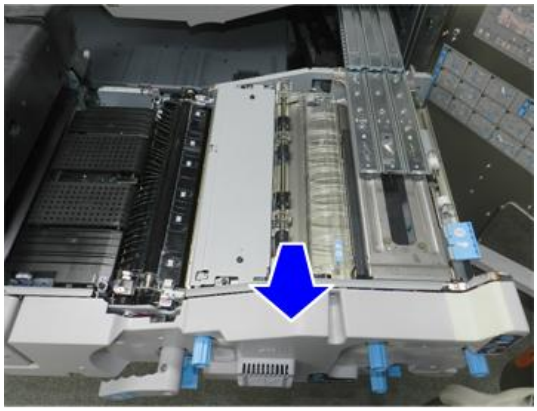


d1793431

20. Make sure that the front drawer is pulled out completely.

Important

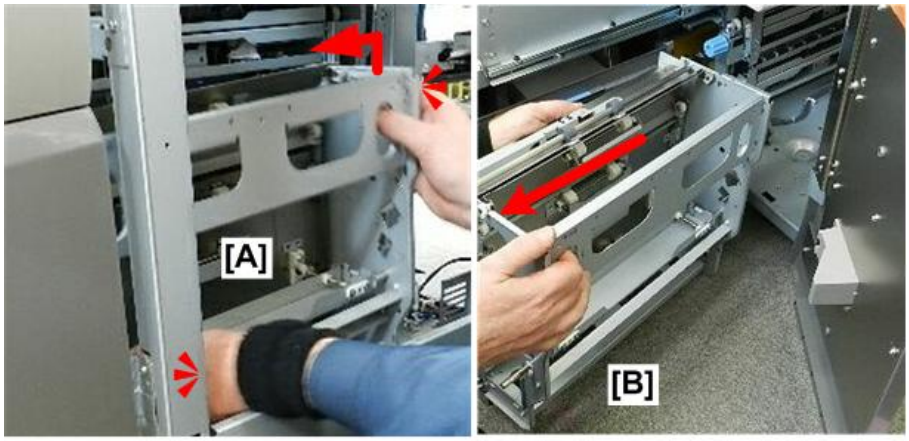
- The VTU cannot be removed with the front drawer inside the machine.



d270b3432

21. On the right side of the machine [A], lift the VTU [A] off its hooks.

22. At the front [B], pull the VTU out of the machine, and then lay it on a flat surface.



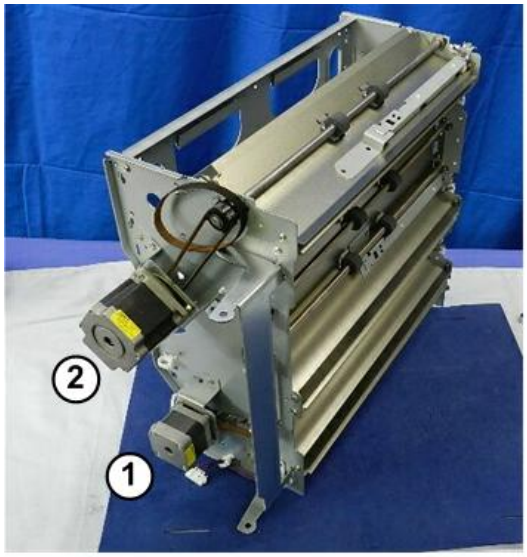
d1793433

23. Set the VTU on a flat stable surface.

d1793434

Bank Exit Motor, Vertical Transport Motor

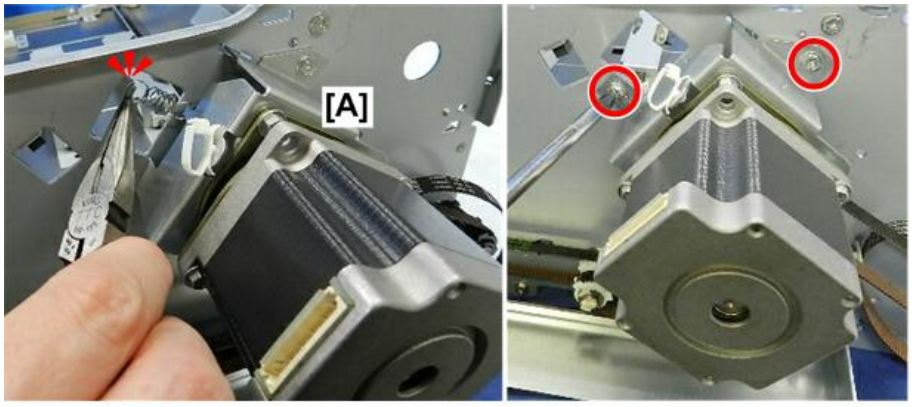
①	Vertical transport motor
②	Bank exit motor



d1793435

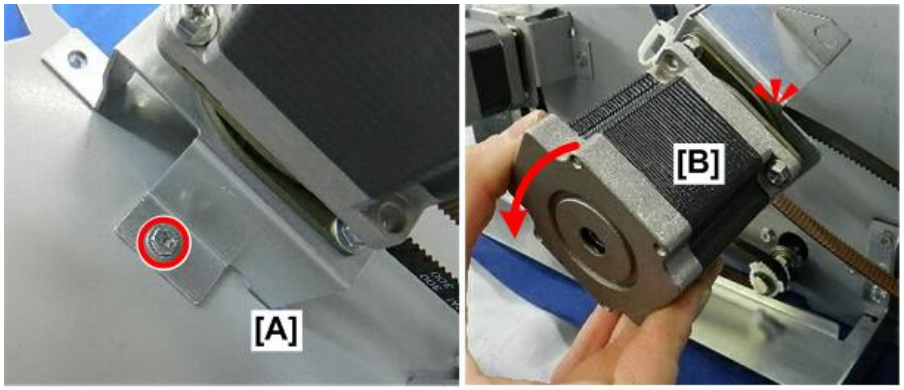
Bank Exit Motor

1. Remove the VTU (Opening the VTU)
2. Disconnect the spring of the bank exit motor [A], and then disconnect the top of the motor bracket (x1, x2).



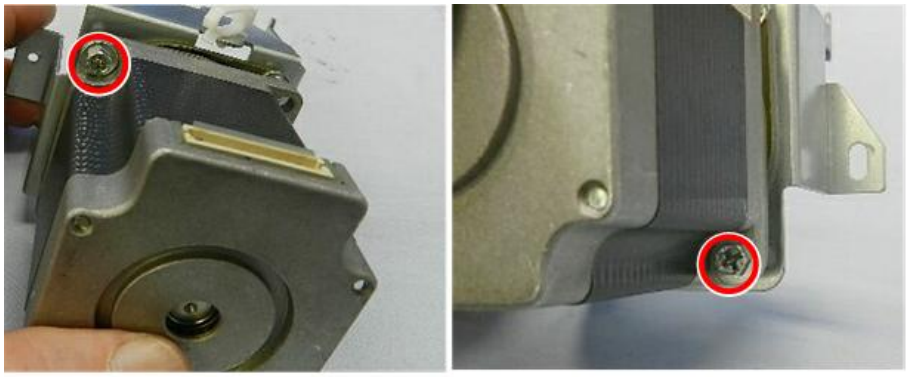
d1793436

3. Disconnect the bottom bracket [A], and then disconnect the belt as you remove the bracket [B] (with motor attached) (x1, x1).



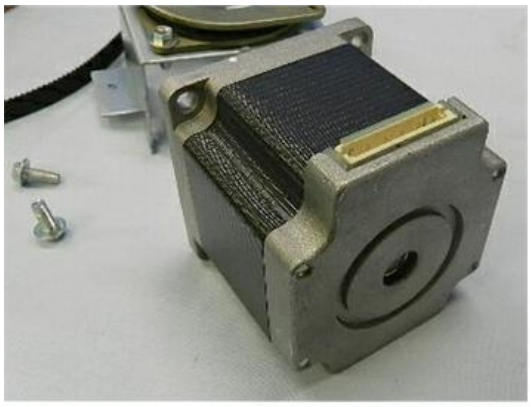
d1793437

4. Disconnect the motor from the bracket (x2).



d1793438

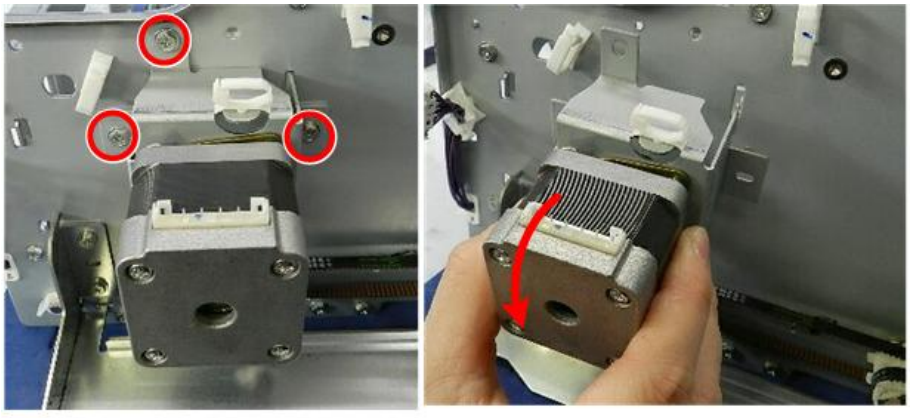
5. Separate the motor and the bracket.



d1793439

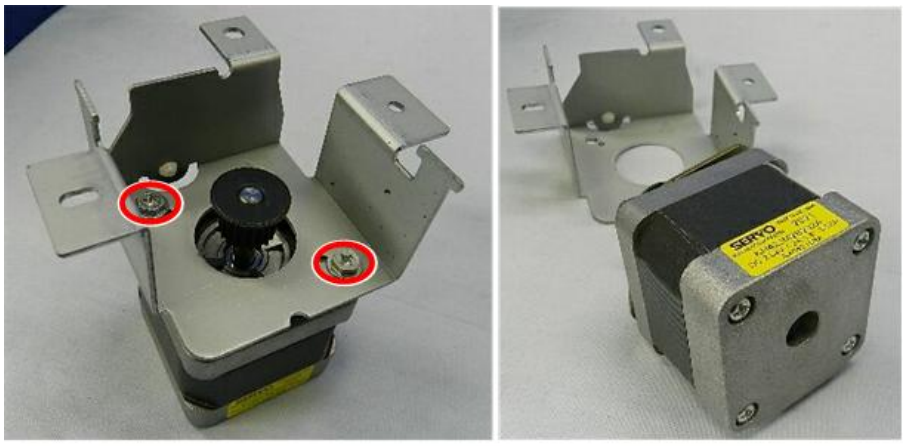
Vertical Transport Motor

1. Remove the VTU (Opening the VTU)
2. Disconnect the motor bracket (x3).
3. As you remove the bracket (with motor attached), disconnect the belt behind the bracket (x1).



d1793440

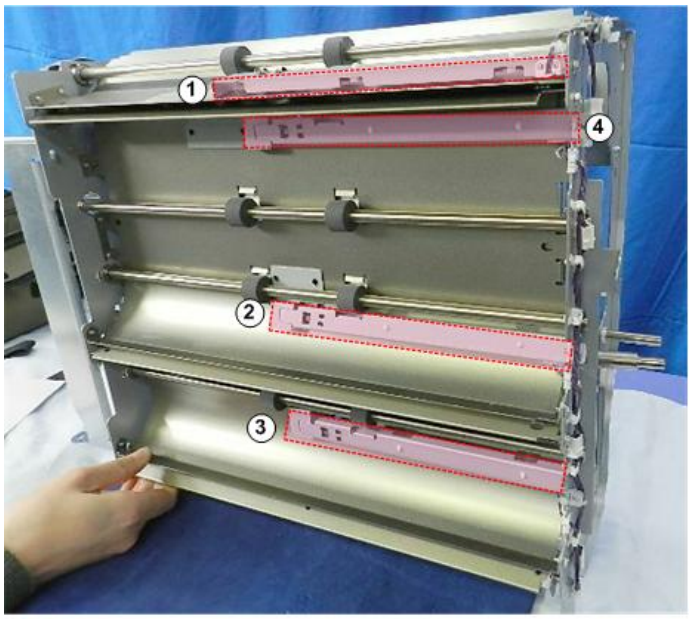
4. Remove the motor from the bracket (x2).



d1793441

Vertical Transport Sensors

①	1st transport sensor (F1)
②	2nd transport sensor (F2)
③	3rd transport sensor (F3)
④	Vertical transport sensor



d1793442

1st Transport Sensor (F1)

1. Open the VTU (Opening the VTU)

Important

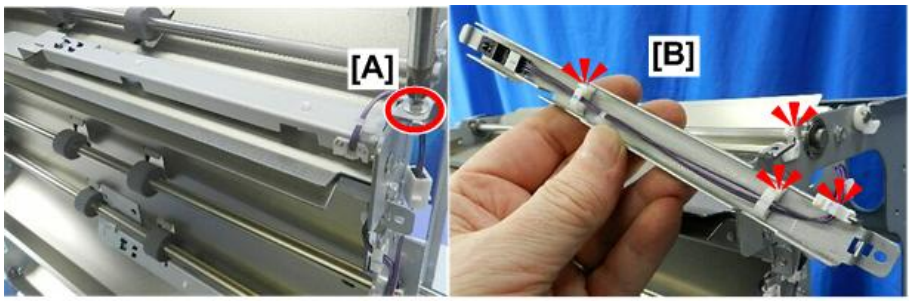
The sensors can be removed without removing the VTU.

Each sensor is removed in the same way:

- Screw (x1)
- Clamps (x4)
- Connector (x1)
- Pawls (x4)

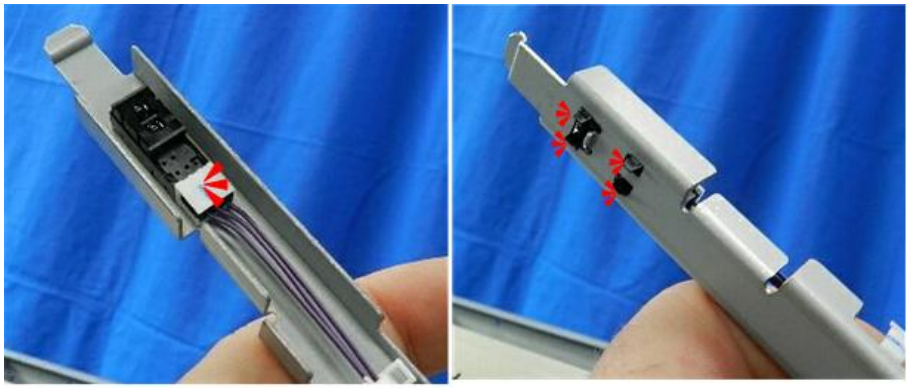
The procedure below describes how to remove the 1st transport sensor. Follow the same procedure to remove any of the other VTU sensors.

1. Disconnect the sensor bracket at the front [A] (x1).
2. Disconnect the sensor harness inside the bracket [B] (x3).



d1793443

3. Remove the sensor (x1, 4).



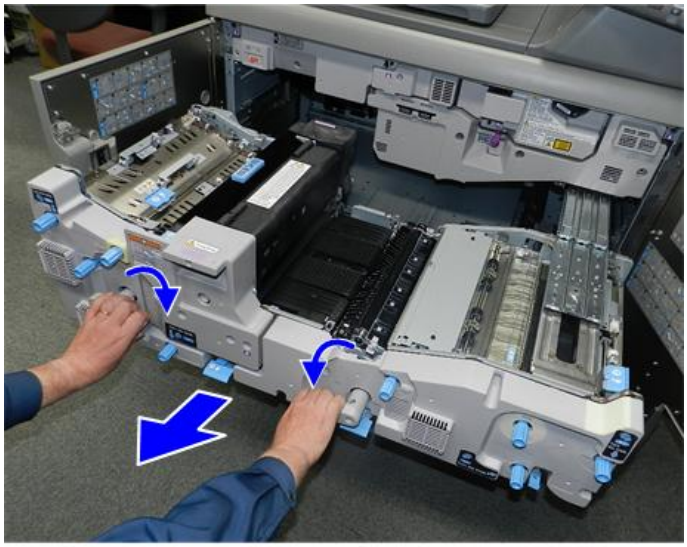
d1793444

Registration Unit

Paper Dust Tray

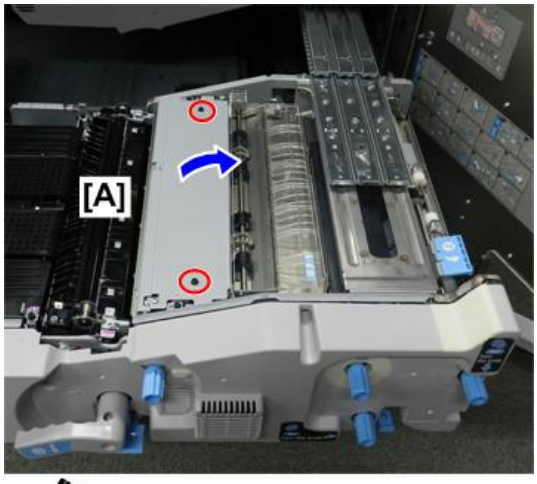
The dust collector should be opened and emptied very PM visit.

1. Open both front doors, and then pull out the drawer.



d270b2213

2. Remove the cover [A]

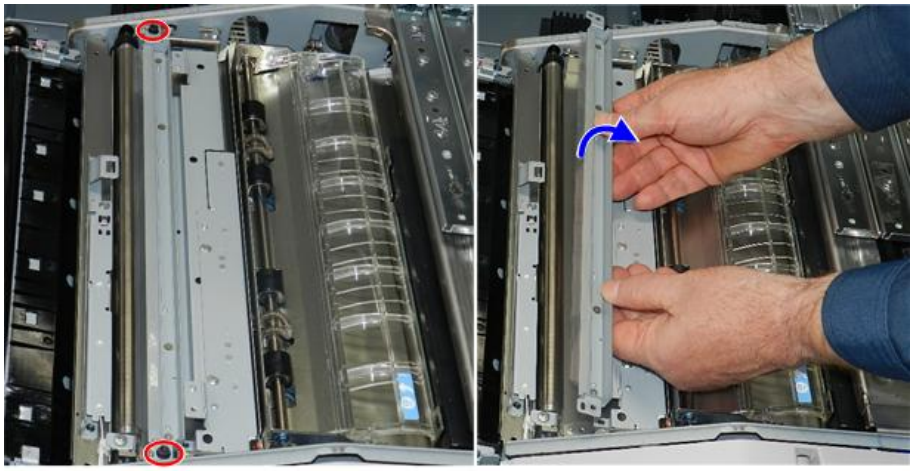


x2

d270b3501

3. Remove the dust collector (x2).

4. Empty the collected paper dust into a trash bin.



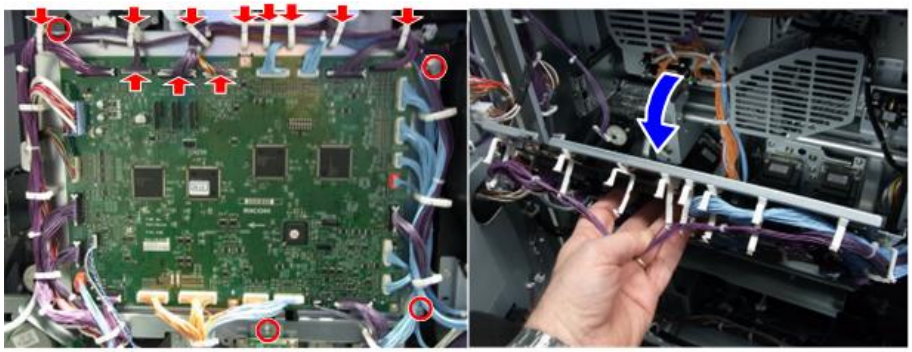
d270b3502

Motors

1. Open the controller box (Opening the Controller Box)

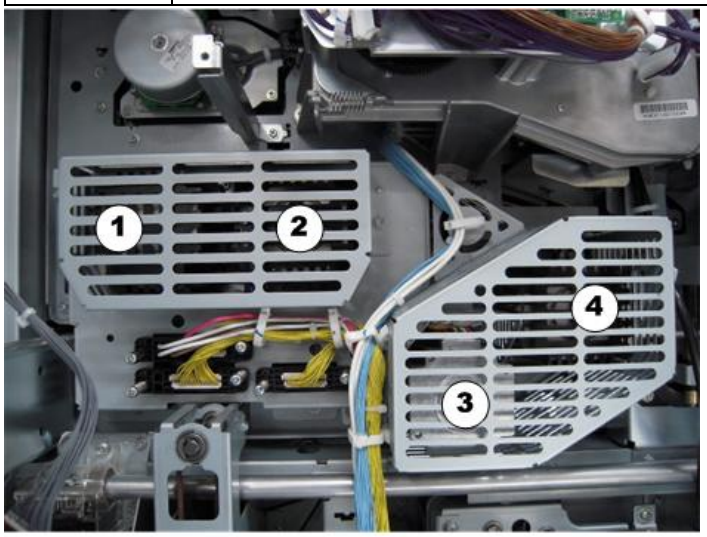
d270b2226

2. Lower the IOB (x8, x3, x4). (Lower the IOB)



d270b3029

①	Registration Entrance Motor
②	Registration Timing Motor
③	Registration Gate Roller Motor
④	Transport Timing Motor



d1793503

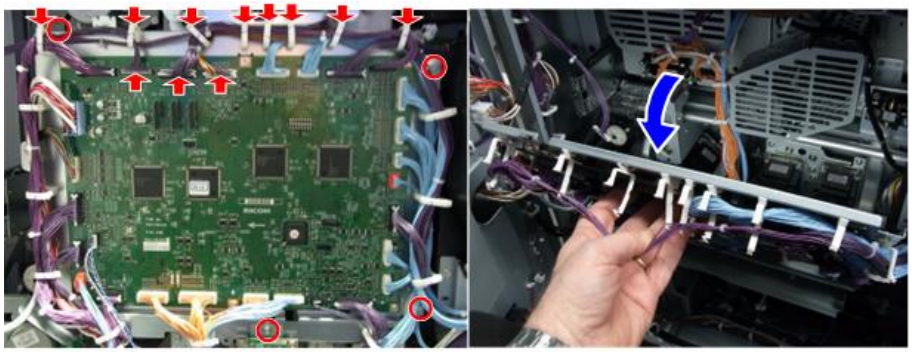
These four motors can be accessed and are serviced from the back of the machine.

Registration Entrance Motor

1. Open the controller box (Opening the Controller Box)

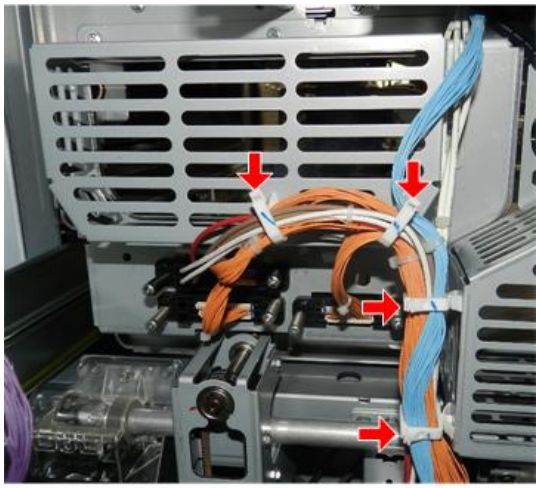
d270b2226

2. Lower the IOB (x8, x3, x4).(Lower the IOB)



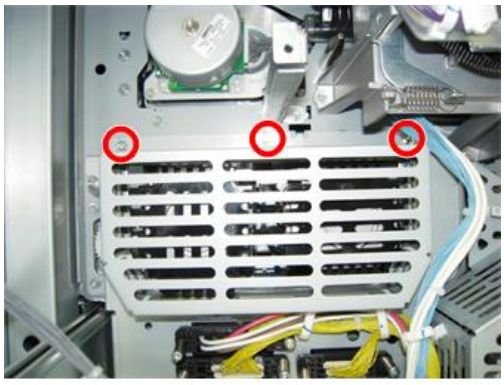
d270b3029

3. Free the harnesses (x4).



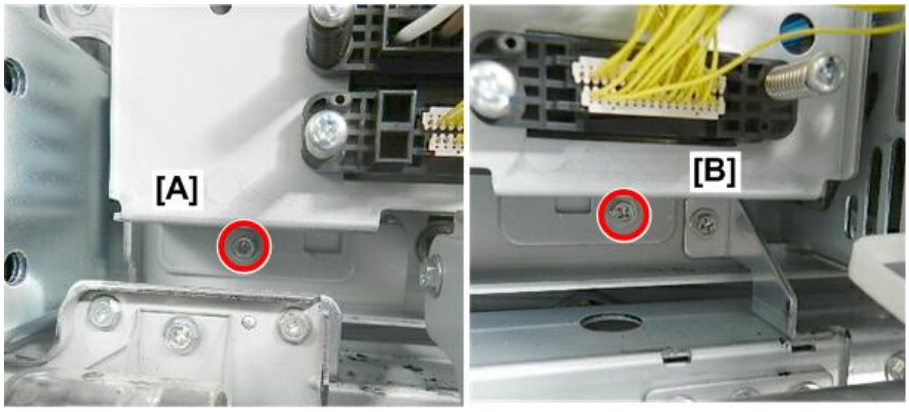
d270b3505

4. Disconnect the top of the plate (x3).



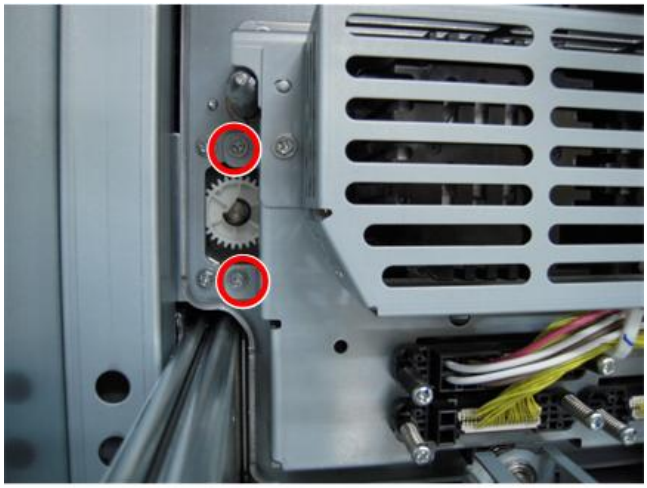
d1793506

5. Disconnect the bottom of the plate at [A] and [B] (x2).



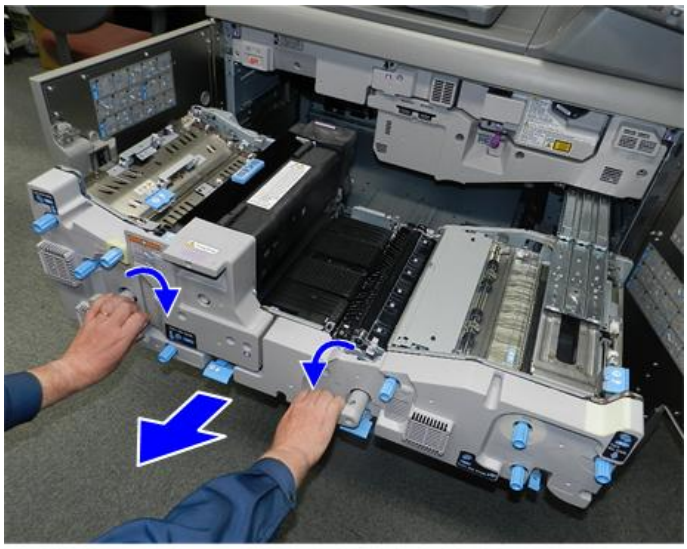
d1793507

6. Disconnect the side of the plate (x2).



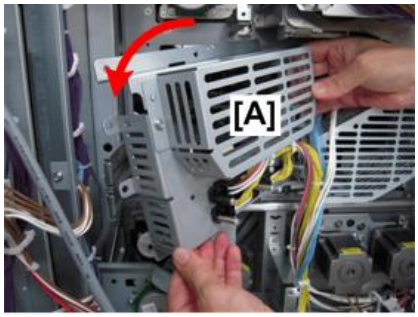
d1793508

7. Pull out the front drawer.



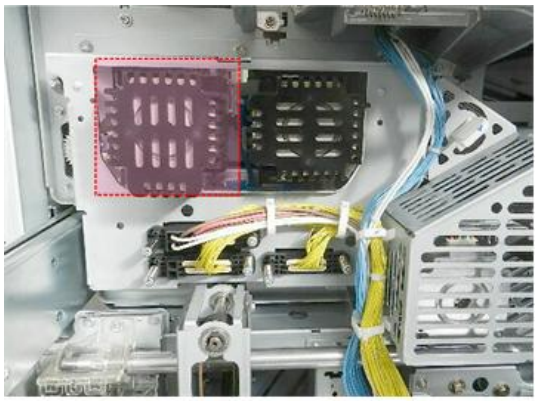
d270b2213

8. Remove plate [A].



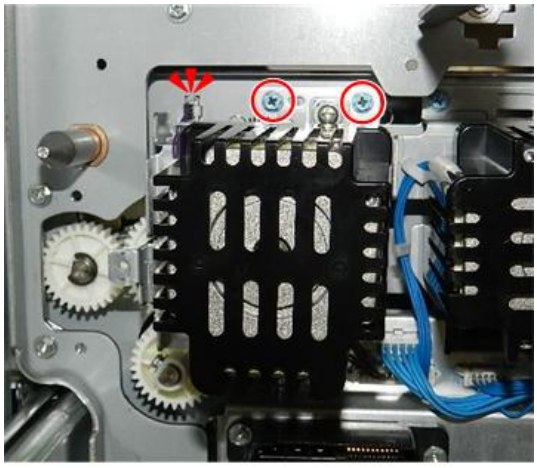
d1793510

9. Push the front drawer completely into the machine so that you can access the motors again.
10. The registration entrance motor is on the left.



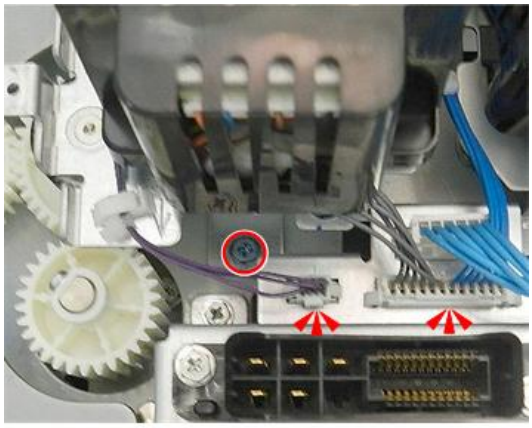
d1793504

11. Disconnect the motor bracket at the top (x1, x2).



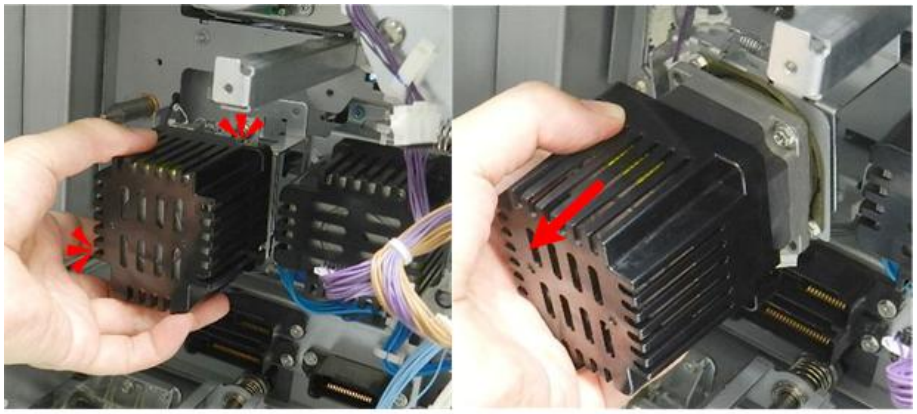
d1803521

12. Disconnect the motor bracket at the bottom (x2, x1).



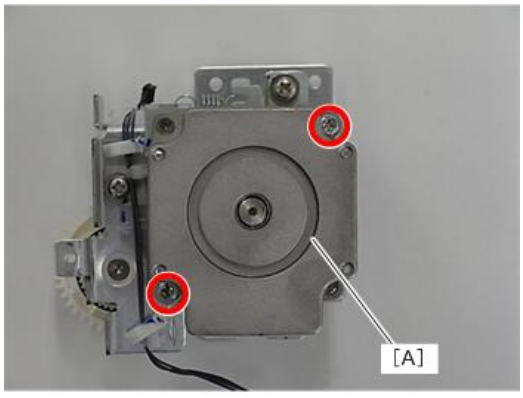
d1803522

13. Disconnect the cage and then remove the motor bracket with motor attached (x2).



d1803523

14. Separate motor [A] and bracket (x2).

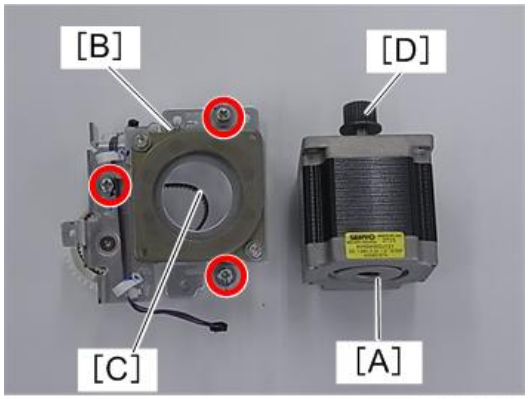


d1790118

Re-installation

1. When re-installing the motor [A], loosen the three screws to release the tension on the spring [B].

2. Set the belt [C] and the motor gear [D], and then fasten the motor and bracket together (x2).



d1790119

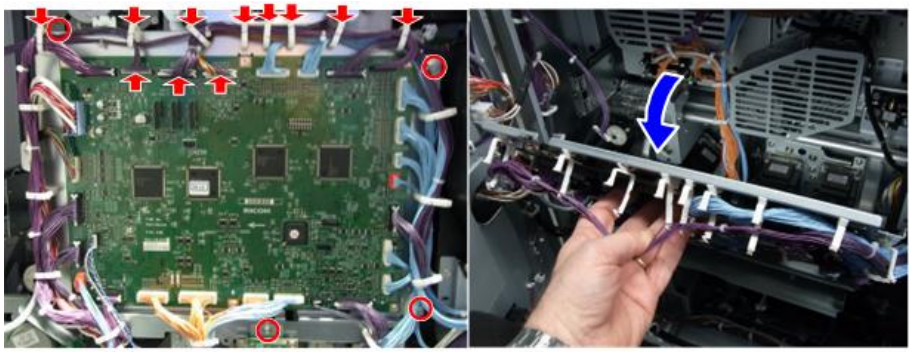
3. Tighten the screws [B] to restore tension on the belt.

Registration Timing Motor

1. Open the controller box (Opening the Controller Box)

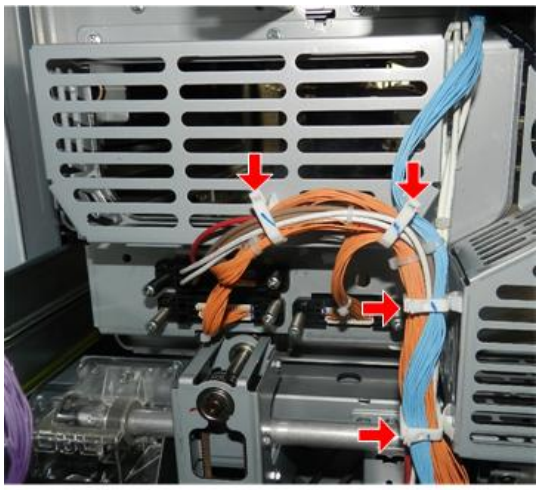
d270b2226

2. Lower the IOB (x8, x3, x4). (Lower the IOB)



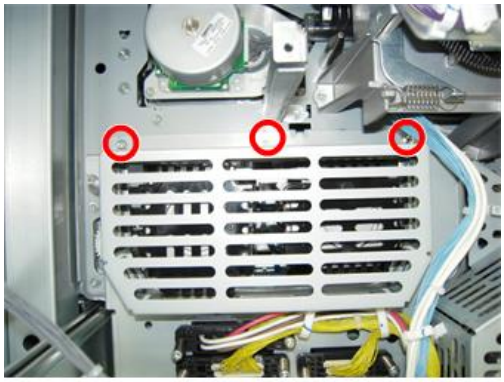
d270b3029

3. Free the harnesses (x4).



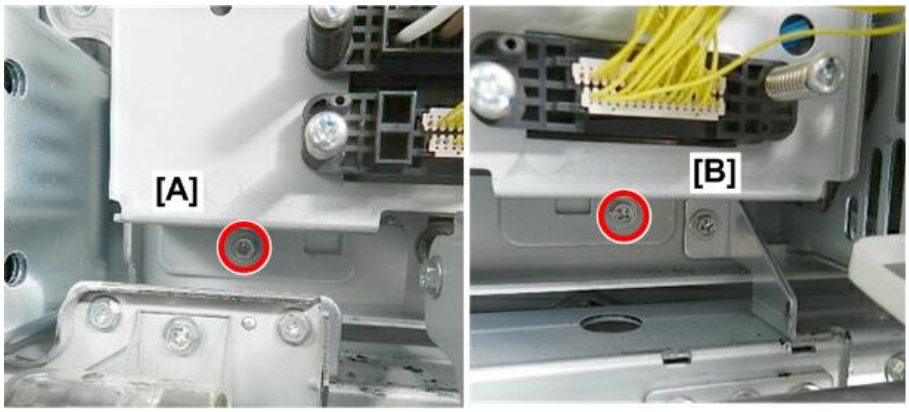
d270b3505

4. Disconnect the top of the plate (x3).



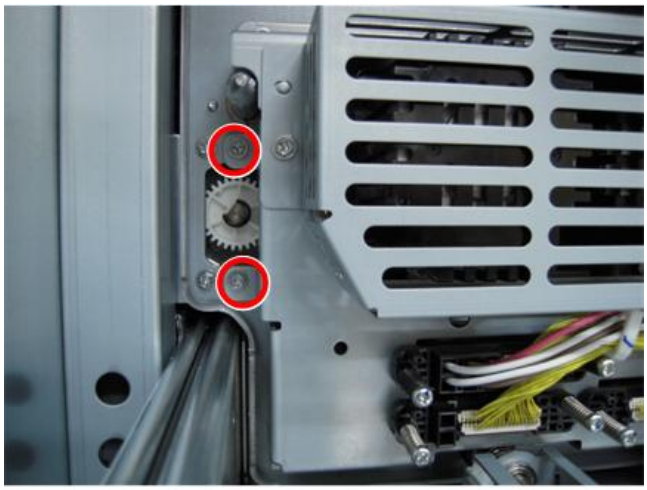
d1793506

5. Disconnect the bottom of the plate at [A] and [B] (x2).



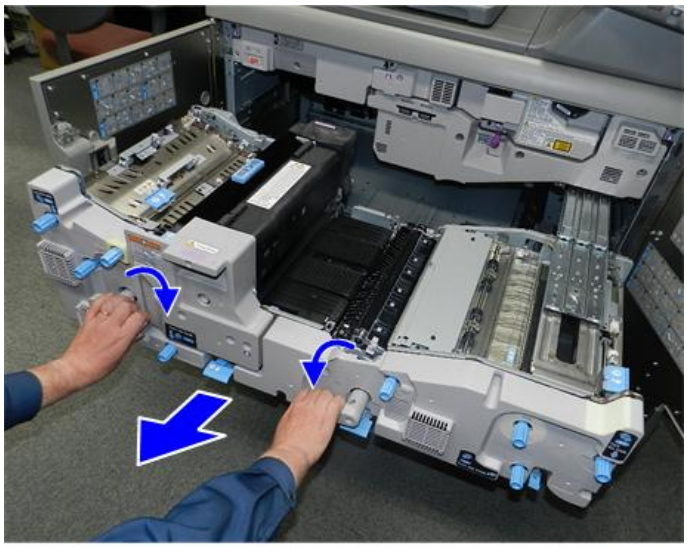
d1793507

6. Disconnect the side of the plate (x2).



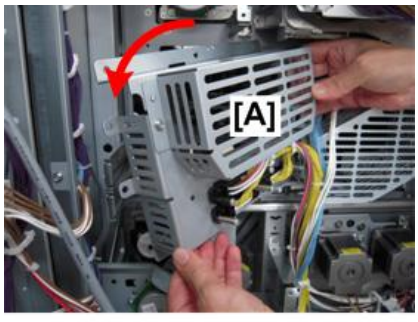
d1793508

7. Pull out the front drawer.



d270b2213

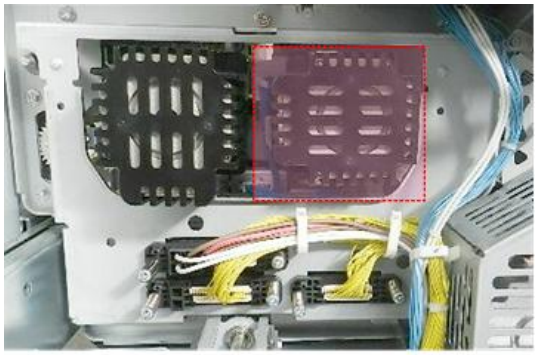
8. At the rear, remove plate [A].



d1793510

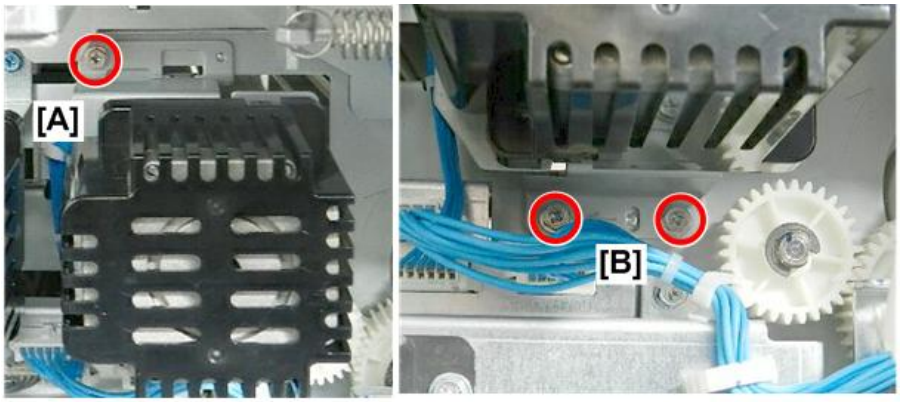
9. Push the front drawer completely into the machine so that you can access the motors again.

10. The registration timing motor is on the right.



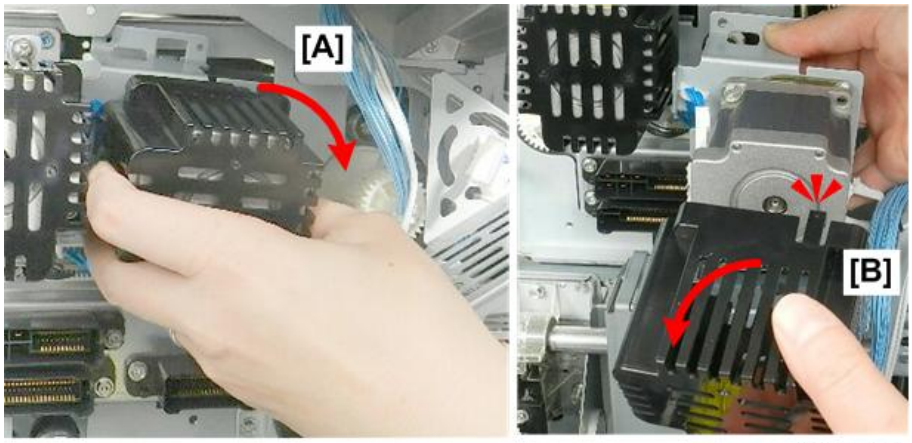
d1793515

11. Disconnect the motor bracket at top [A] and bottom [B] (☞x2).



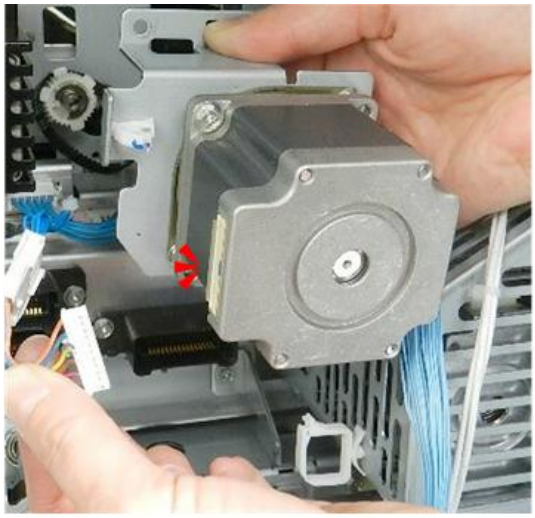
d1793516

12. Pull the motor [A] a small distance away from the back of the machine, and then release the tabs of the plastic motor cage [B] (▾x2).



d1793517

13. Disconnect the motor (x1).



d1793518

14. Disconnect the motor (x2).

d1793519

15. Separate motor and bracket.

d1793520

Note

- After re-installing the motor, pull out the front drawer and confirm that the timing belt is set

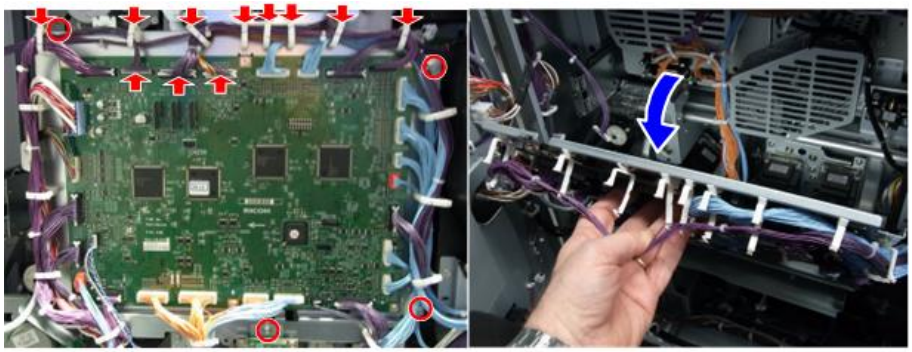
correctly.

Registration Gate Roller Motor

1. Open the controller box (Opening the Controller Box)

d270b2226

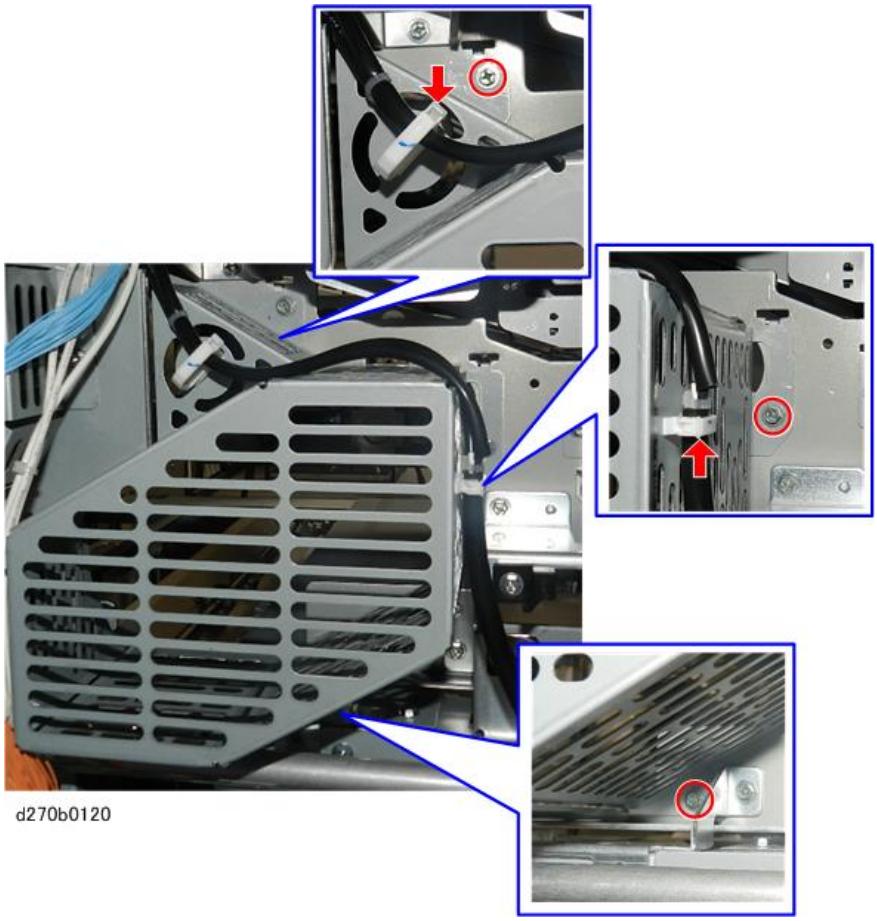
2. Lower the IOB (x8, x3, x4). (Lower the IOB)



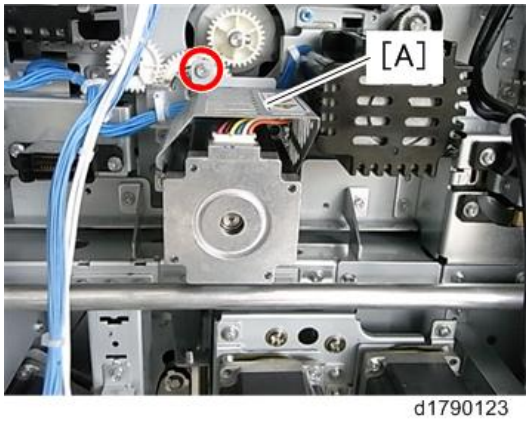
d270b3029

3. Remove the registration entrance motor bracket (Registration Entrance Motor)

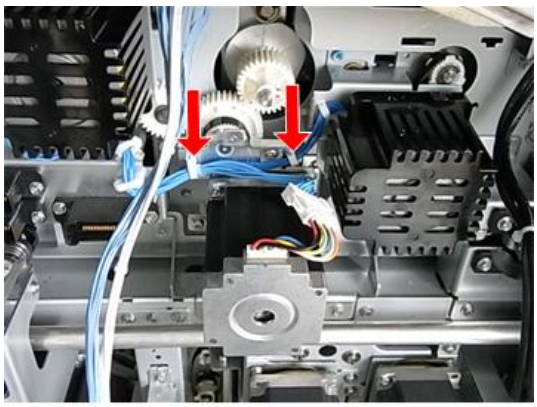
4. Remove the harness cage (x3, x2).



5. Remove the shield [A] (x1).

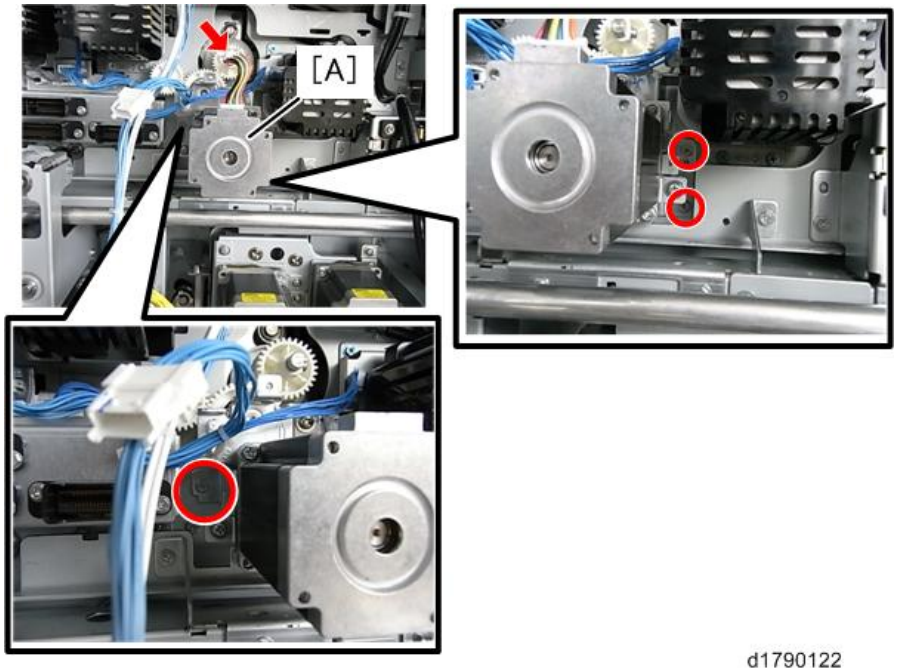


6. Disconnect the harness (x2).



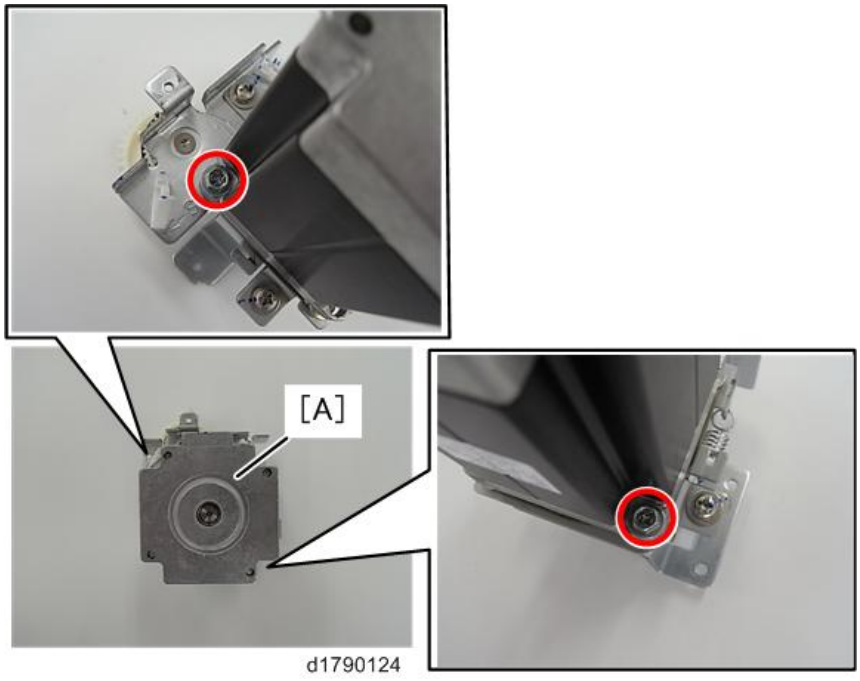
d1790121

7. Disconnect the bracket of the motor [A] (x3, x1)



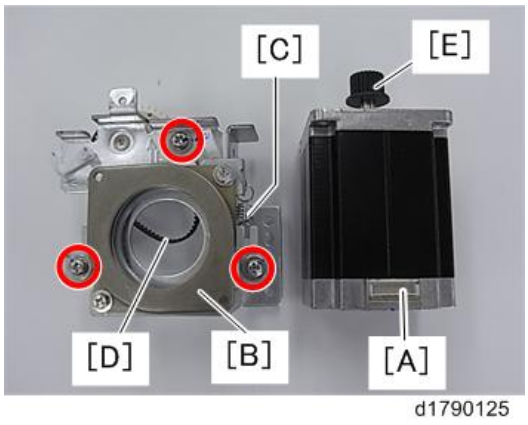
d1790122

8. Separate motor [A] and bracket (x2).



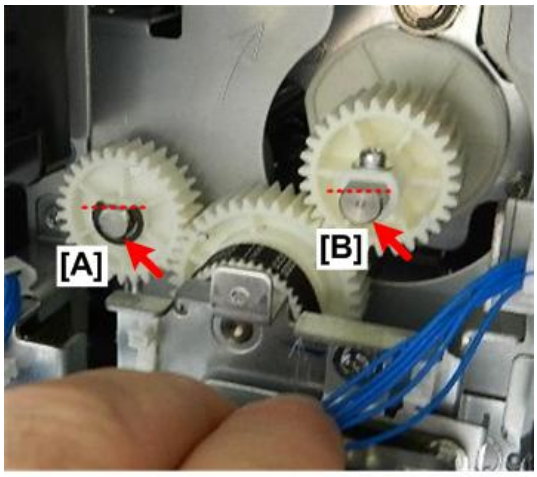
Re-installation

1. When re-assembling motor [A] and bracket [B], first loosen the three screws to release the tension on the spring [C].
2. Set the belt [D] and the motor gear [E], and then fasten the motor and bracket together (x2).



3. Tighten the three screws to restore tension on the belt.
4. Before you re-attach the motor, make sure that the flat sides [A] and [B] of both shafts are up and level with

one another.



d1803524

Important

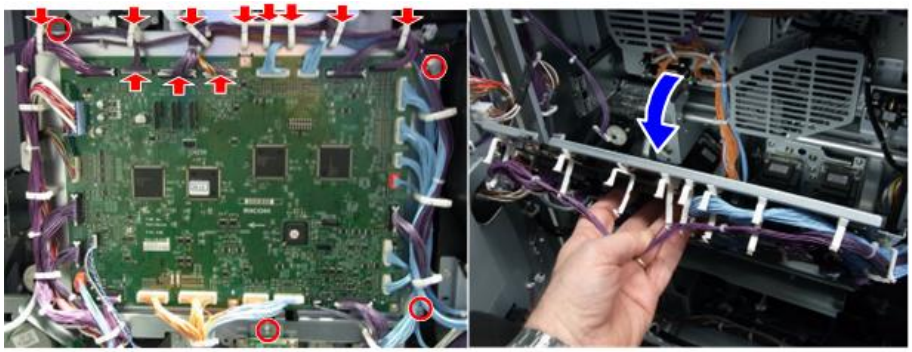
- You can turn either gear so the flat side is facing up. Make sure both flat sides are facing up after setting the motor.
- If these flat sides are not facing up and parallel, the gears will be out of alignment. This can cause paper jams in the registration unit.

Transfer Timing Motor

1. Open the controller box (Opening the Controller Box)

d270b2226

2. Lower the IOB (x8, x3, x4). (Lower the IOB)

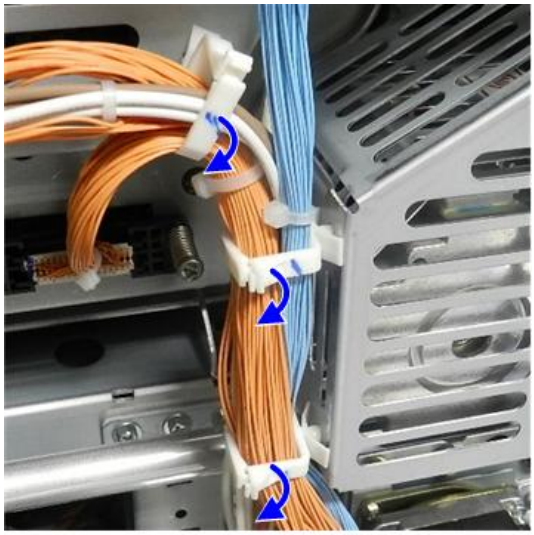


d270b3029

3. Free the harness on the right side of the motor cage (x1).

d270b4041

4. Free the harnesses on the left side of the motor cage (x3).

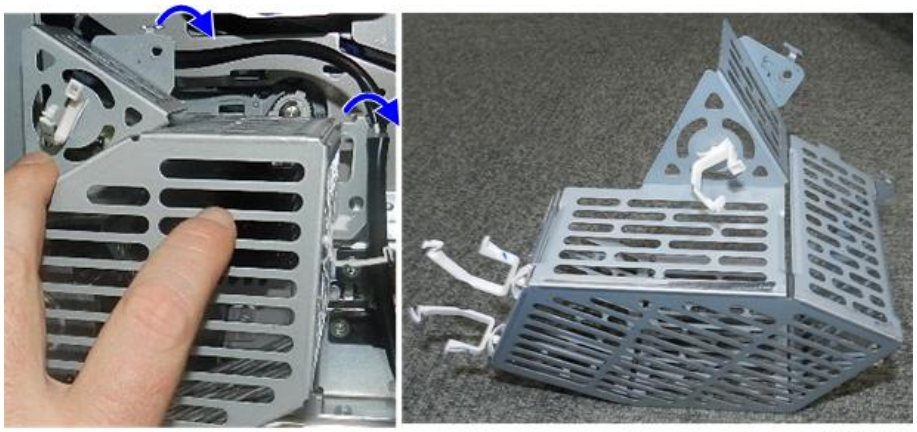


d270b4042

5. Free the harness at the upper left corner of the motor cage (x1).

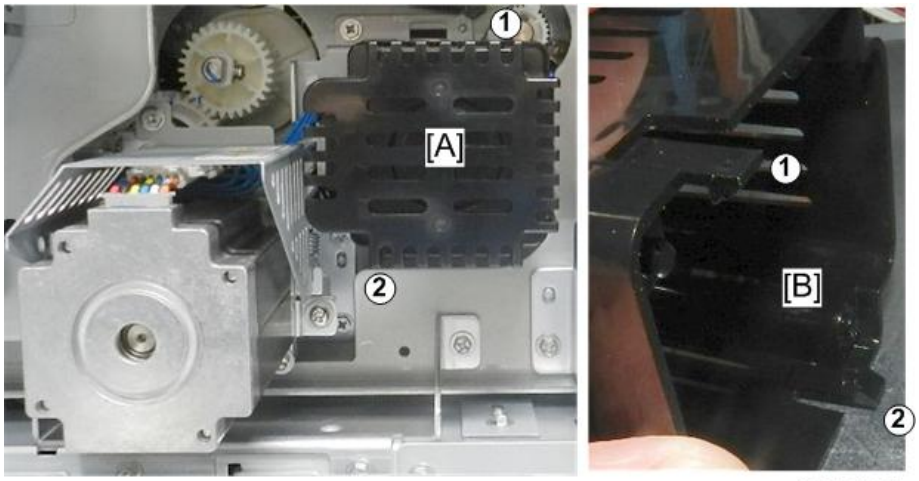
d270b4043

6. Unhook the top corners of the cage, and then remove it (x2).



d270b4044

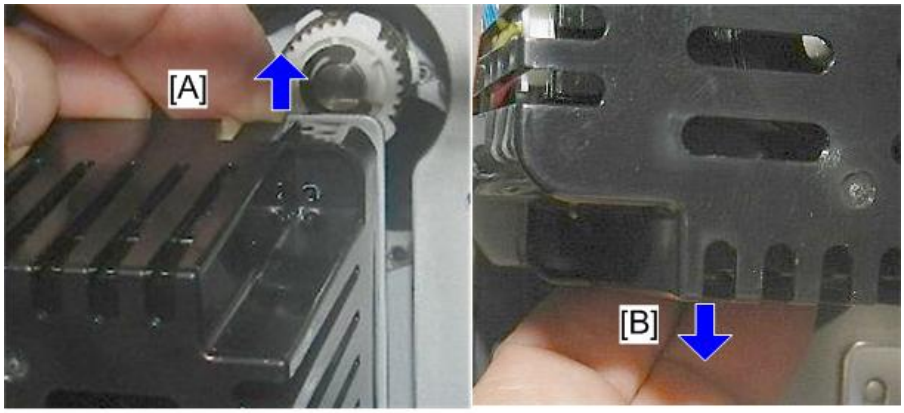
7. The plastic cage [A] on the transfer timing motor is attached by two pressure release tabs at opposite corners ① and ②. ([B] shows both tabs with the cage removed.)



d270b4045

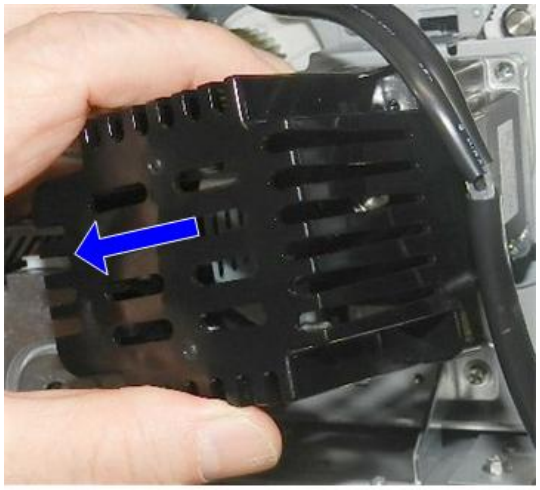
8. With the tip of a finger or a sharp tool, release the tab [A] at the upper right corner of the cage (x1).

9. Release the tab [B] at the lower left corner of the cage (▼x1).



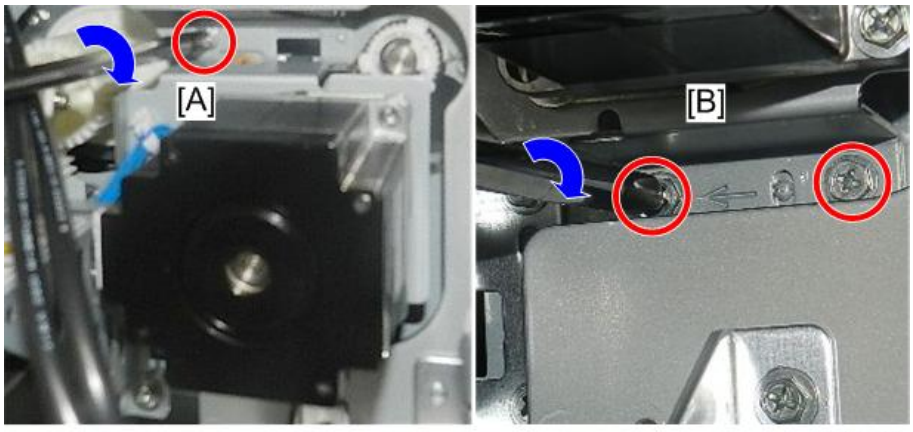
d270b4046

10. With the tabs released, pull the cage off the motor.



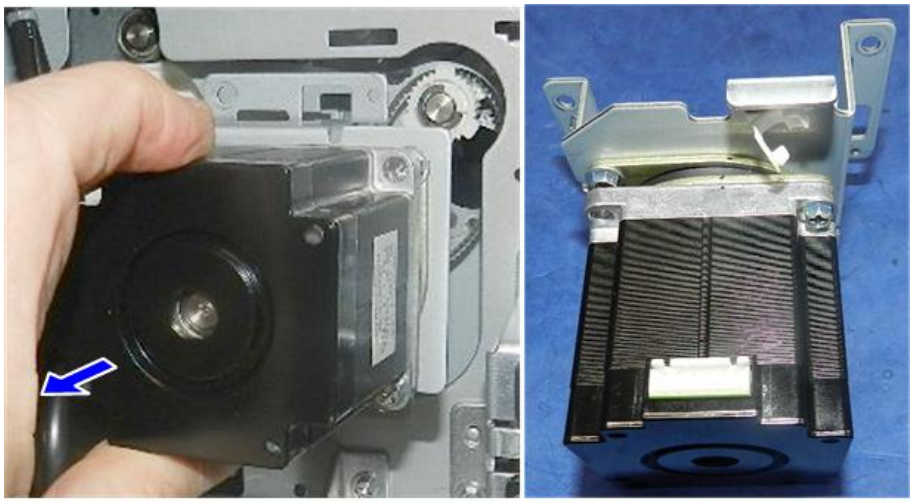
d270b4047

11. Unfasten the motor bracket (x3).



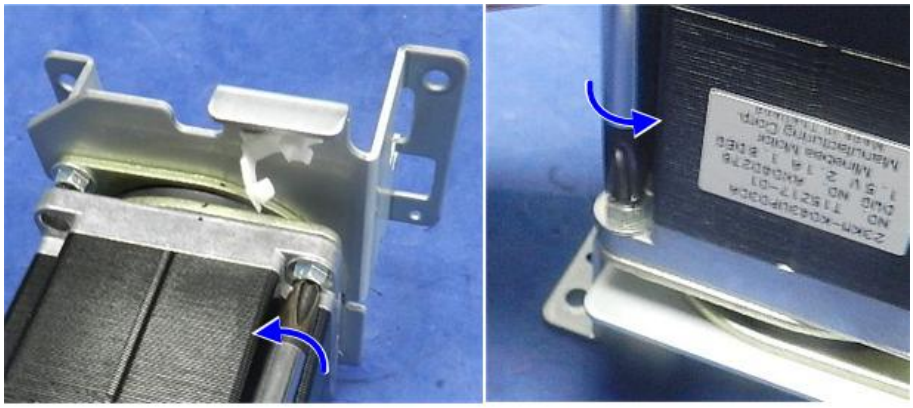
d270b4048

12. Remove the bracket with the motor attached.



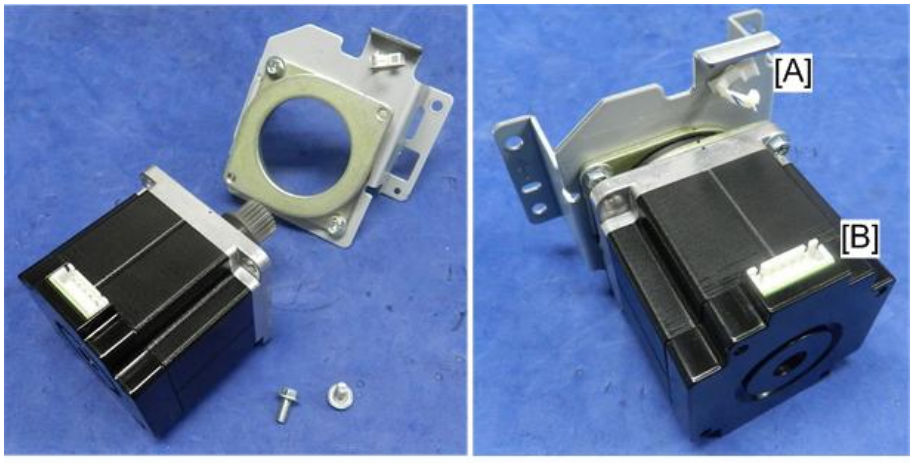
d270b4049

13. Unfasten the motor, and then separate motor and bracket. (x2).



d270b4050

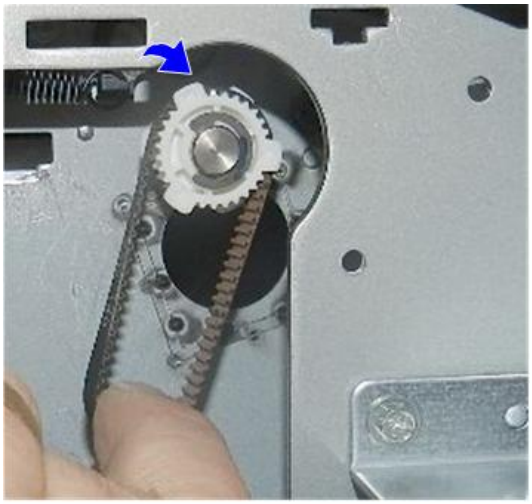
14. When you set the motor on the bracket, make sure that the clamp [A] and connector socket [B] are facing as shown below.



d270b4051

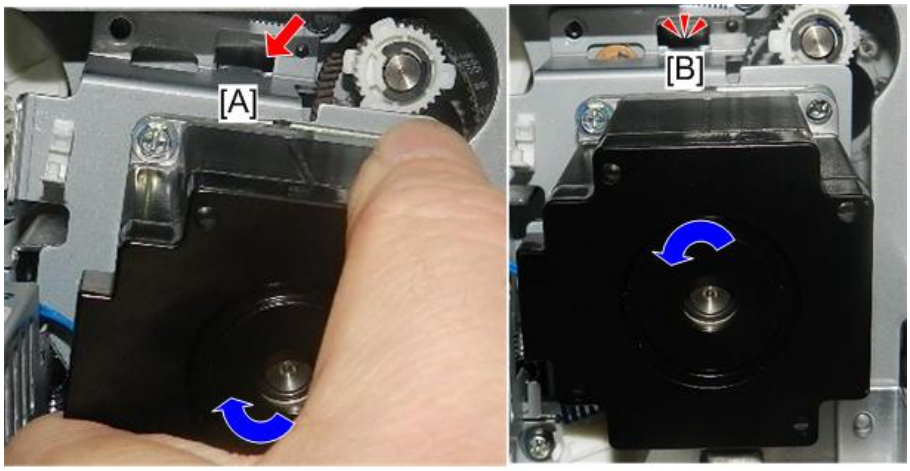
Re-installation

1. From the back of the machine, hang the drive belt on the motor drive gear.



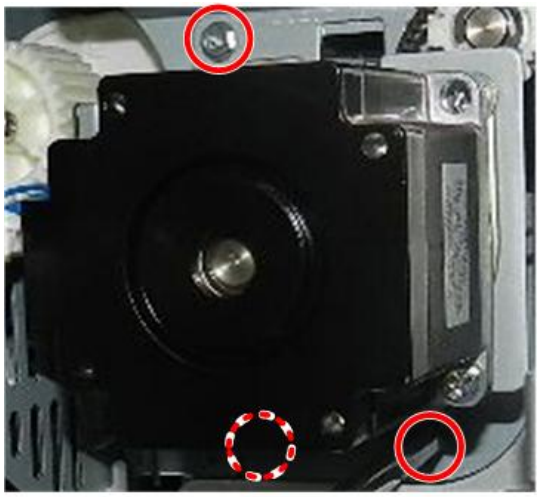
d270b4052

2. Hold the motor at a slight angle as shown, and then set the bracket tab [A] in its hole.
3. Twist the motor to the left, so that the tab [B] snaps into place.



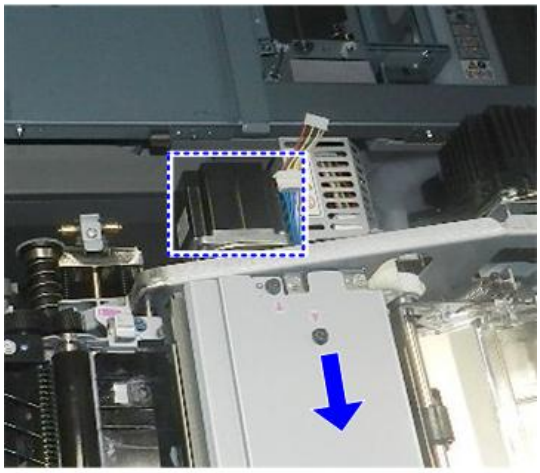
d270b4053

4. Fasten the bracket (x3).



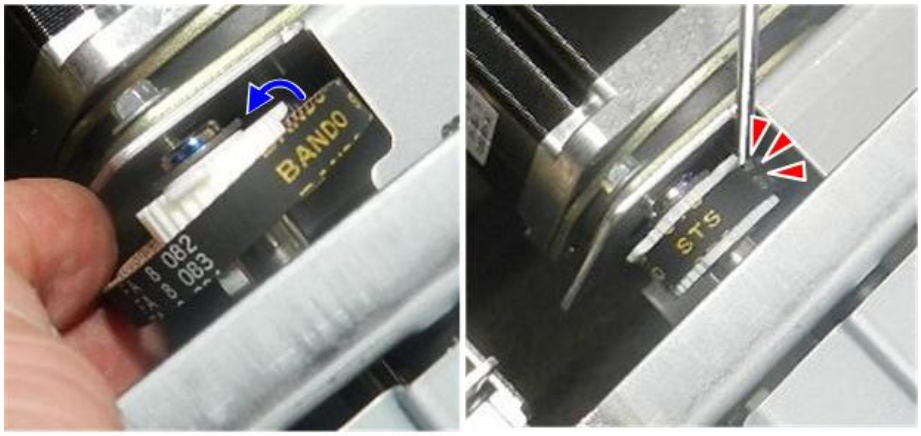
d270b4054

5. Open the front doors and pull the drawer out of the machine, so that you can see the transfer timing motor on the back of the registration unit.



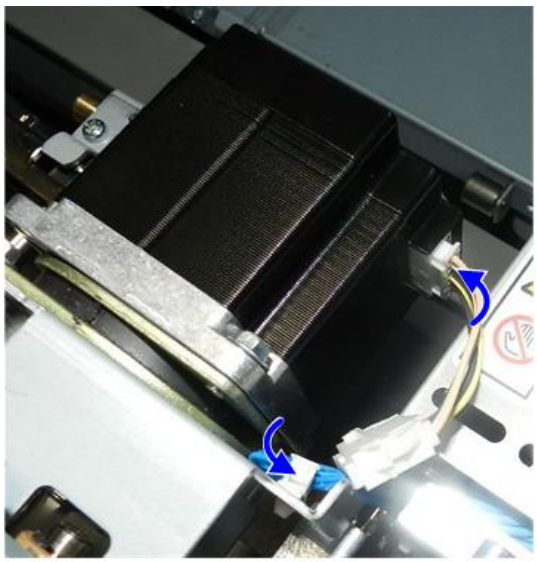
d270b4055

6. Set the drive belt.



d270b4056

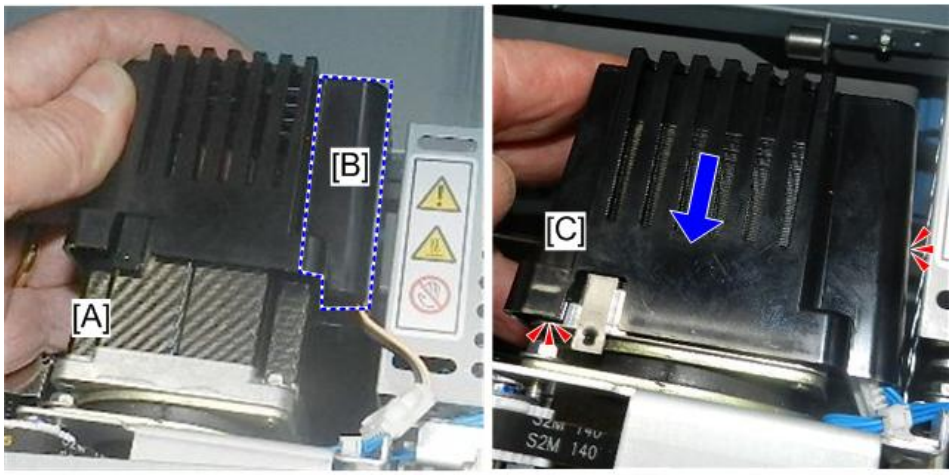
7. Connect the motor and clamp the harness (x1, x1).



d270b4057

8. Hold the plastic motor cage as shown, with the tab [A] on the left and the wide section [B] on the right.

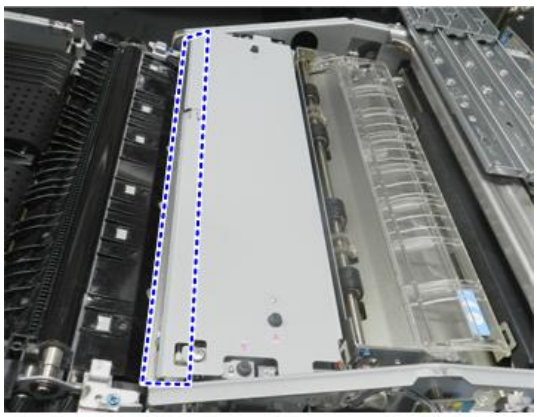
9. Slide the cage [C] to the front, and make sure that the tabs at the upper left and lower right corners snap into place.



d270b4058

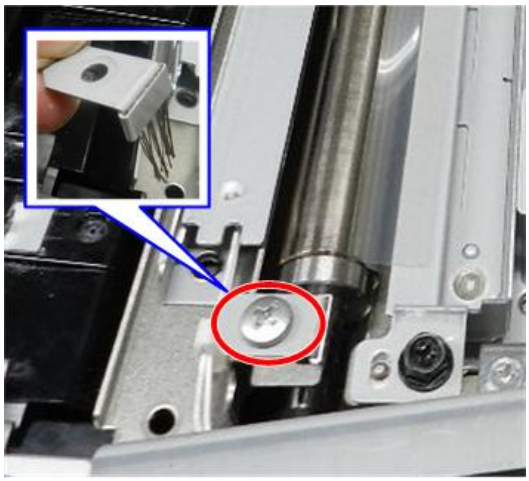
Transfer Timing Rollers

1. Open the front doors, and then pull out the drawer.
2. The transfer timing rollers are under the plate and transfer timing sensor bracket at the left edge of the registration unit.



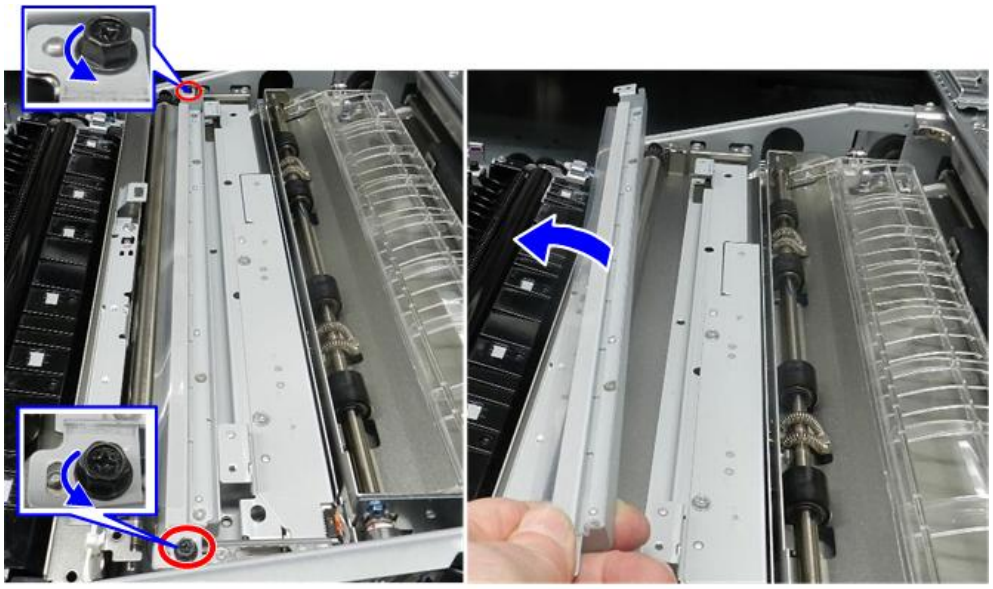
d270b4059

3. At the front corner of the registration unit, remove the anti-static brush (x1).



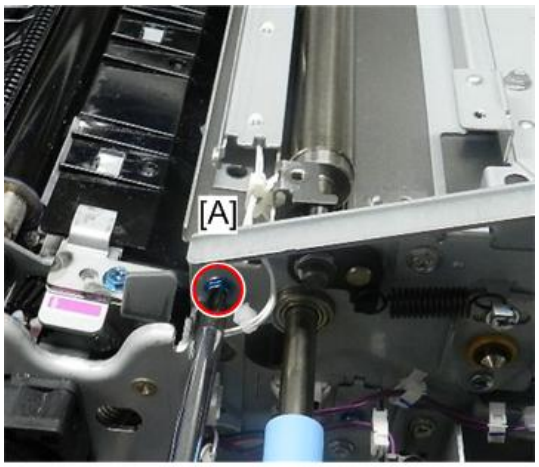
d270b4060

4. Remove the dust tray (x2).



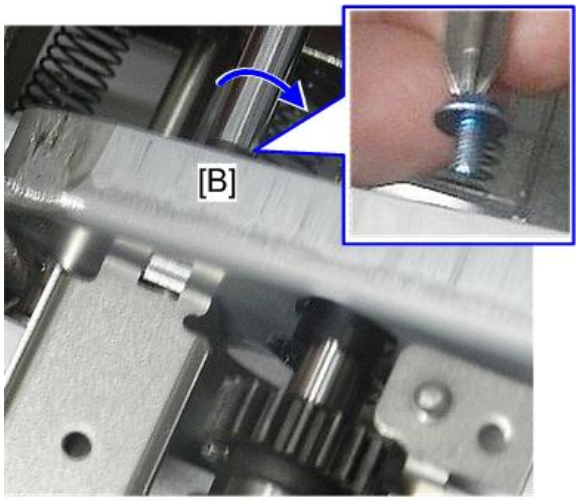
d270b4061

5. Unfasten the front end of the transfer timing sensor bracket [A] (x1).



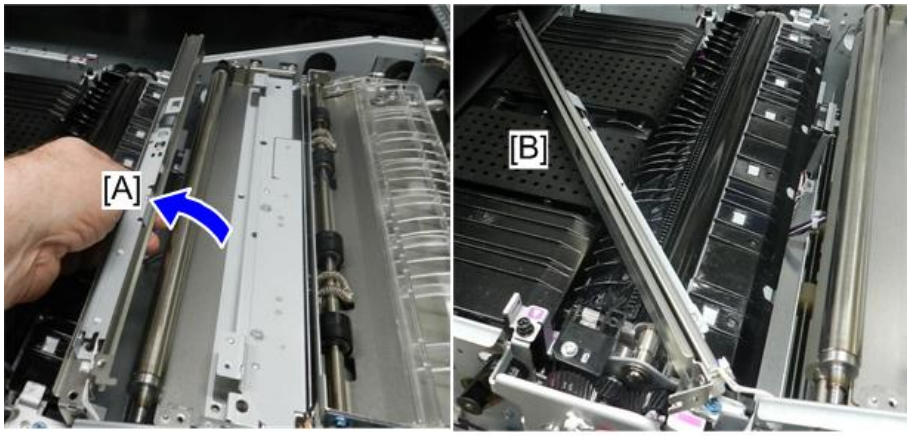
d270b4062

6. Unfasten the back end of the bracket [B] (x1)



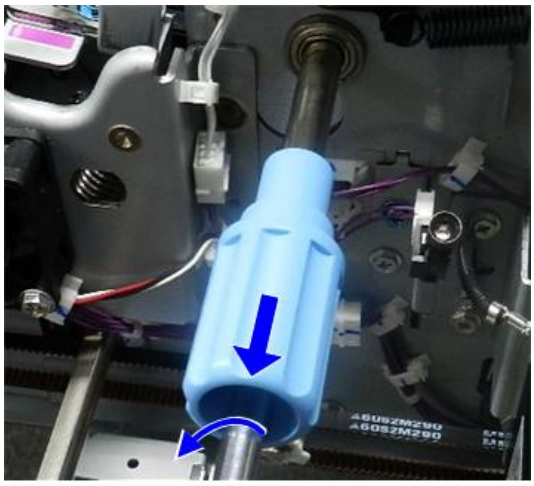
d270b4063

7. Pull the bracket [A] away from the unit, and then lay it across the paper transfer belts [B]. You do not need to disconnect the sensor.



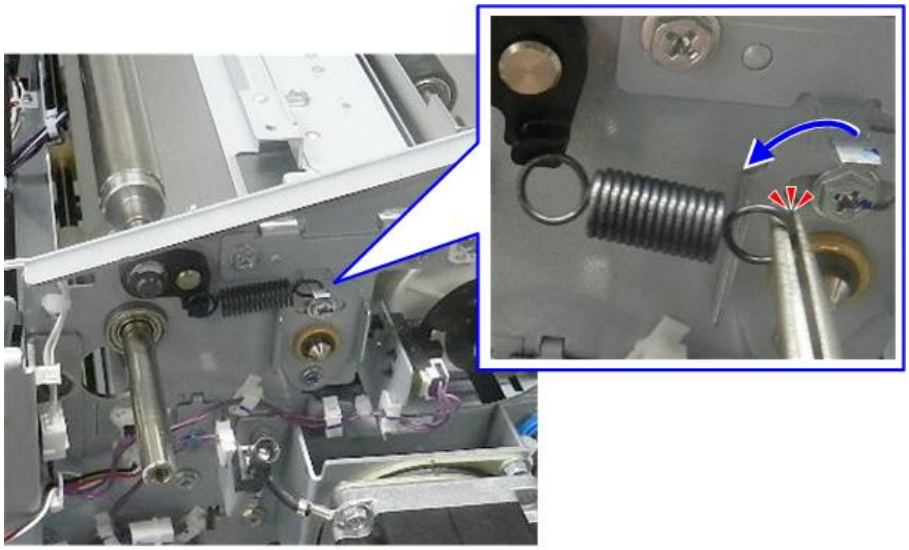
d270b4064

8. Remove the knob on the end of the roller (x1).



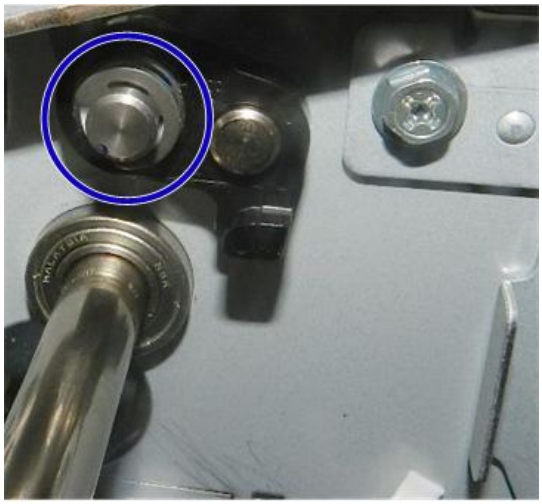
d270b4065

9. At the front end of the upper roller, remove the spring (x1).



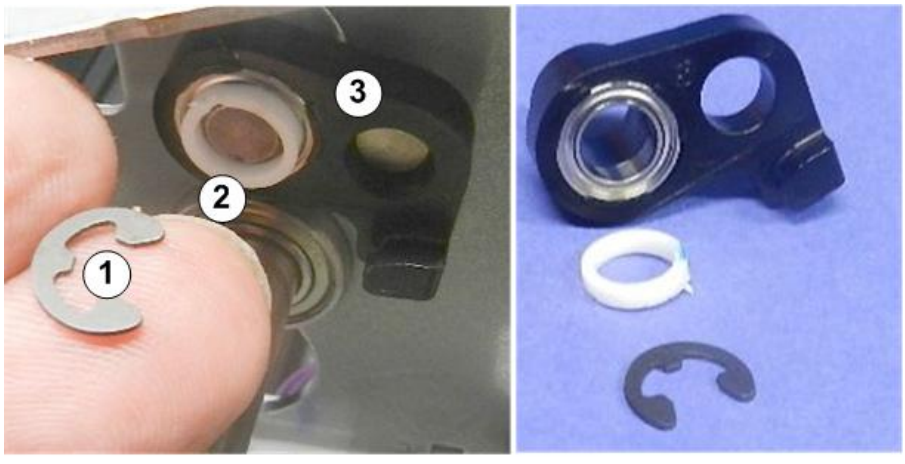
d270b4066

10. Locate the e-ring on the front end of the upper transfer timing roller.



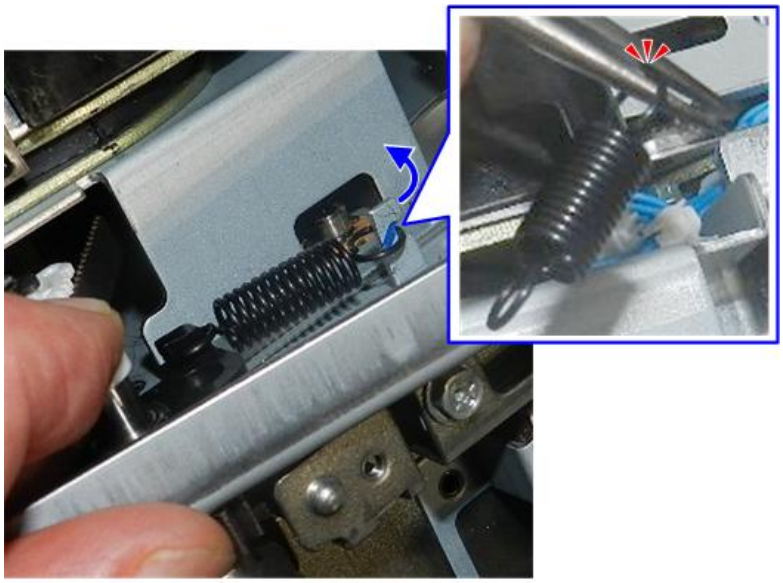
d270b4067

11. Remove the e-ring ①, white spacer ②, and lock arm ③.



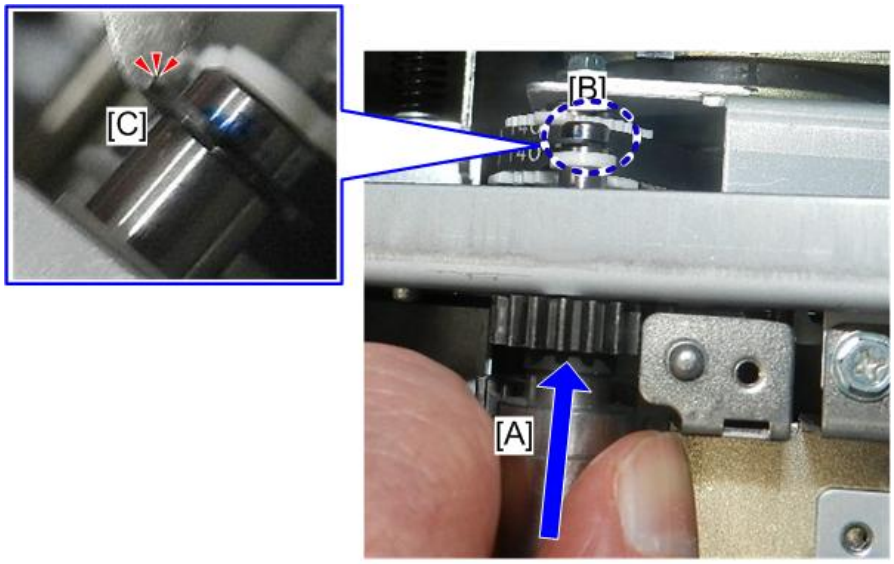
d270b4068

12. At the back end of the upper roller, remove the spring (x1) from the end of the roller.



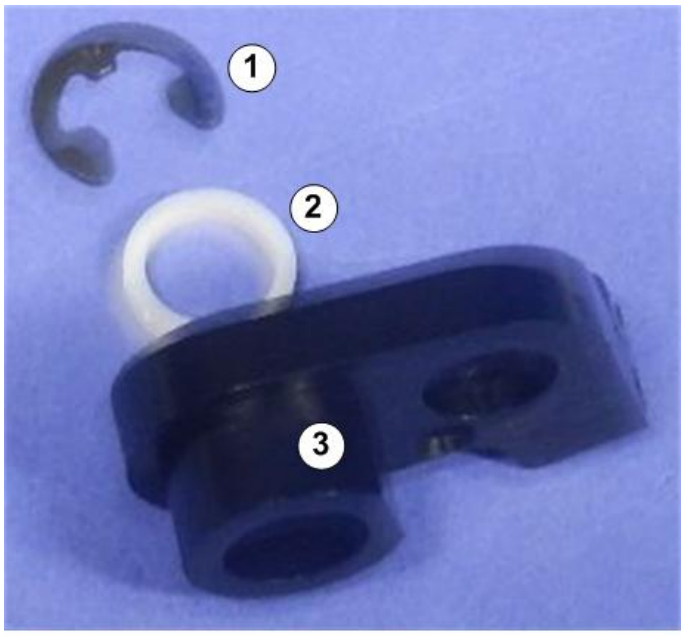
d270b4069

13. Push the upper roller [A] to the rear until it stops, so that you can see the e-ring on the end of the roller [B].
14. Disconnect the e-ring [C] (x1).



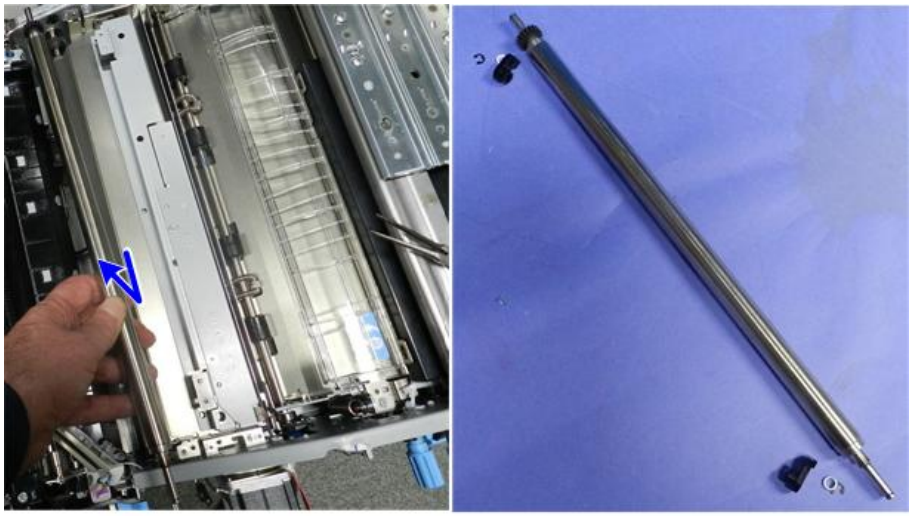
d270b4070

15. Slowly, remove the e-ring ①, white spacer ②, and lock arm ③ from the end of the roller.



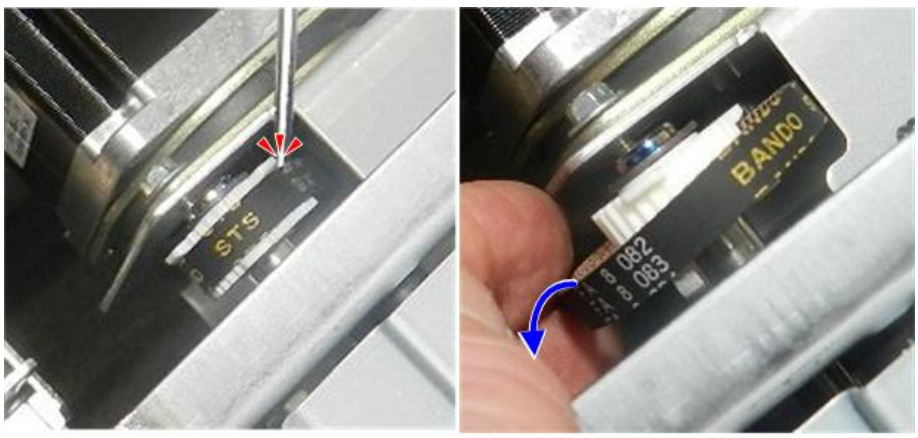
d270b4071

16. Slide the roller slightly to the front, to the rear again, and then remove it.



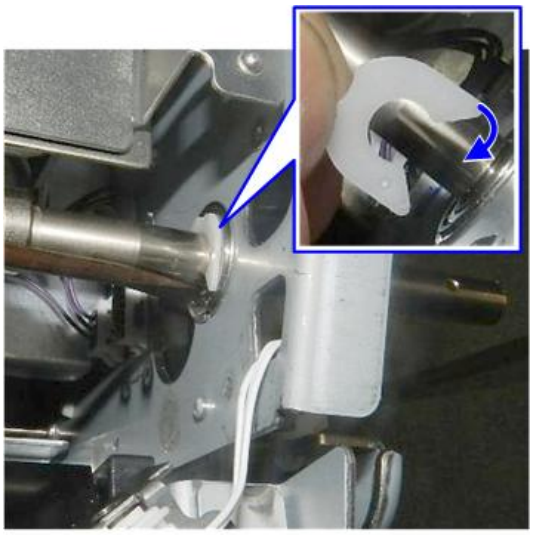
d270b4072

17. Remove the drive belt (✎x1).



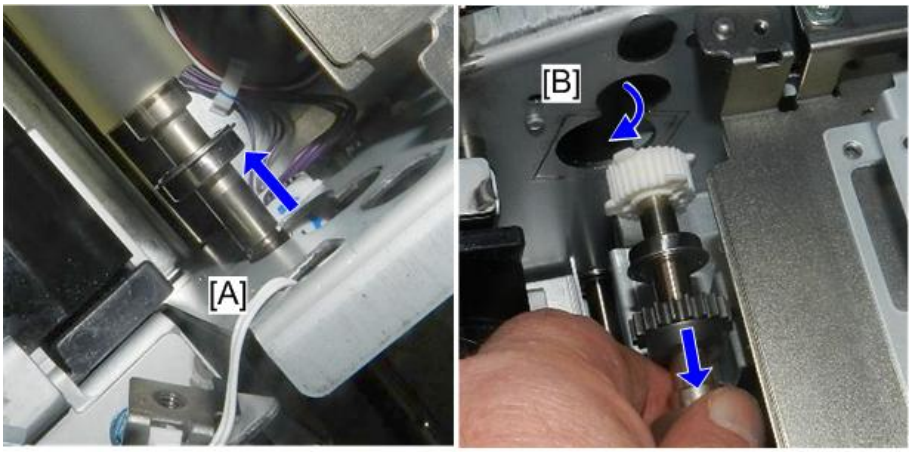
d270b4073

18. At the front, remove the snap ring from the lower roller (x1).



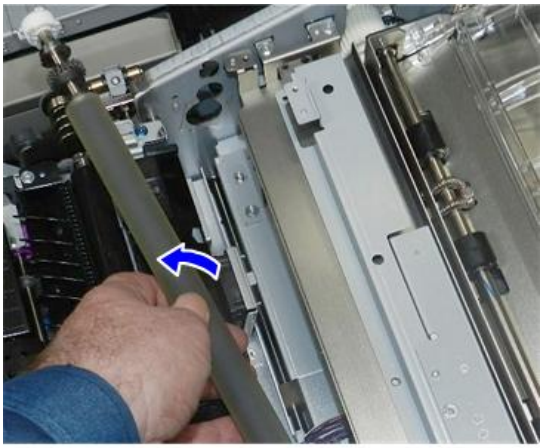
d270b4074

19. At the front, slide the bearing [A] out of the frame.
20. At the rear, slide the end of the roller [B] out of the frame.



d270b4075

21. Remove the lower roller.



d270b4076

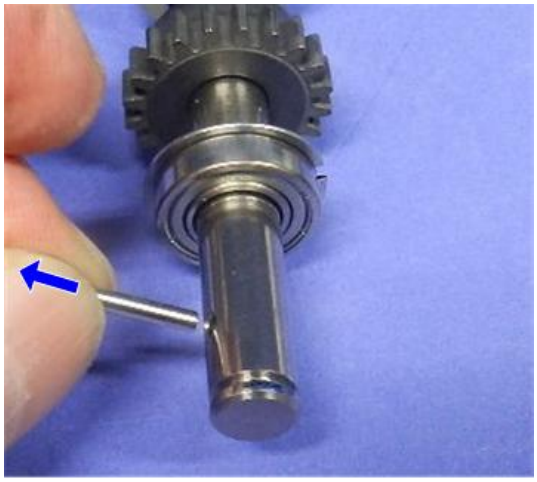
22. Remove the bearing from the front end of the roller.

d270b4077

23. Remove the drive gear from the back end of the roller (x1).

d270b4078

24. Remove the lock pin.



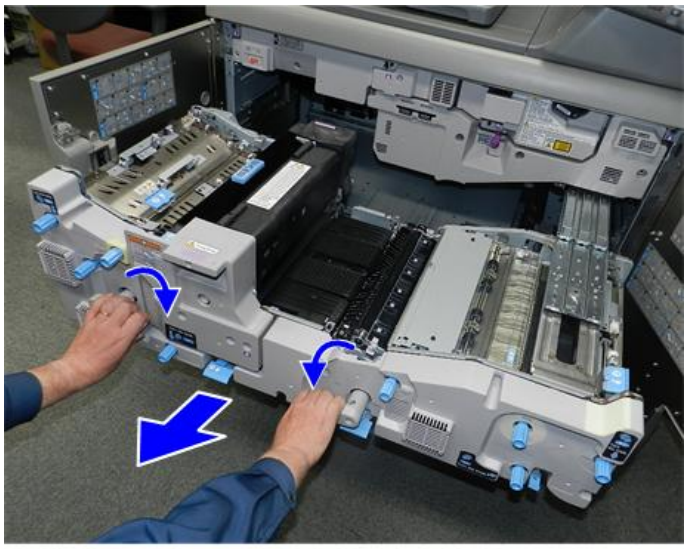
d270b4079

25. Clean the rollers with a damp cloth before you re-install them or replace them.

d270b4080

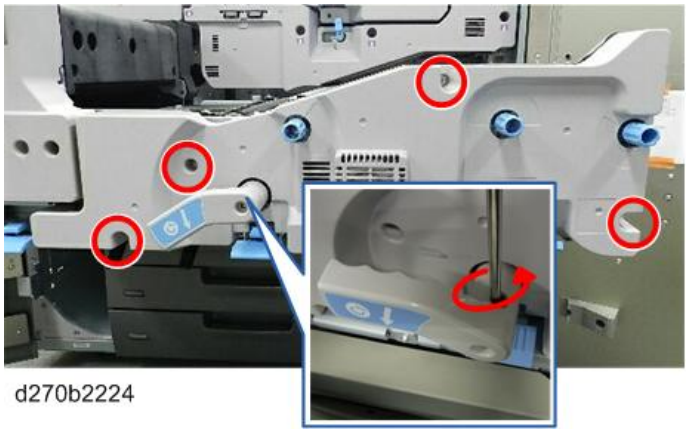
Main Relay Motor

1. Open the front doors, and then pull out the drawer.

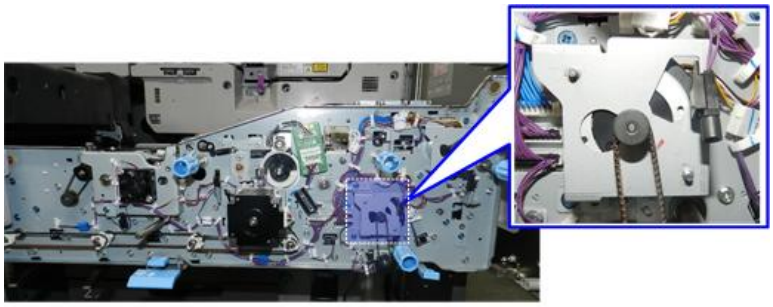


d270b2213

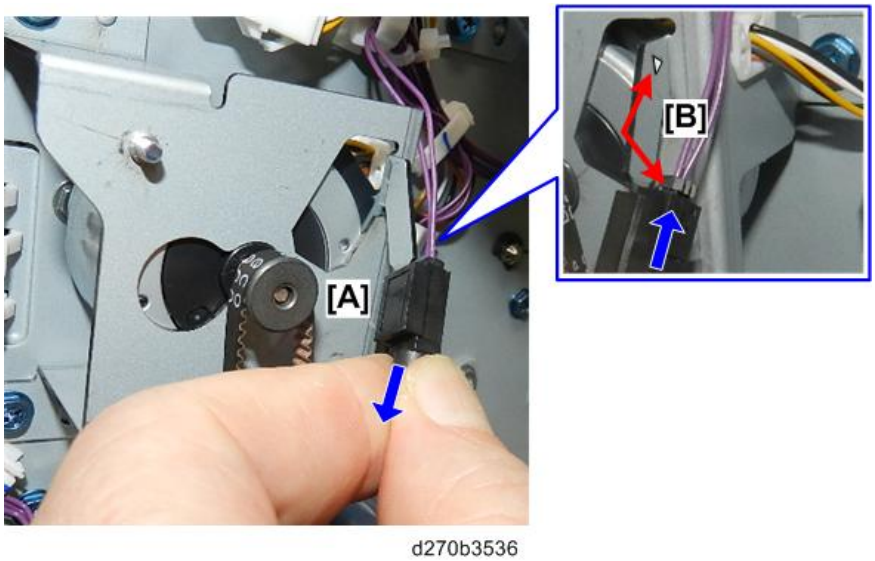
2. Remove the drawer right cover (x5).



3. The main relay motor is on the front, right side of the drawer.

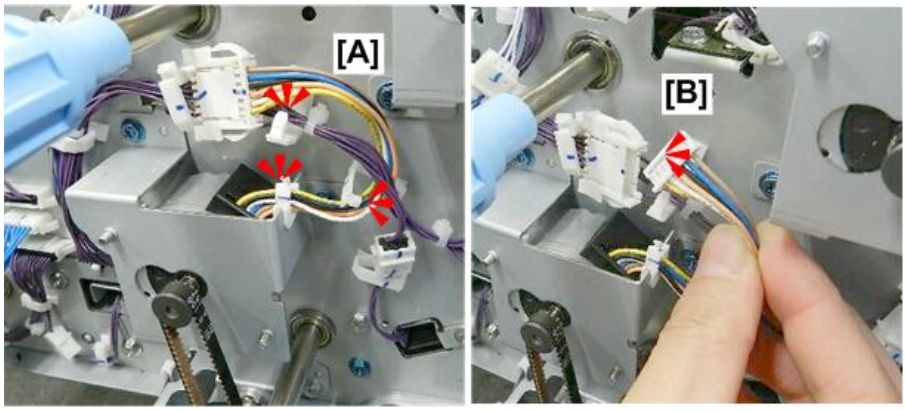


4. First, slide the jam LED [A] off its post and let it hang free. Do not disconnect it.
5. When you re-attach the LED, make sure that the harness and embossed triangle [B] are on the same side.



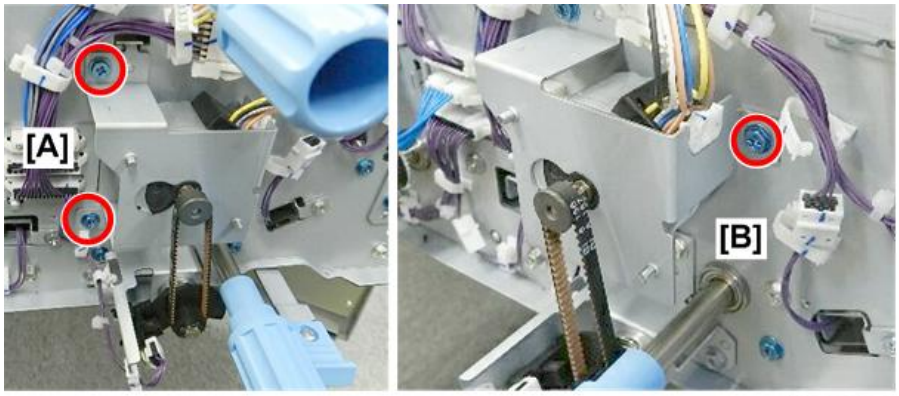
6. Free the harness [A] (x3).

7. Disconnect the motor [B] (x1).



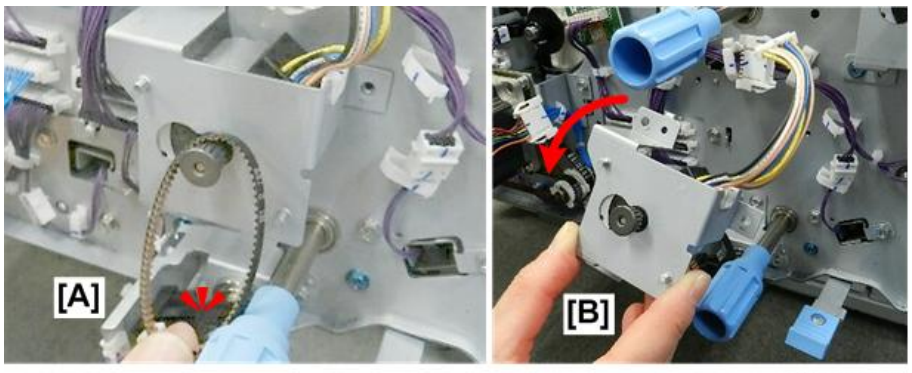
d1793536

8. Disconnect the motor bracket:
   [A] Left (x2)
   [B] Right (x1)



d1793537

9. Remove the belt [A] (x1).
10. Remove the motor [B].



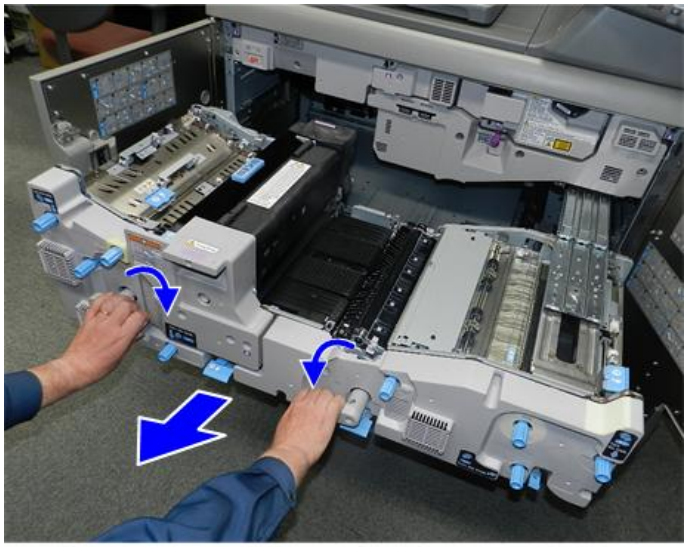
d1793538

11. Separate the motor from the bracket (x2).

d1793539

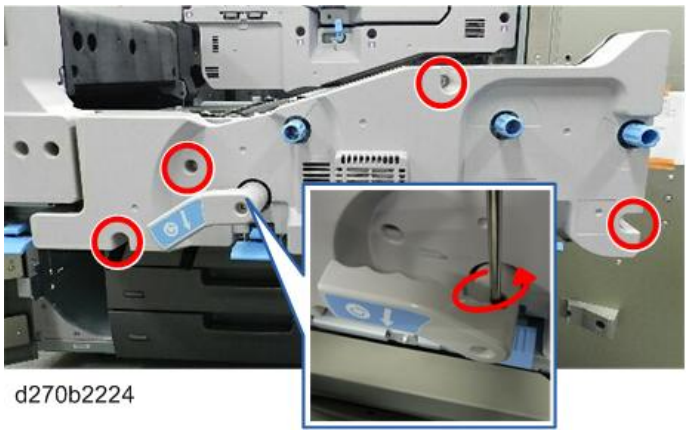
LCIT Relay Motor

1. Open the front doors and pull out the drawer.



d270b2213

2. Remove the drawer right cover (x5).

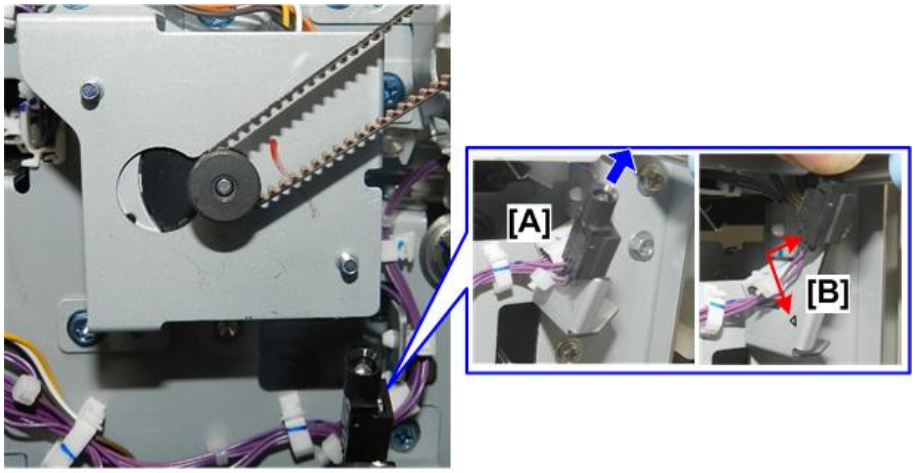


d270b2224

3. The LCIT relay motor is at the upper right cover of the drawer front.

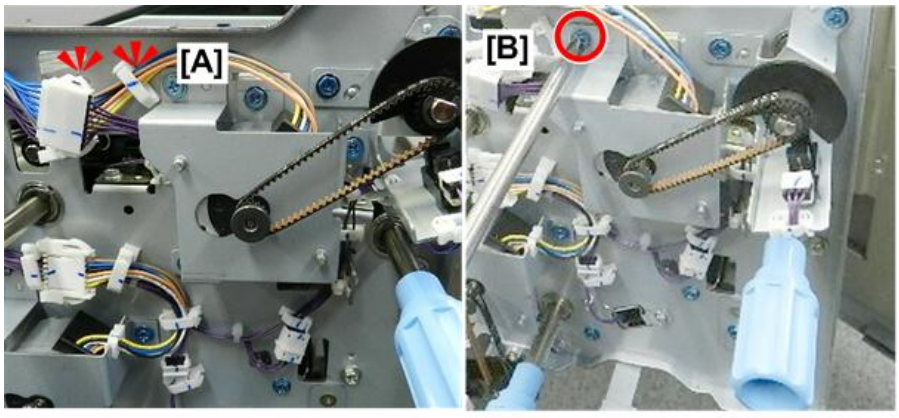
d270b3547

4. First, slide the jam LED [A] off its post and let it hang free. Do not disconnect it.
5. When you re-attach the LED, make sure that the harness and embossed triangle [B] are on the same side.



d270b3548

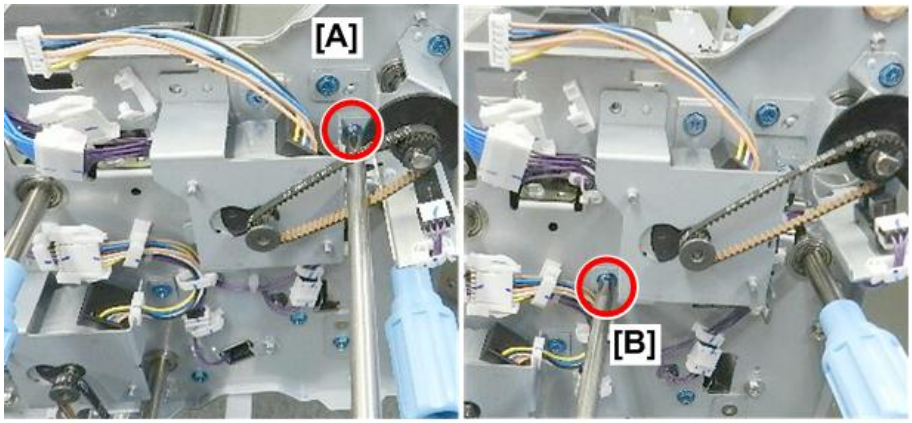
6. Disconnect:
   [A] Harness (x1, x1)
   [B] Bracket top (x1)



d1793548

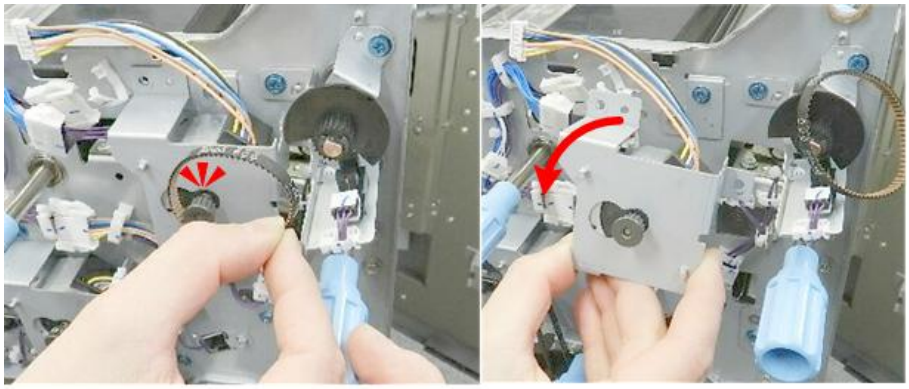
7. Disconnect:
   [A] Motor bracket right (x1)

[B] Motor bracket left (x1)



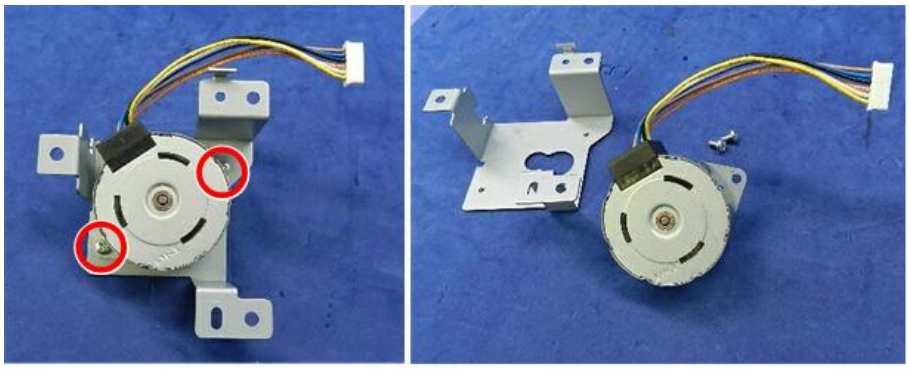
d1793549

8. Disconnect the belt and remove the motor (x1).



d1793550

9. Separate the motor from the bracket (x2).

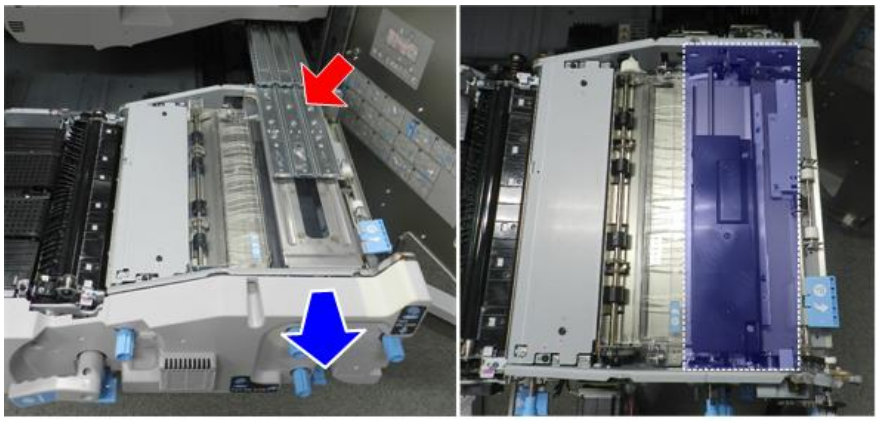


d1793551

LE Shift Unit Motor, CIS Fan

1. Open the controller box (Opening the Controller Box)
2. Remove the transfer timing motor (Transfer Timing Motor)
3. Pull out the front drawer, and then remove the right front cover of the drawer. (Drawer Right Cover)

4. Disconnect the support rails, and then remove the rail base. (Support Rails)

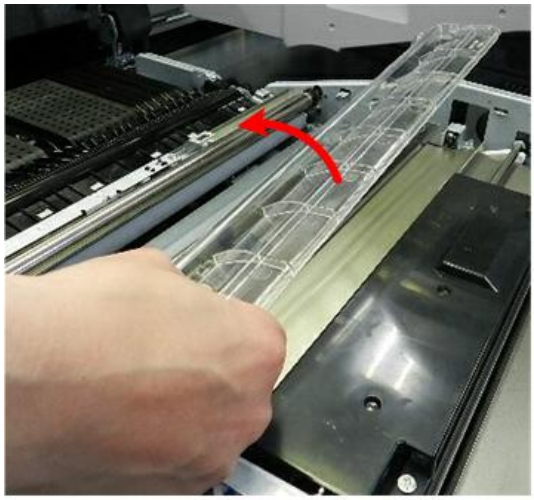


d270b3552

①	CIS Fan
②	LE Shift Unit Motor

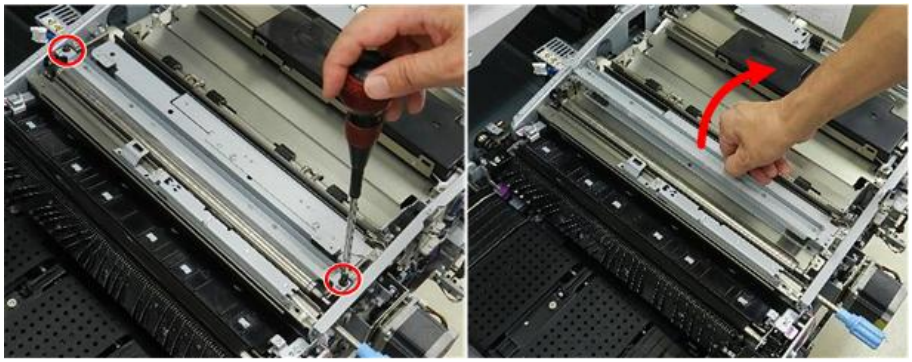
d1793588

5. The motor and fan are on the left. Several parts must be removed in order to access these components.
6. Remove the plastic cover.



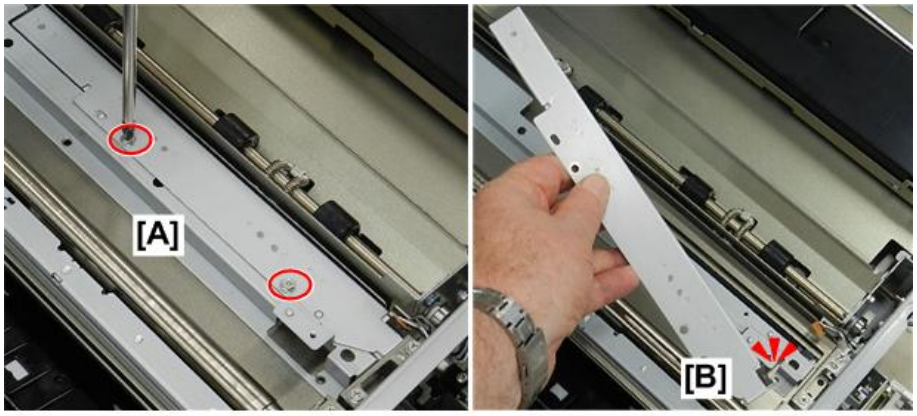
d1793594

7. Remove the paper dust tray (x2).



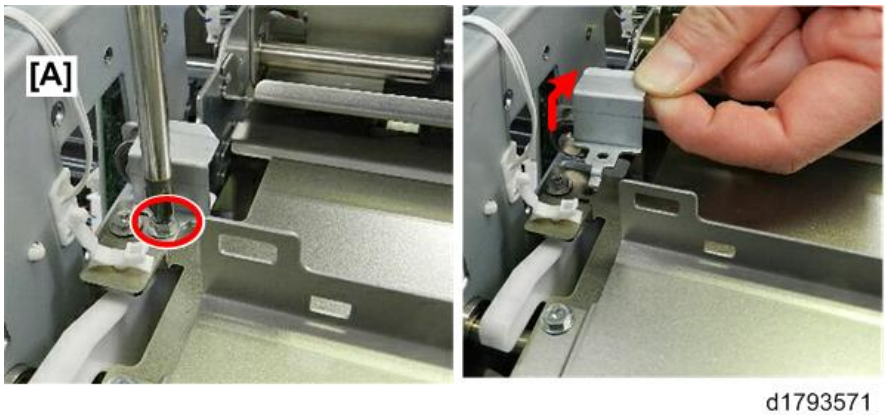
d1803532

8. Remove the CIS bracket screws [A] (x2).
9. Disconnect and remove the CIS bracket [B] (x1).



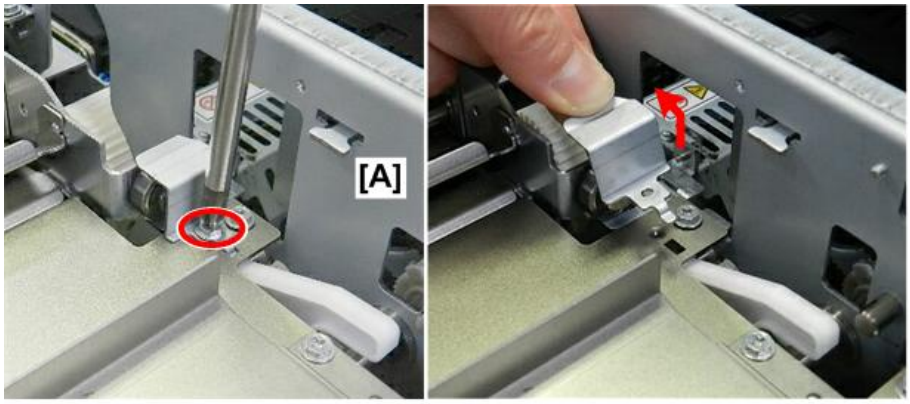
d1803533

10. Remove the front lock plate [A] (x1).



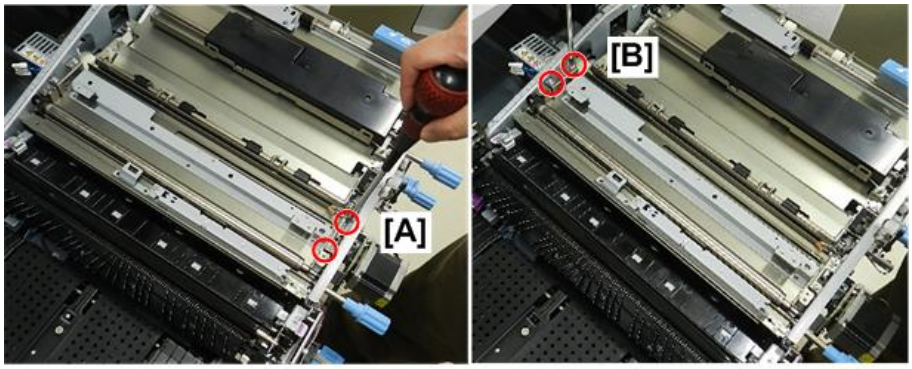
d1793571

11. Remove the rear lock plate [A] (x1).



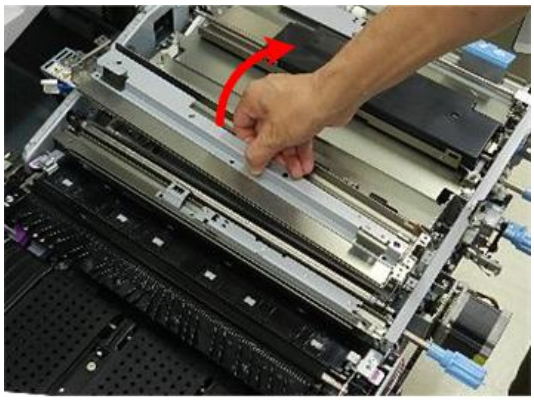
d1793572

12. Disconnect the shift cover at the front [A] (x2).
13. Disconnect it at the rear [B] (x2).



d1803534

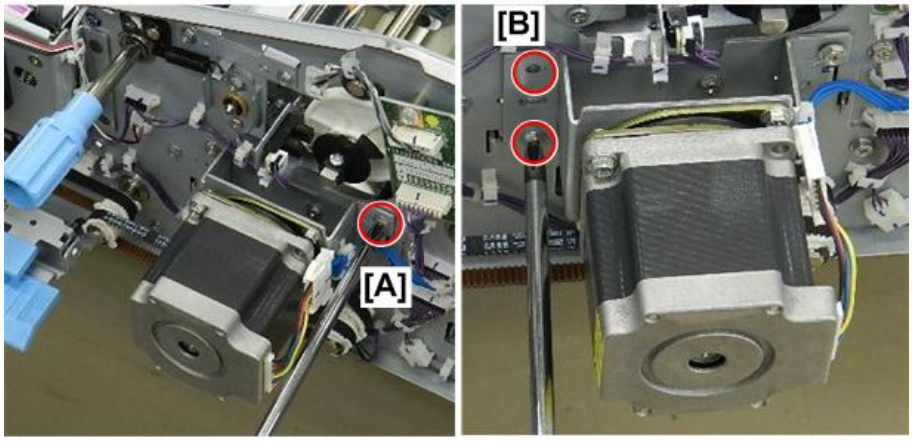
14. Remove the cover.



d1803535

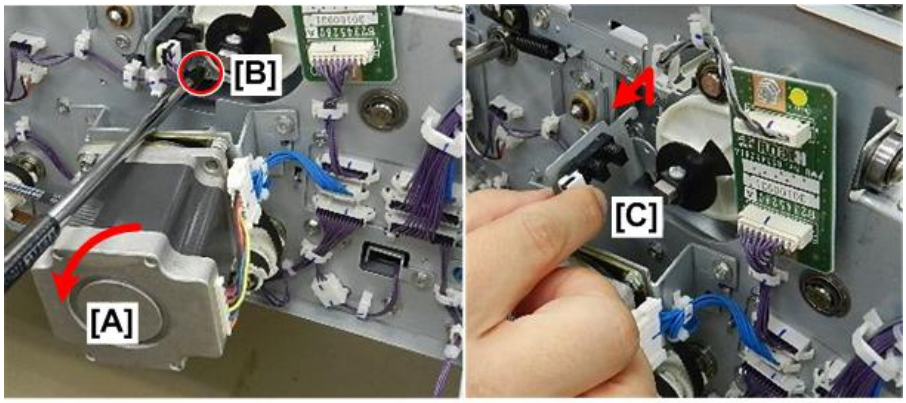
15. Loosen the screw [A] (do not remove) of duplex transport motor 2.

16. On the left side of the same bracket [B], remove both screws (x2).



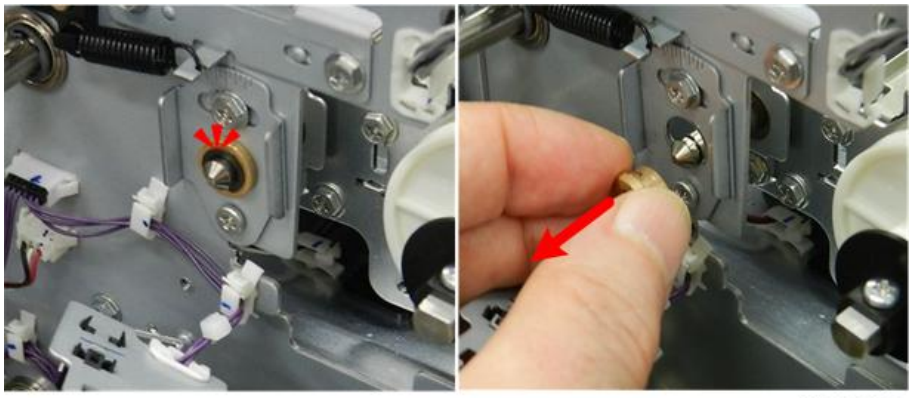
d1803536

17. Pull the motor [A] down slightly, and then remove the sensor bracket screw [B] (x1).
18. Pull out the sensor bracket [C]. (This is the registration gate roller HP sensor.)



d1803537

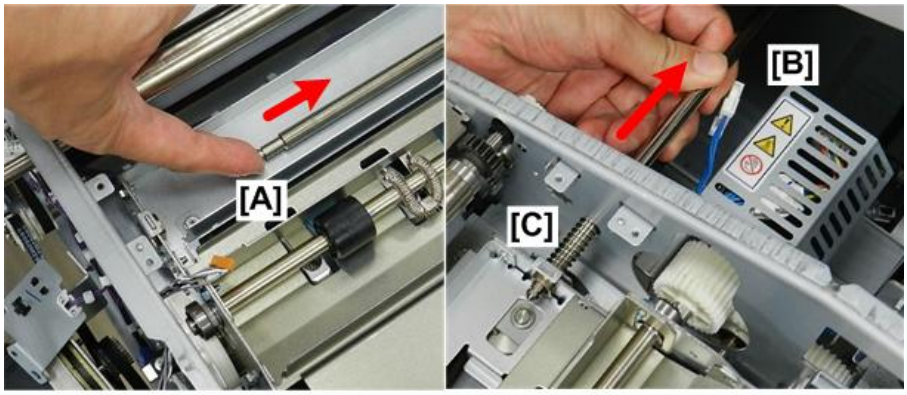
19. Disconnect the front end of the shaft (x1, x1).



d1803538

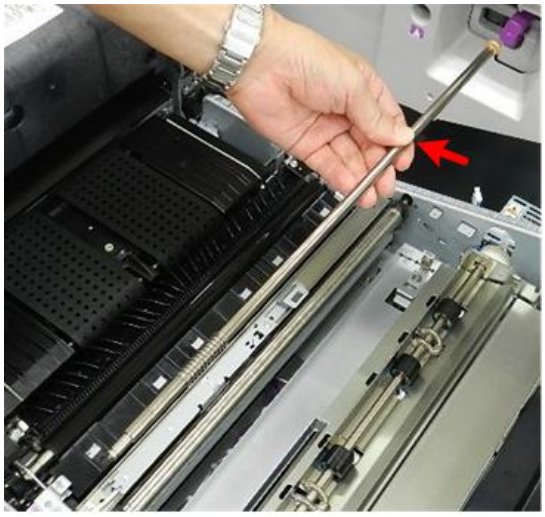
20. Push the front end of the shaft [A] to the rear.

21. Pull out the shaft [B] and remove the spring [C].



d1803539

22. Remove the shaft.

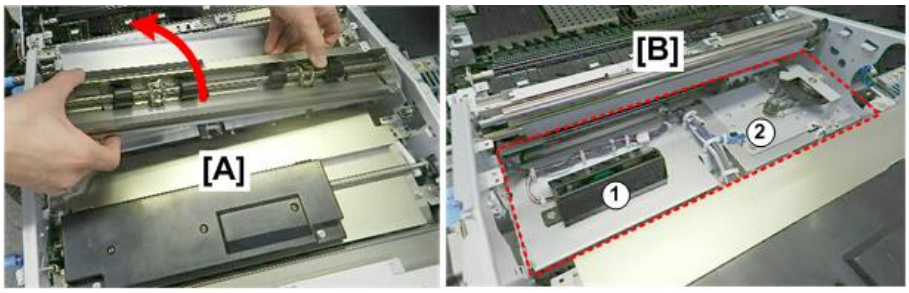


d1803540

23. Next, remove the LE shift unit [A].

Note

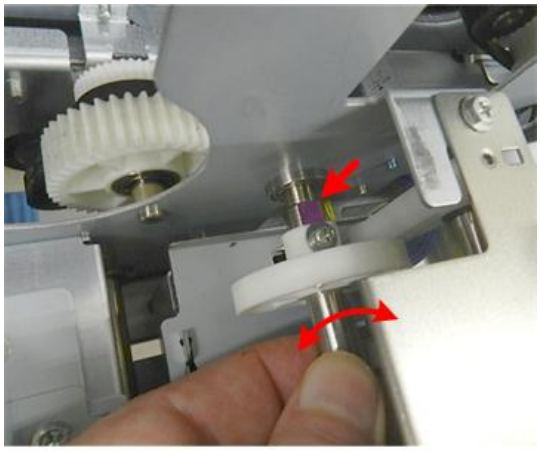
- The area below [B] is now clear, so you can see the CIS fan ① and the LE shift unit motor ②.



d1793651

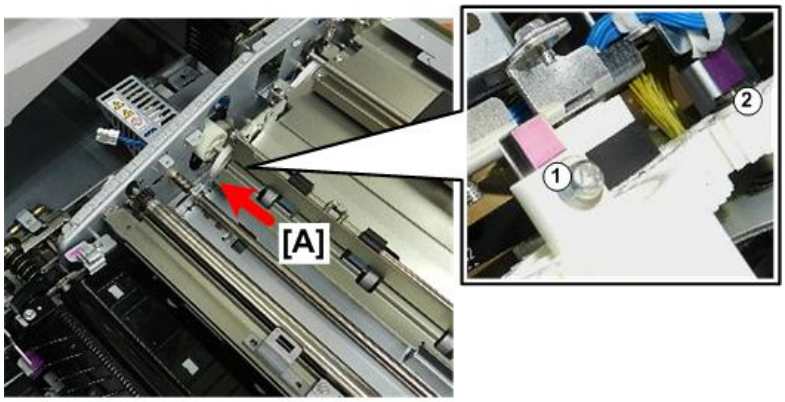
Re-installation

1. Before you re-install the shift unit, turn the cam shaft on the right until its flat edge is facing up and level.



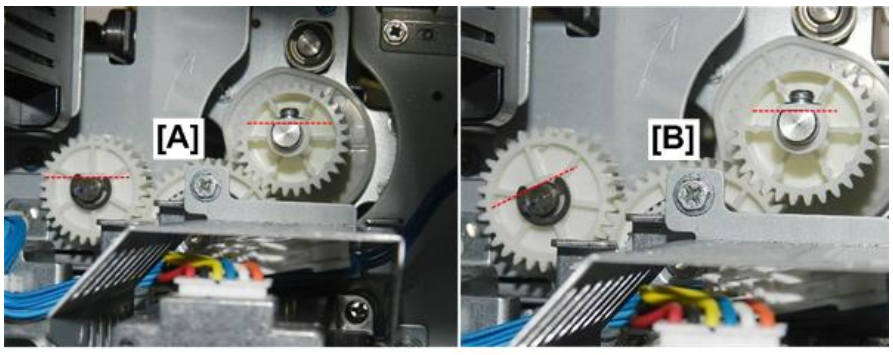
d1803541

2. Turn the shift unit gear so the flat end of its shaft ① is facing up and parallel with the end of the flat end of the cam shaft ②.
3. Slowly, set the shift unit [A] with the flat side of the shaft facing up.



d1803542

4. Slowly, push in the front drawer until it stops.
5. At the back of the machine, check the positions of the shaft ends.
6. If the flat sides of the shaft ends are facing up and parallel [A], they are positioned correctly.
7. If one or both are not aligned correctly [B], one or both must be adjusted.

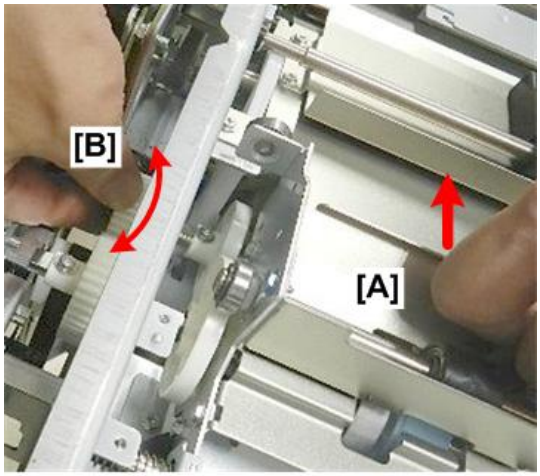


d1803543

Important

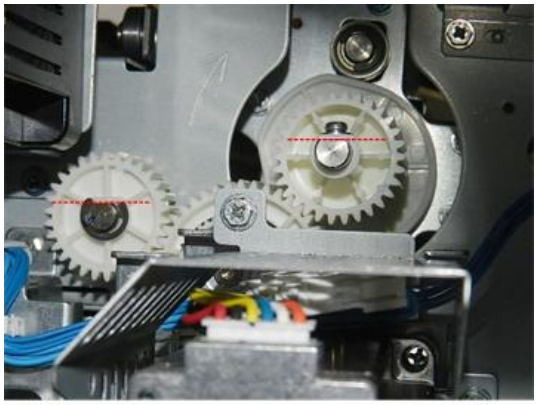
- The flat sides of both of these shafts must face up and be parallel [A].
- If either or both are even slightly out of position, this will cause paper jams in the registration unit.

8. Pull out the front drawer again until it stops.
9. If you need to adjust the positions of the shaft ends, lift the shift unit [A] up slightly, and then turn the gears [B] until they are up and level.



d1803544

10. Slowly, push in the front drawer until it stops.
11. At the back of the machine, check the positions of the shaft ends and make sure the flat sides are facing up and parallel.



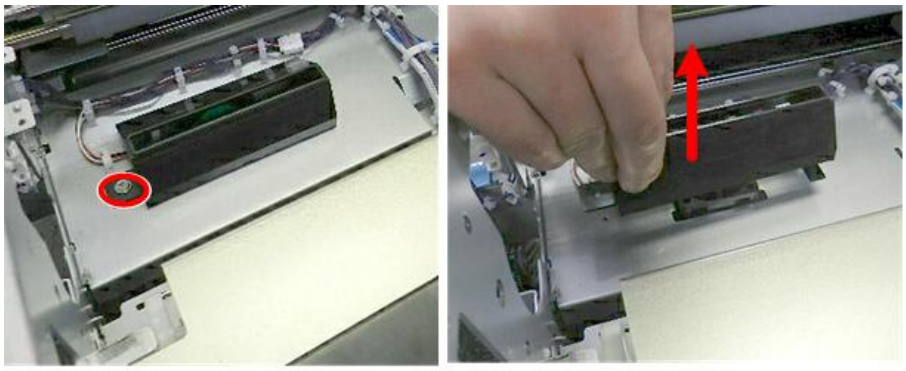
d1803545

12. Pull the drawer out again until it stops.
13. Re-install the removed shaft.
14. After re-installation of the shaft, once again push the drawer into the machine and then check the positions of the shaft ends to make sure that they have not slipped out of alignment.
15. Re-install the transfer timing motor, and then finish the re-installation.

CIS Fan

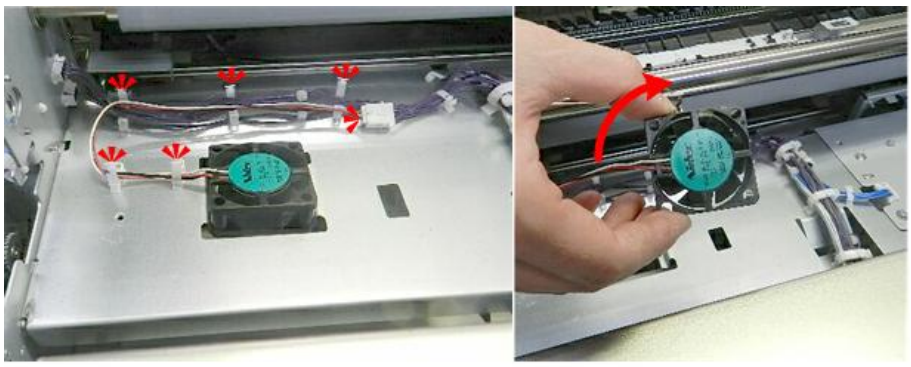
1. Remove the LE shift unit (LE Shift Unit Motor, CIS Fan)

2. Remove the sensor cover (x1).



d1793652

3. Remove the fan (x5, x1).



d1793653

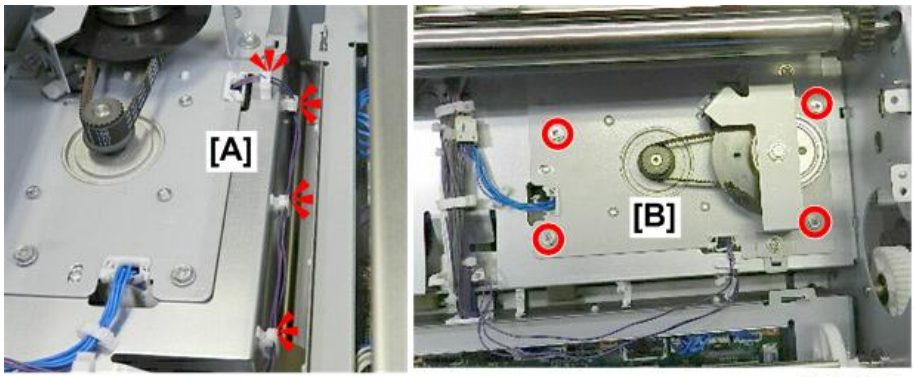
4. Lay the fan on a flat clean surface.

d1793654

LE Shift Unit Motor, LE Shift Unit HP Sensor

1. Remove the LE shift unit (LE Shift Unit Motor, CIS Fan)
2. Free the motor harness [A] (x4).

3. Disconnect the motor bracket [B] (x4).

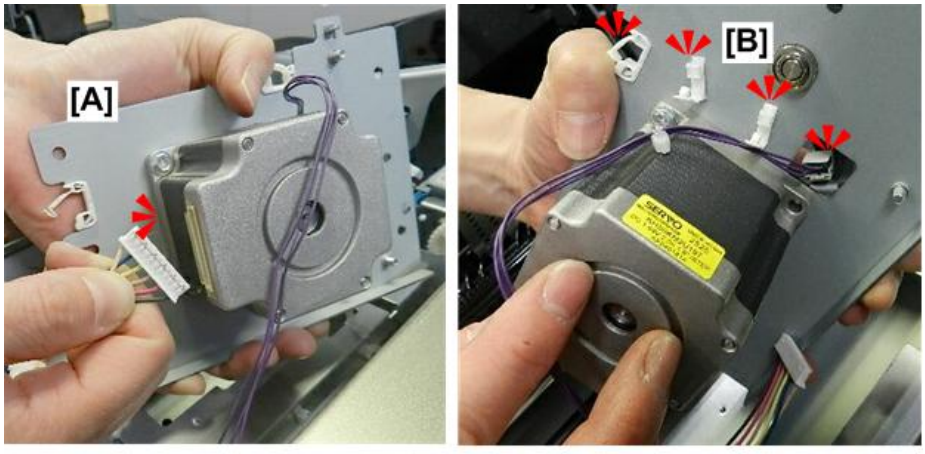


d1793655

4. Pull out the motor bracket (with motor attached) a short distance (the motor and sensor are still connected).

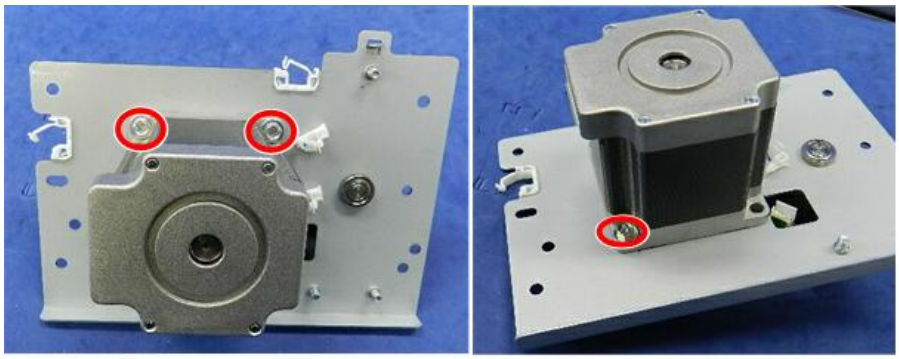
d1793656

5. Disconnect the motor [A] (x1).
6. Disconnect the sensor harness [B] (x3, x1).



d1793657

7. Disconnect motor and bracket (x3).

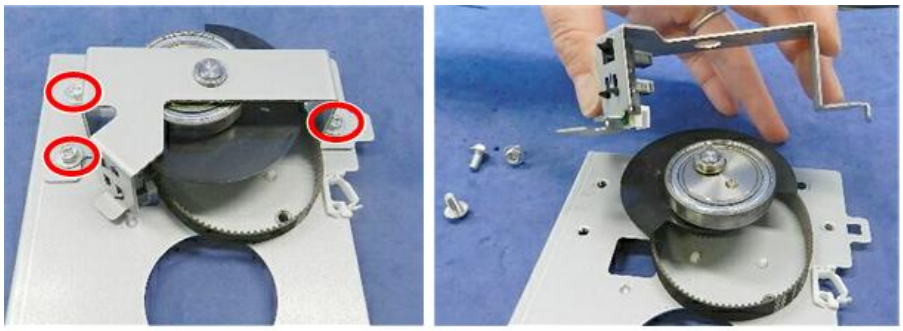


d1793658

8. Separate motor and bracket.

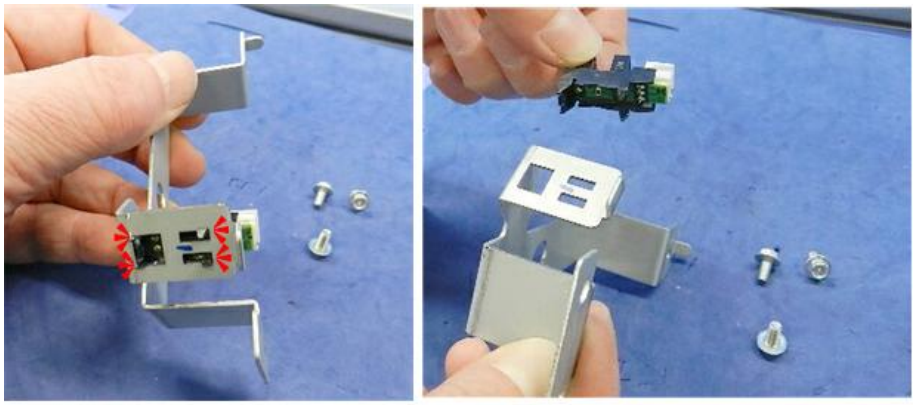
d1793659

9. Remove the sensor bracket (x3).



d1793660

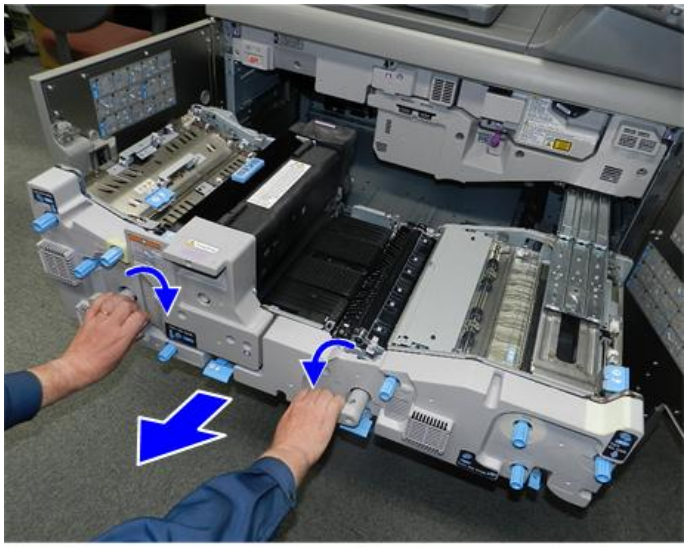
10. Separate the sensor from the bracket.



d1793661

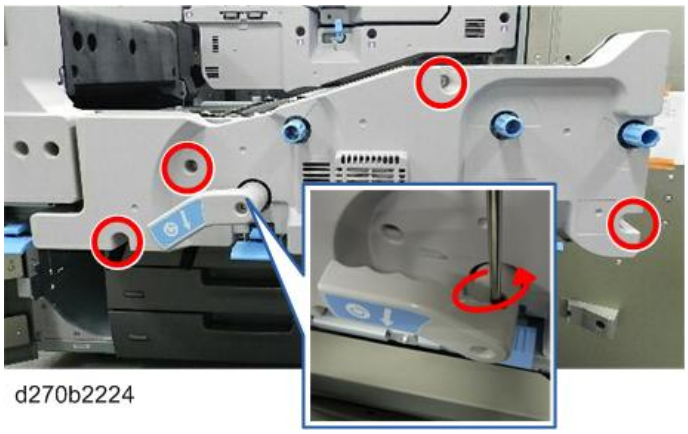
Main Relay HP Sensor

1. Pull out the drawer.



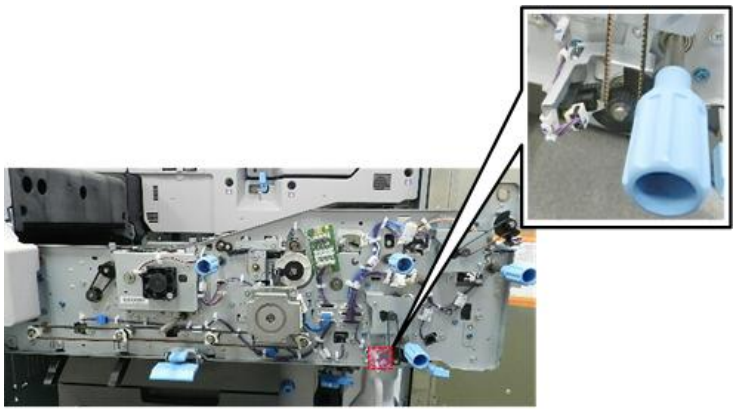
d270b2213

2. Remove the drawer right cover (x5).



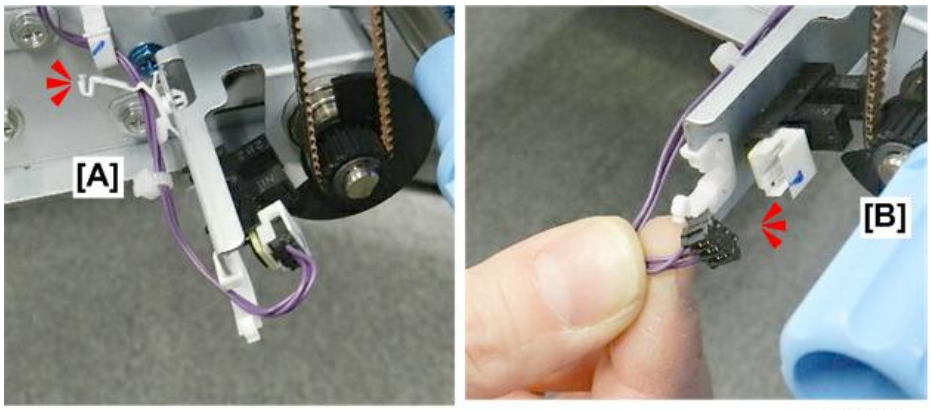
d270b2224

3. The main relay HP sensor is at the right bottom edge of the drawer.



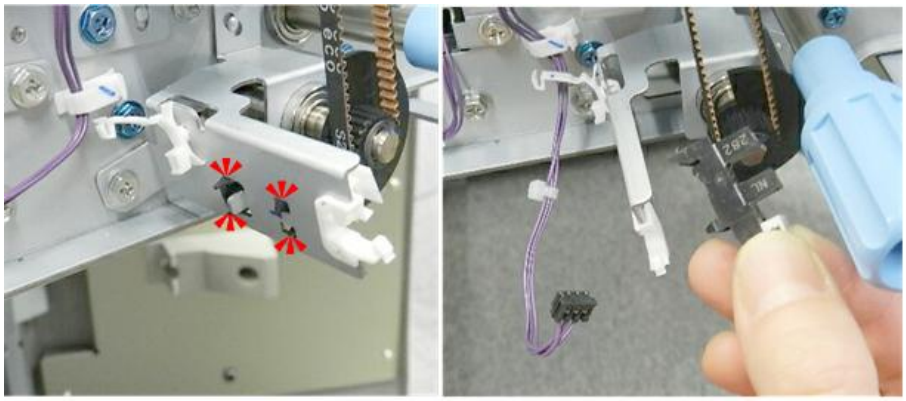
d1793540

4. Free and disconnect the harness at [A] and [B] (x1, x1).



d1793541

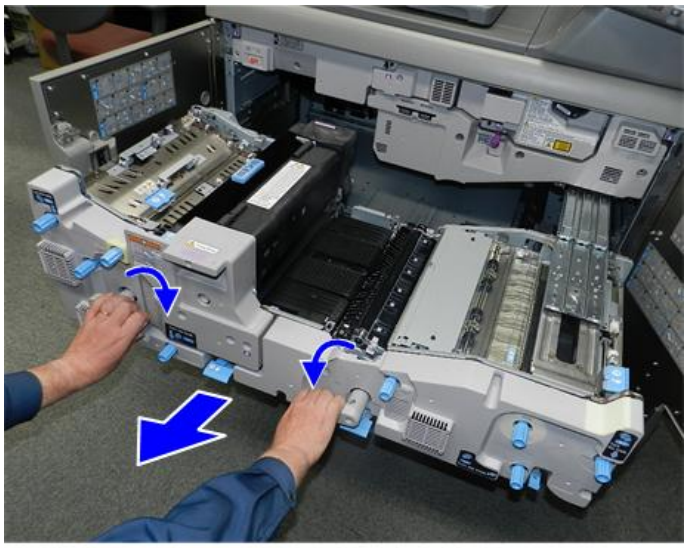
5. Disconnect the sensor (x4).



d1793542

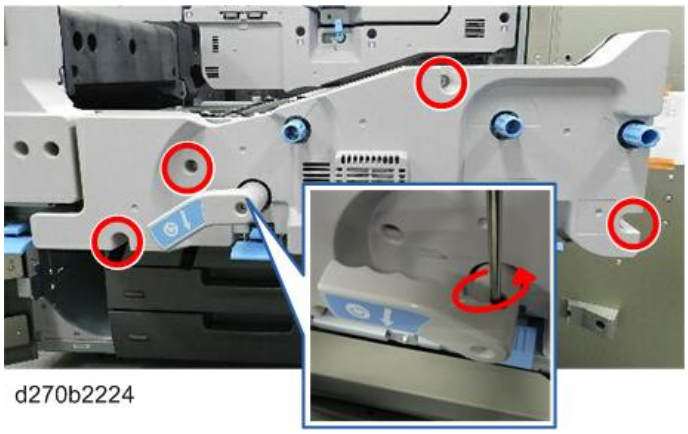
Main Relay Sensor

1. Pull out the drawer.



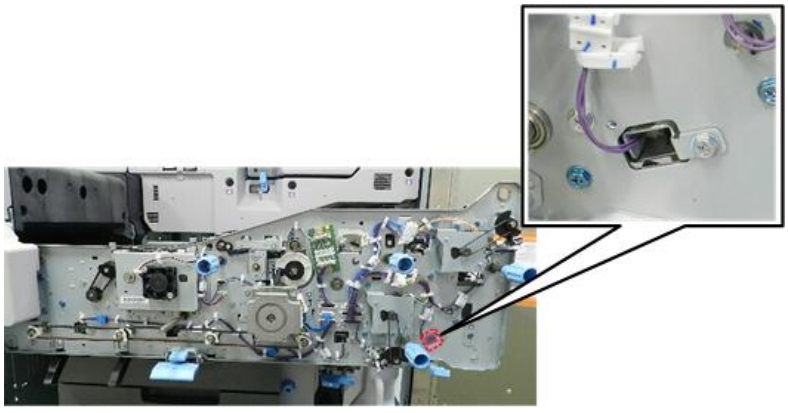
d270b2213

2. Remove the drawer right cover (x5).



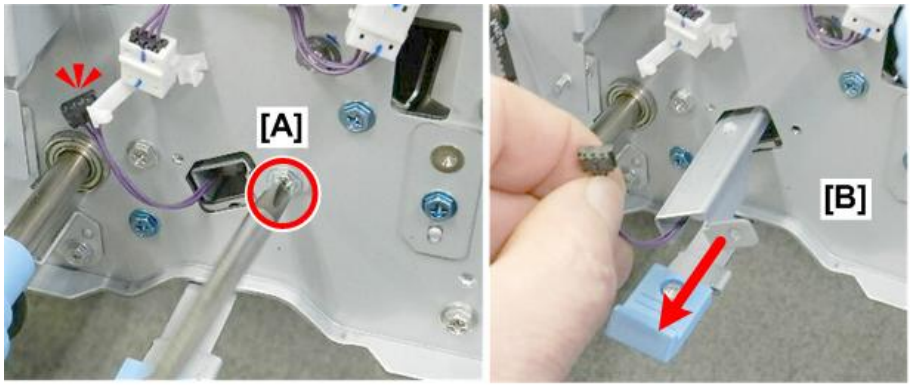
d270b2224

3. The main relay sensor is at the bottom right corner of the drawer.



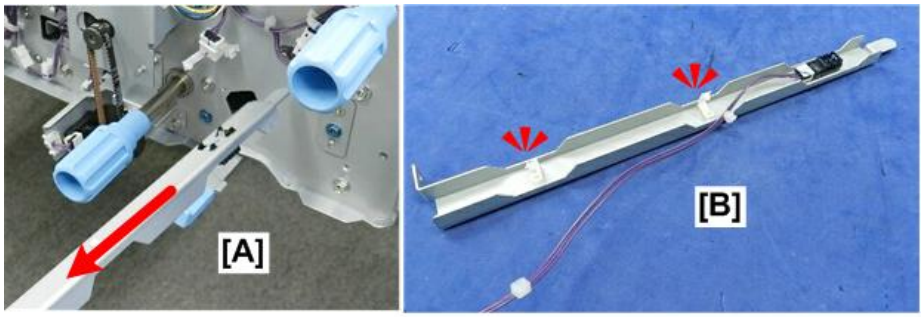
d1793543

4. Disconnect the sensor bracket [A], then pull out the bracket [B] (x1, x1).



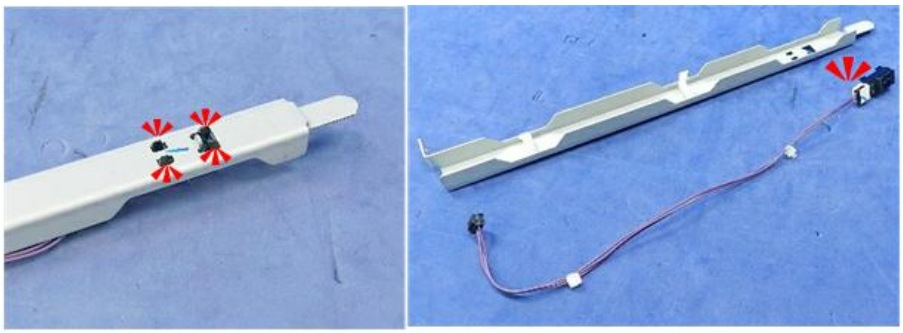
d1793544

5. Pull out the bracket [A] completely.
6. Free the harness [B] (x2).



d1793545

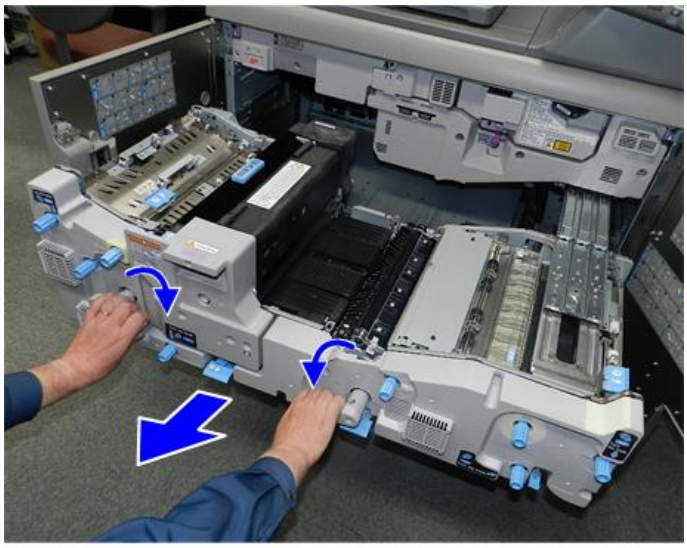
7. Remove the sensor (x4, x1).



d1793546

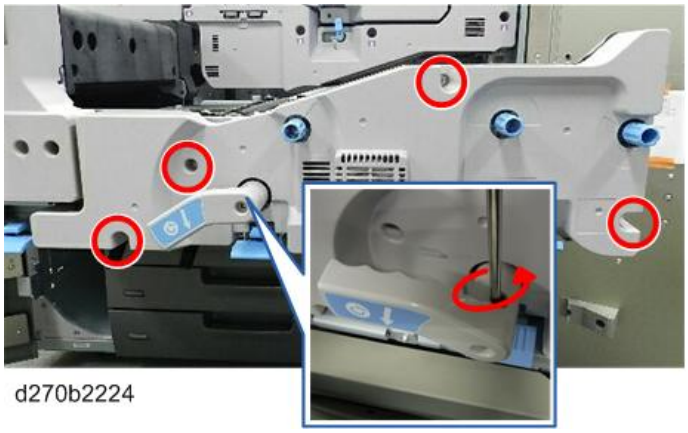
LCIT Relay HP Sensor

1. Pull out the drawer.



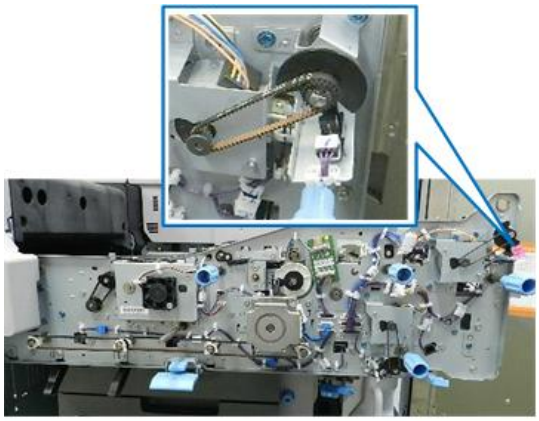
d270b2213

2. Remove the drawer right cover (x5).



d270b2224

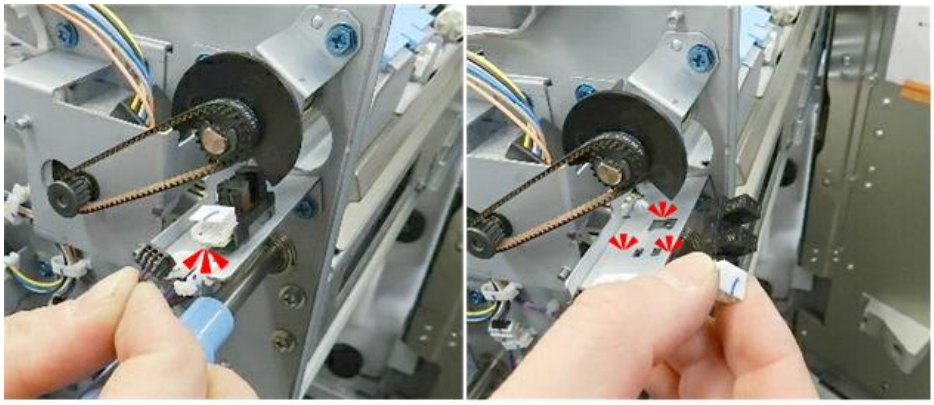
3. The LCIT relay HP sensor is in the upper right corner of the drawer.



d1793552

4. Disconnect the sensor (x1).

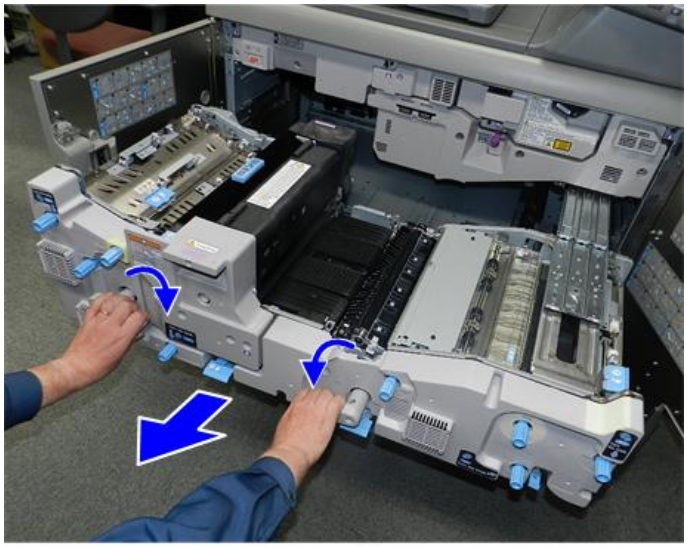
5. Remove the sensor (x3).



d1793553

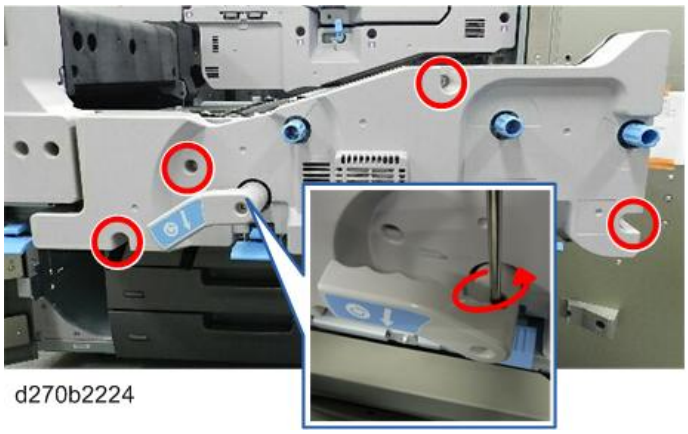
Registration Gate Roller HP Sensor

1. Pull out the drawer.



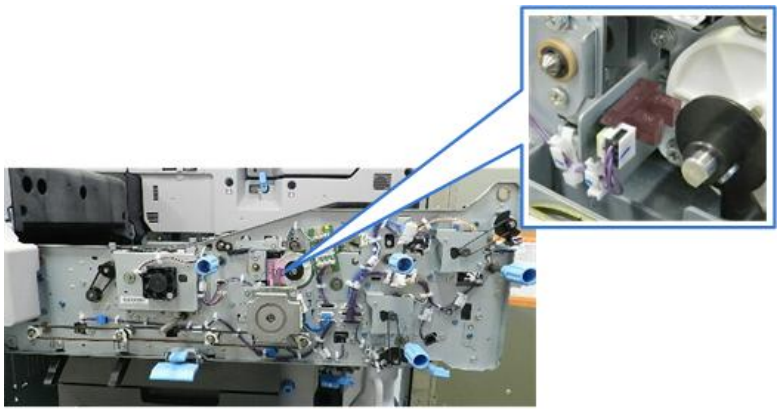
d270b2213

2. Remove the drawer right cover (x5).



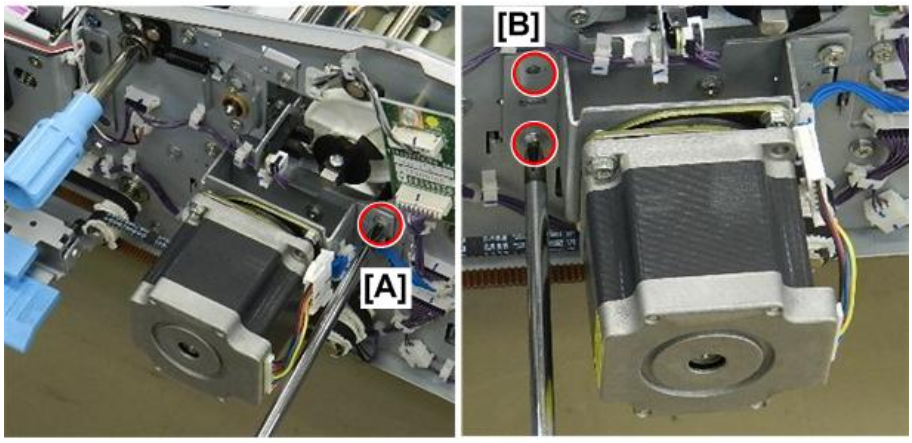
d270b2224

3. The registration gate roller HP sensor is at the top of the drawer unit, near the center.



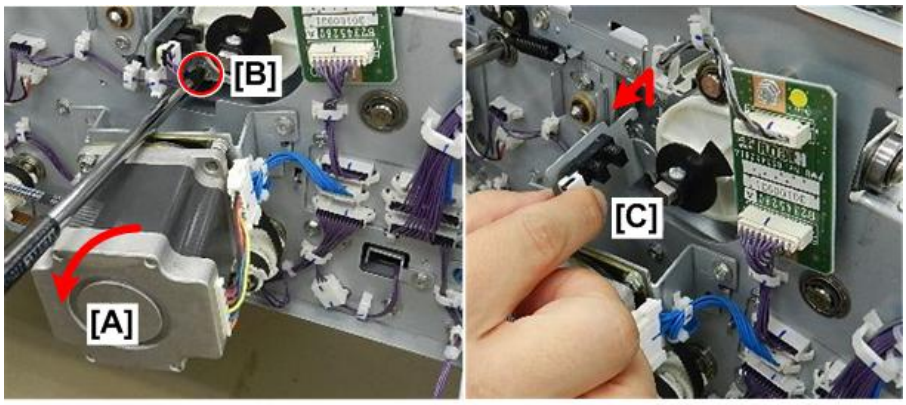
d1793554

4. Loosen screw [A] (do not remove) of duplex transport motor 2.
5. On the left side of the same bracket [B], remove both screws (x2).



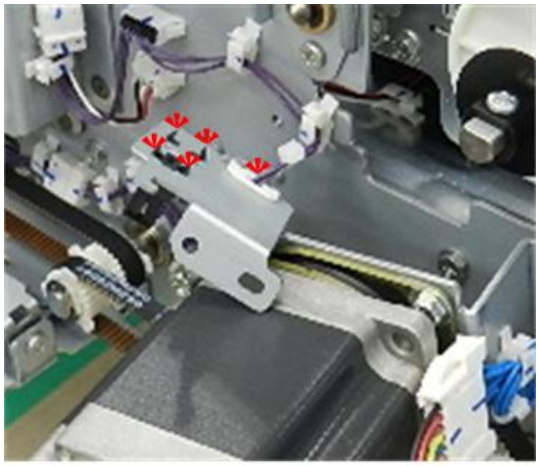
d1803536

6. Pull the motor [A] down slightly, and then disconnect the sensor bracket screw [B] (x1).
7. Pull out the sensor bracket [C].



d1803537

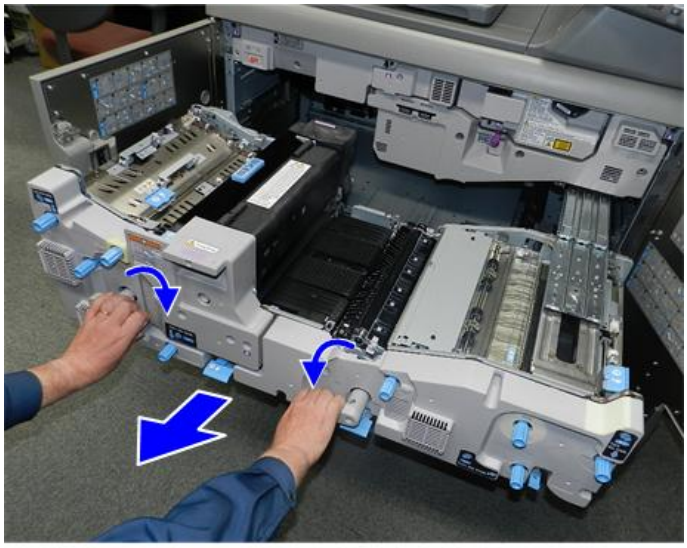
8. Remove the sensor (x1, x1, x4)



d1803546

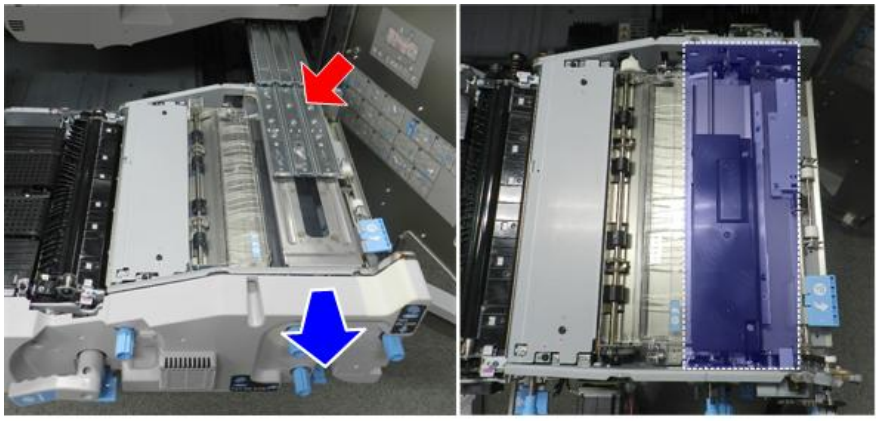
LCIT Relay Sensor

1. Open the front doors and pull the drawer out.



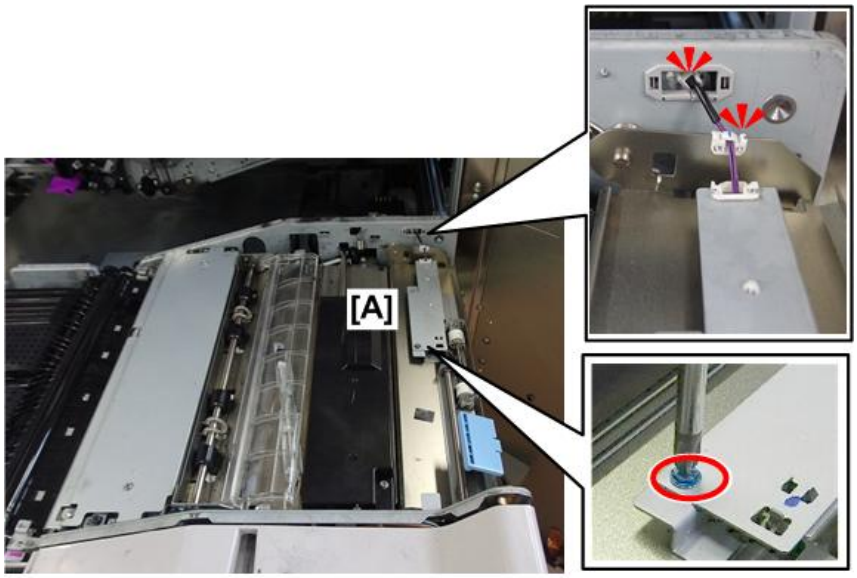
d270b2213

2. Disconnect the support rails, and then remove the rail base. (Support Rails)



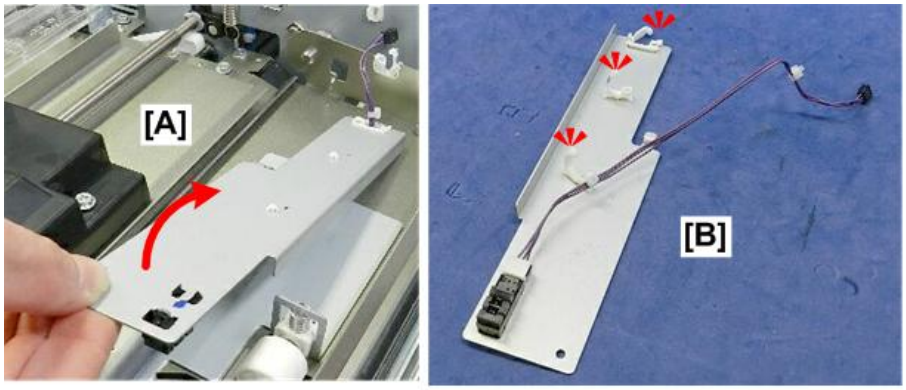
d270b3552

3. At the right edge of the drawer, disconnect the sensor at [A] (x1, x1, x1)



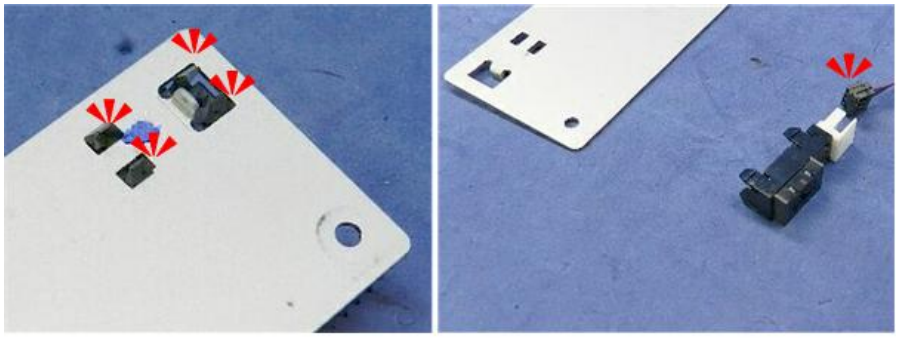
m263b4504

4. Remove the bracket [A].
5. Free the sensor harness [B] (x3).



d1793560

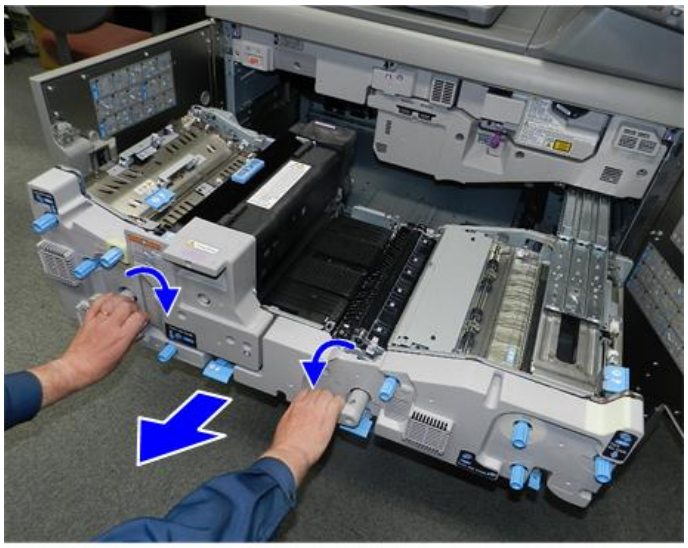
6. Remove the sensor (x4).



d1793561

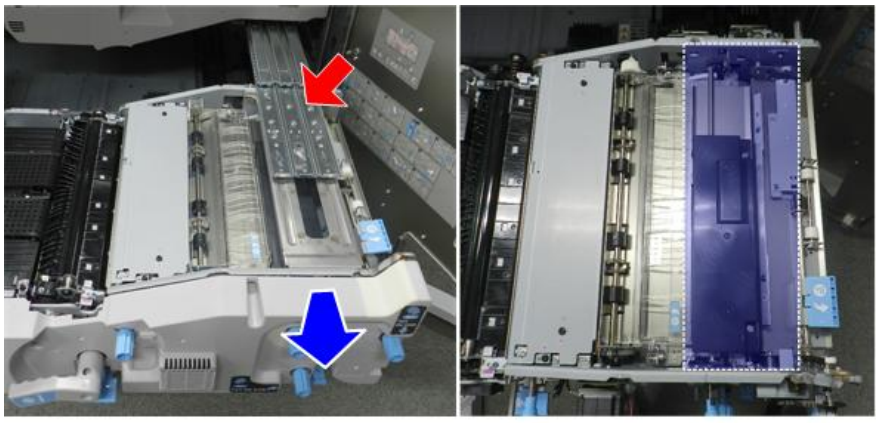
Registration Timing Sensor

1. Open the front doors and pull the drawer out.



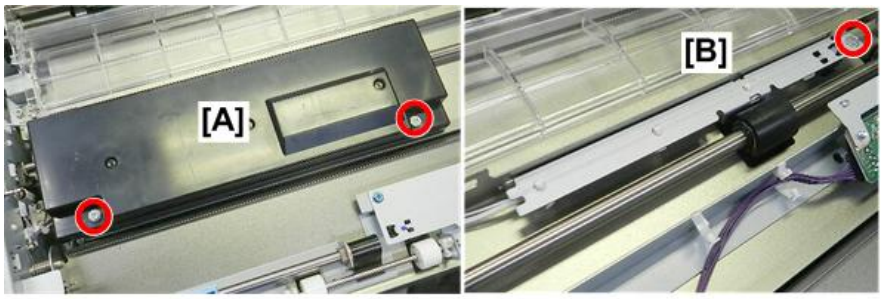
d270b2213

2. Disconnect the support rails, and then remove the rail base. (Support Rails)



d270b3552

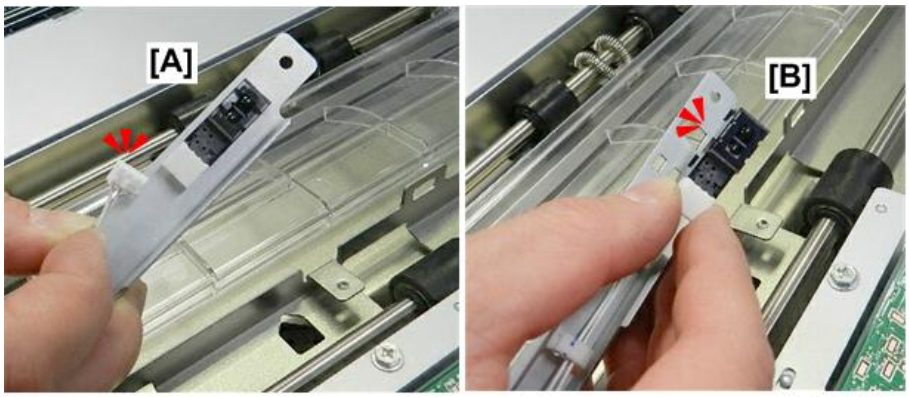
3. Remove the cover [A] (x2).
4. Disconnect the sensor bracket [B] (x1).



d1793562

5. Disconnect the sensor [A] (x1).

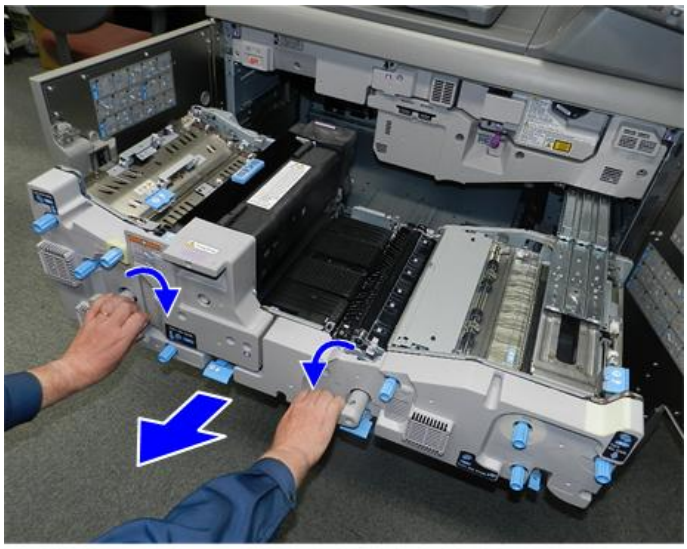
6. Remove the sensor [B] (☚x4).



d1793563

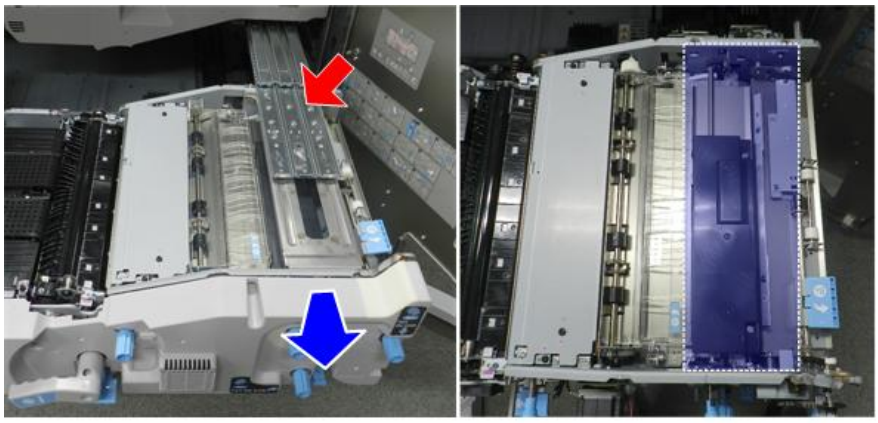
Double-feed Sensor 1, Double-feed Sensor 2

1. Open the front doors and pull the drawer out.



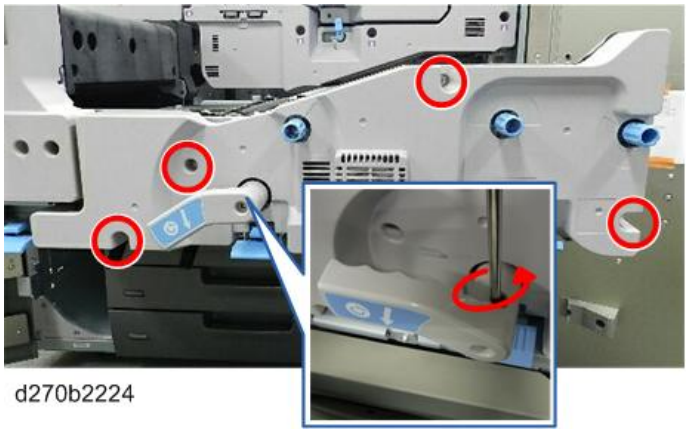
d270b2213

2. Disconnect the support rails, and then remove the rail base. (Support Rails)

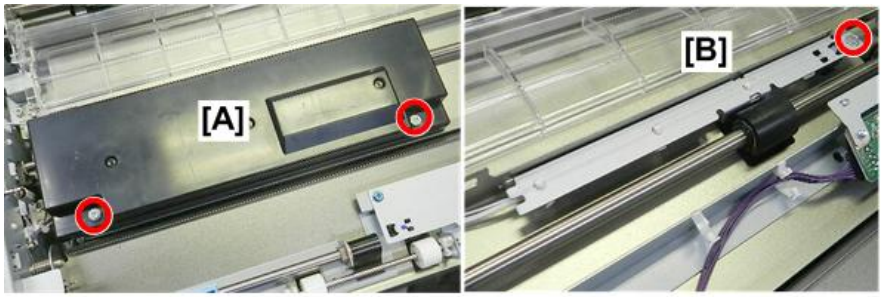


d270b3552

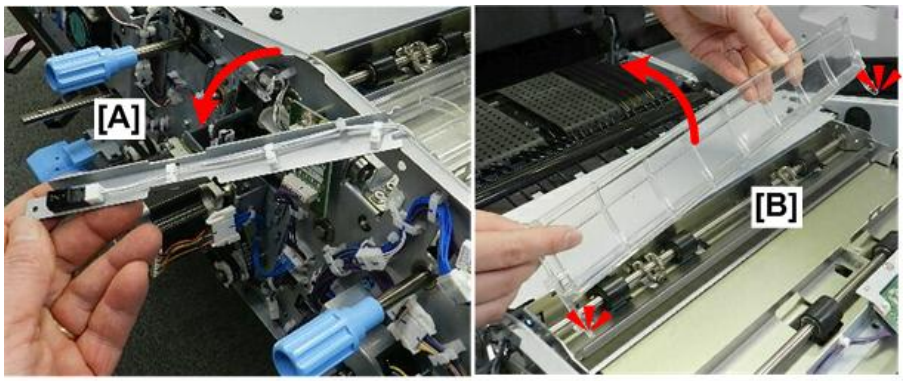
3. Remove the drawer right cover (x5).



4. Remove the cover [A] (x2).
5. Disconnect the sensor bracket [B] (x1).

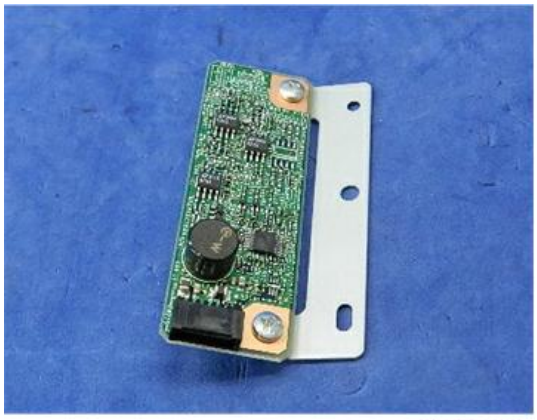


6. Move the sensor bracket [A] aside.
7. Remove the plastic cover [B] .



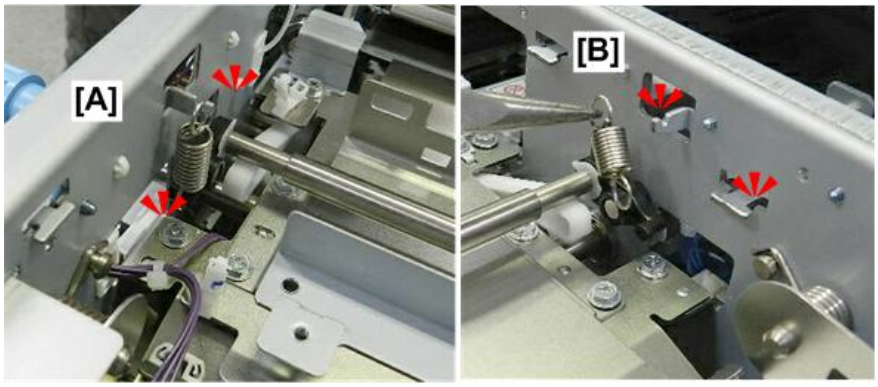
8. Removed the double-feed sensor 2 bracket (with sensor attached) (x1).

9. Remove the double-feed sensor 2 (receiver) with bracket attached (x2).



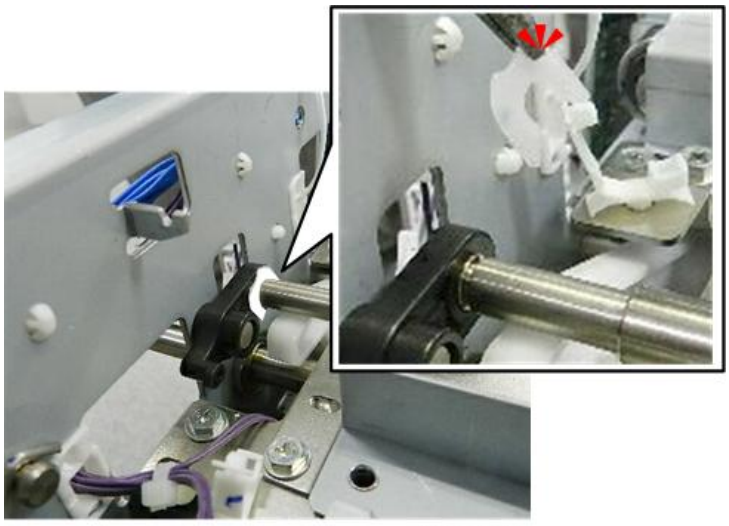
d1793566

10. Remove springs at front [A] and rear [B] (x2).



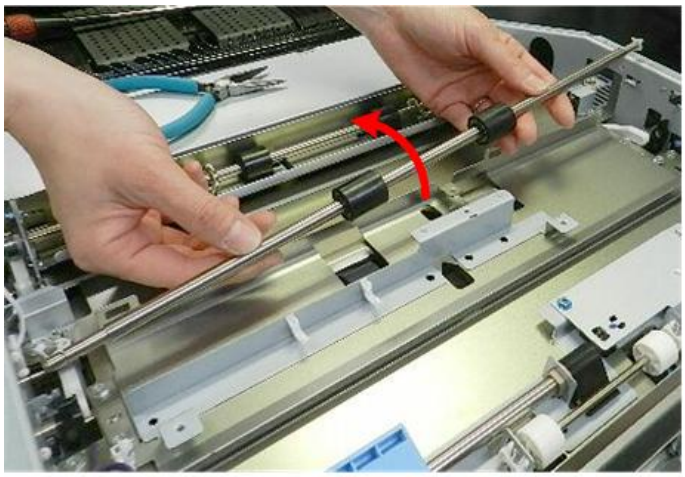
d1793567

11. Disconnect the roller at the front (x1).



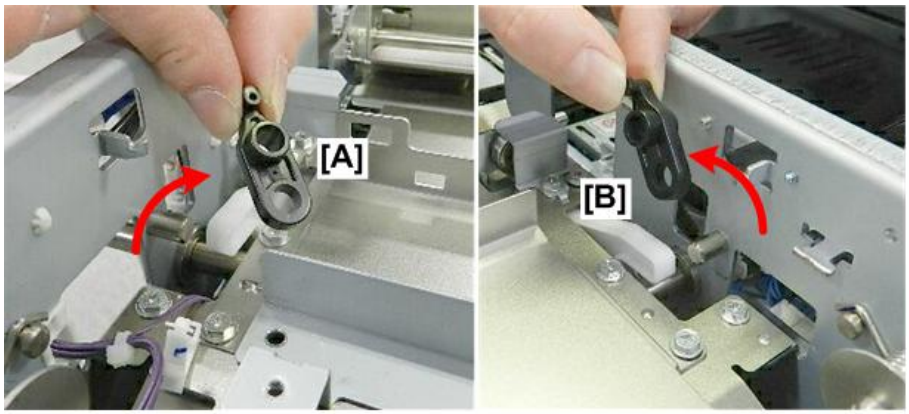
d1793568

12. Remove the roller.



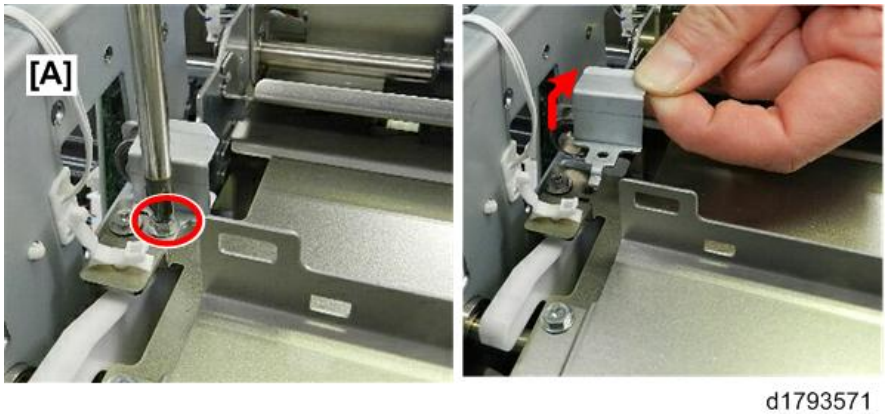
d1793569

13. Remove couplings from front [A] and rear [B] so that they do not become lost.



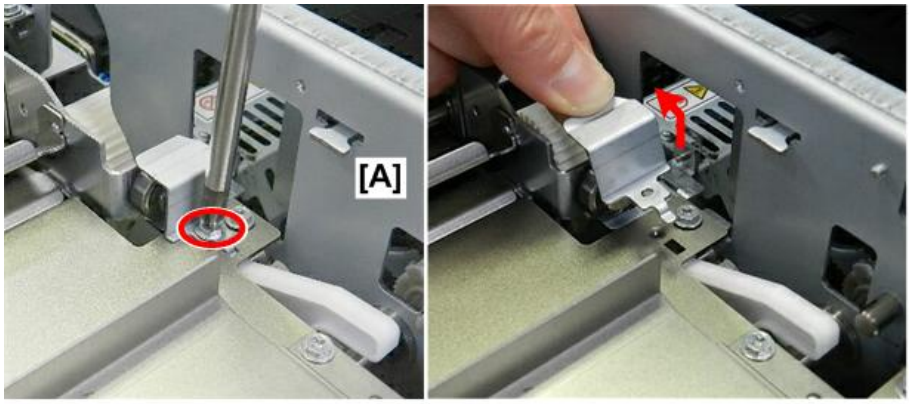
d1793570

14. At the front [A], remove the lock plate (x1).



d1793571

15. At the rear, remove the lock plate [A] (x1).



d1793572

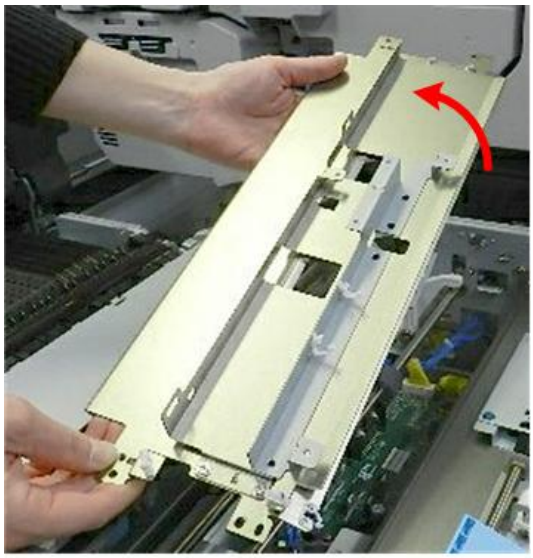
16. Disconnect the harness near the handle (x1).

d1793573

17. Disconnect the cover plate (x4).

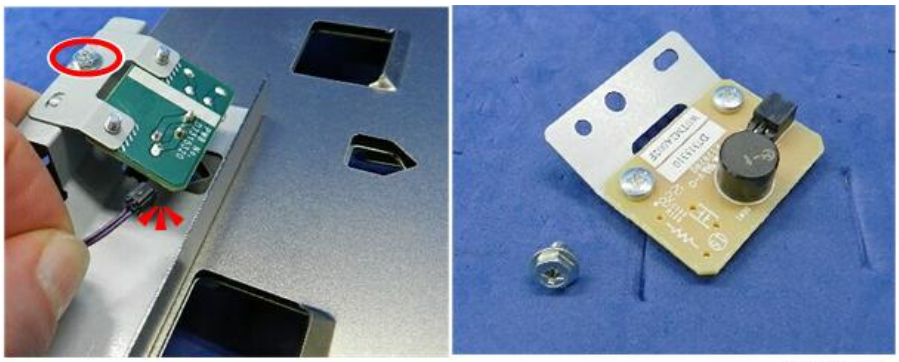
d1793574

18. Remove the cover plate.



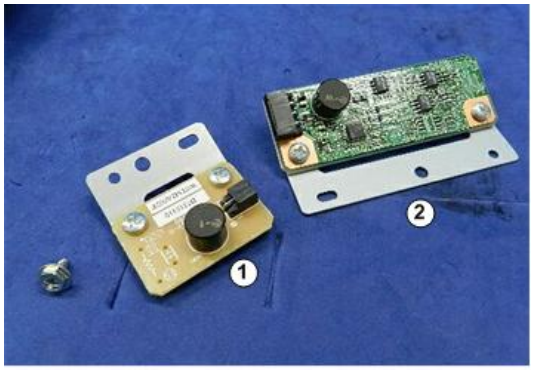
d1793575

19. Remove the sensor (x1, x1).



d1793576

①	Double-feed Sensor 1 (Emitter)
②	Double-feed Sensor 2 (Receiver)

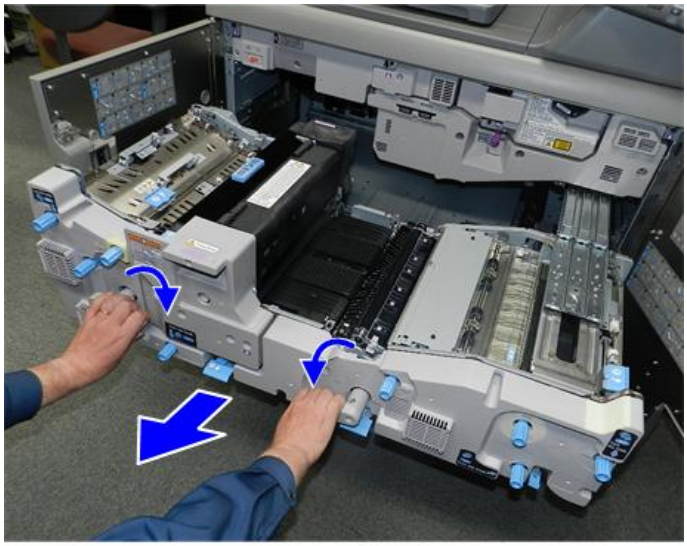


d1793577

CIS

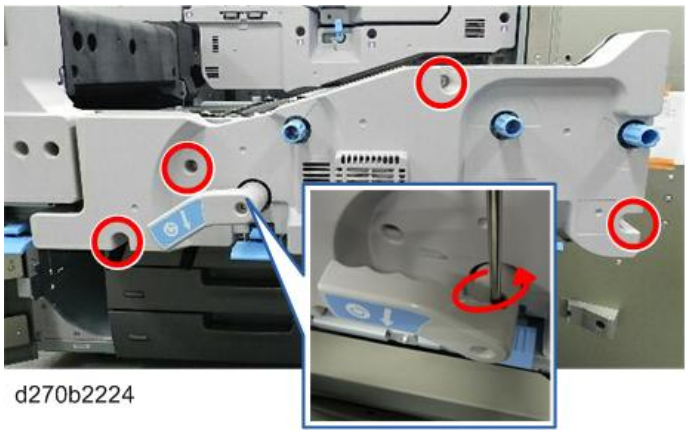
CRB (CIS Relay Board)

1. Pull out the drawer.



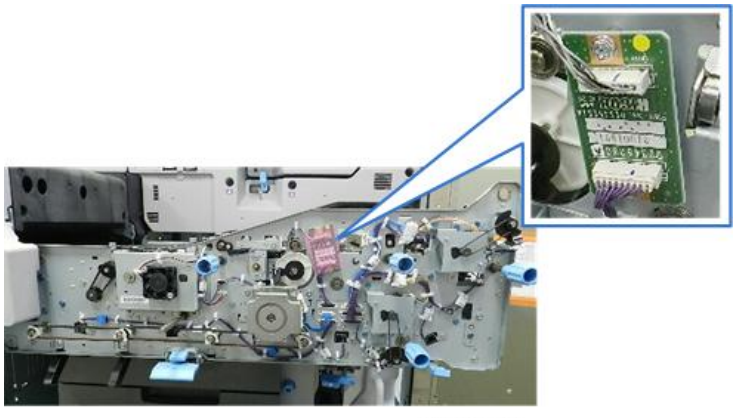
d270b2213

2. Remove the drawer right cover (x5).



d270b2224

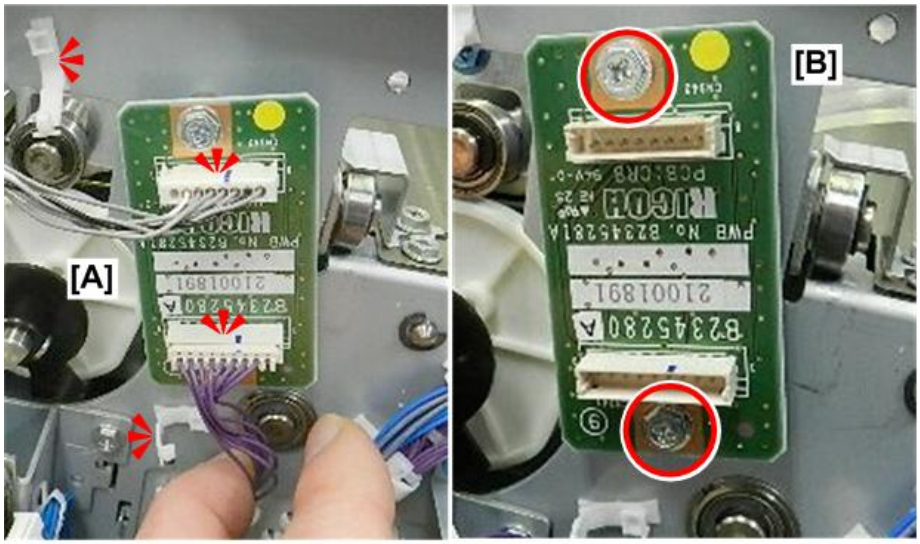
3. The CIS board is on the front side of the drawer, near center.



d1793556

4. Disconnect the board [A] (x2).

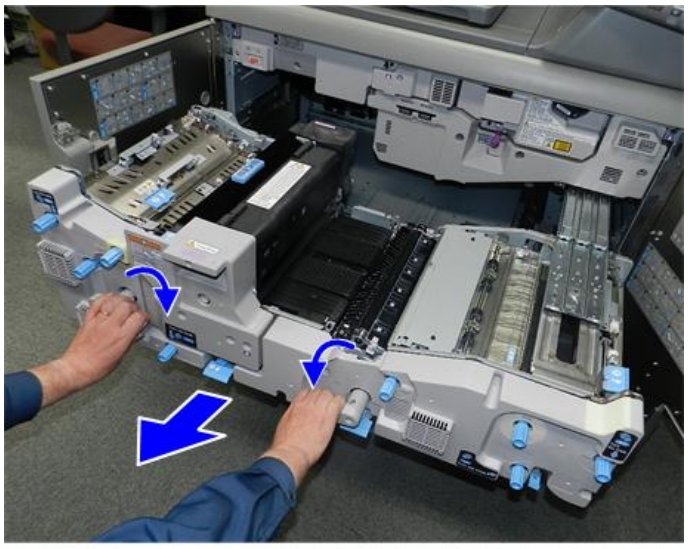
5. Remove the board [B] (x2).



d1793557

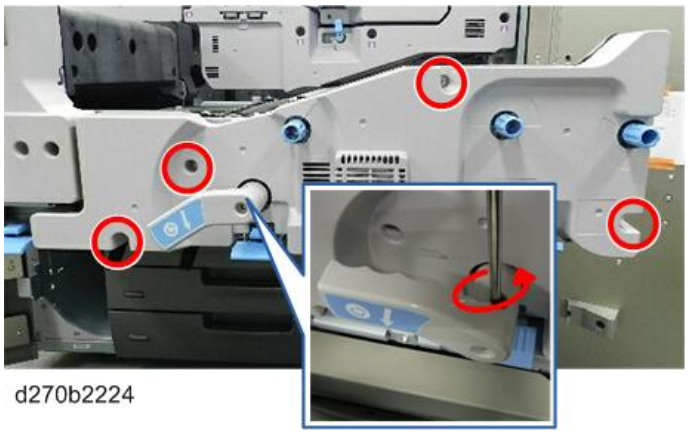
CIS Element Removal

1. Pull out the drawer.



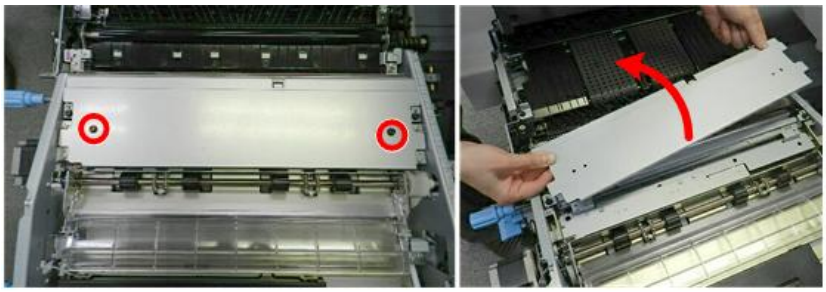
d270b2213

2. Remove the drawer right cover (x5).



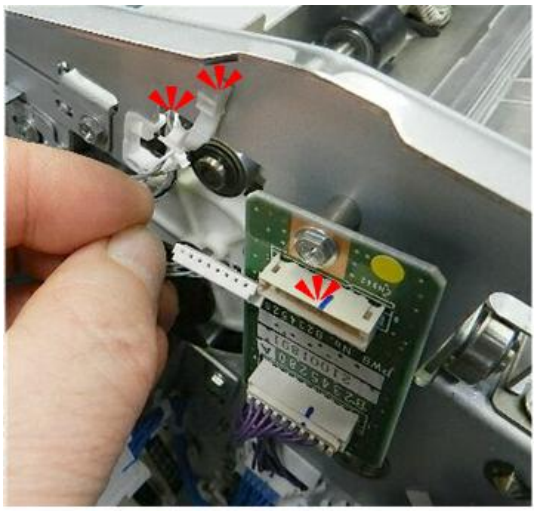
d270b2224

3. Remove the plate (x2).



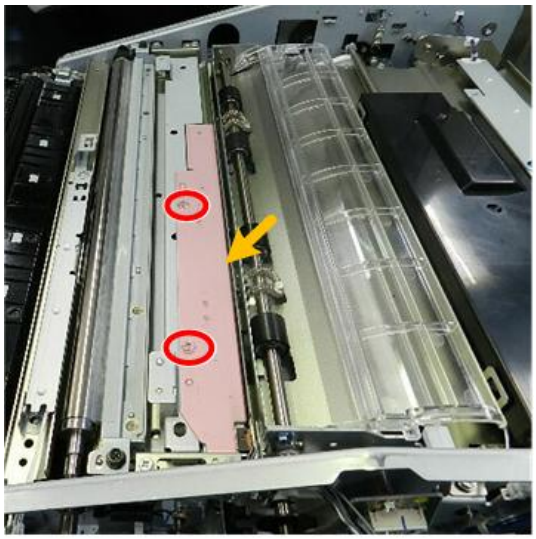
d1793578

4. Disconnect the CIS (x2, x1).



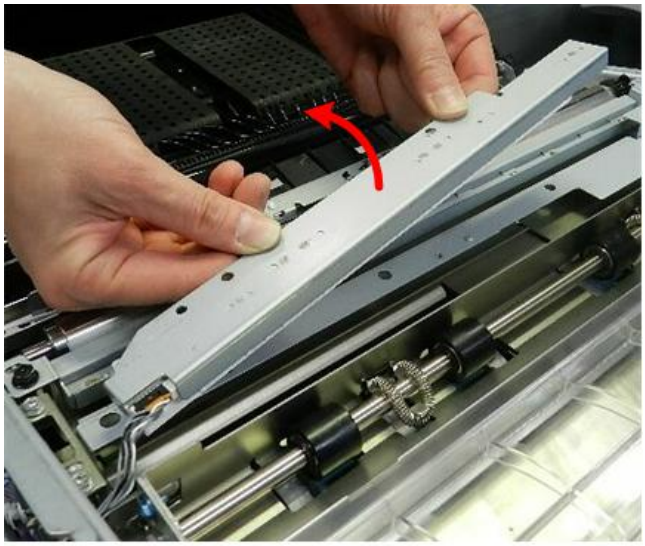
d1793591

5. The CIS element is encased by a bracket.
6. Disconnect the bracket (x2).



d1793579

7. Remove the CIS bracket.



d1793581

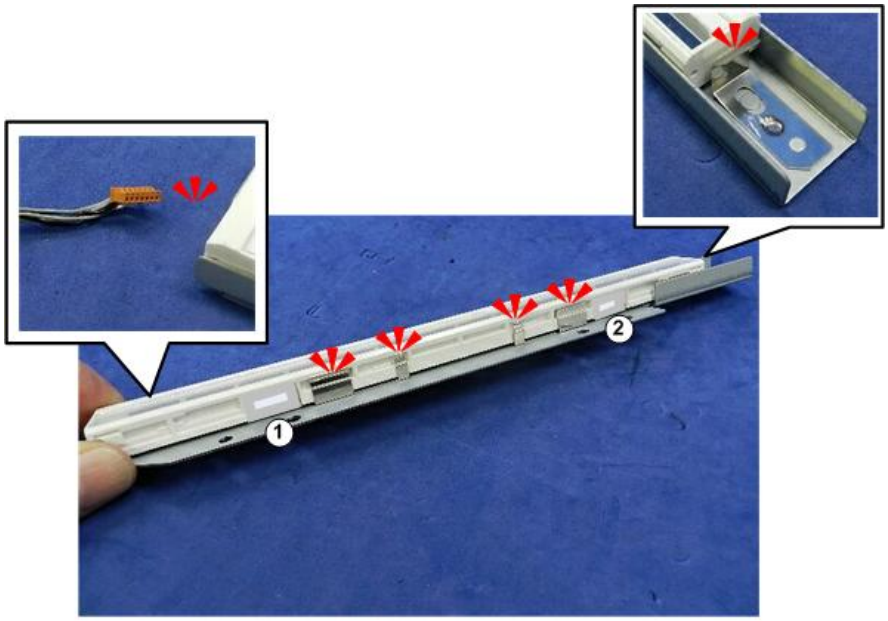
8. Lay the CIS bracket on a flat clean surface.
9. Clean the surface of the CIS with a lens cloth.

d1793582

10. Separate the CIS from the bracket (x1, x5).

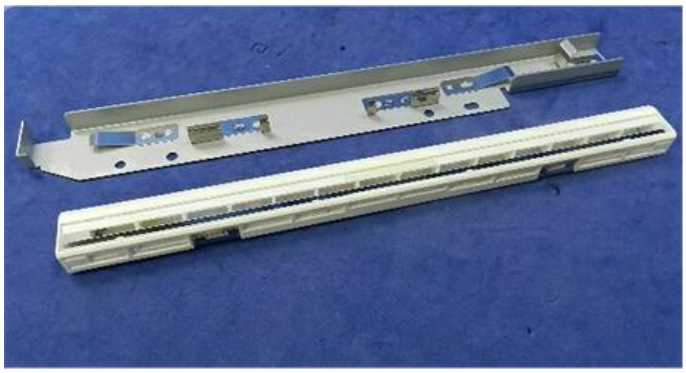
Important

- Do not try to release the tabs ① and ② (the metal tabs with cut-outs and plastic inserts).



d1793583

11. Separate the CIS and bracket.



d1793584

Light Level Adjustment with CIS Replacement

For best results with this adjustment, use a sheet of T6000 (70W) paper. If this type of paper is not available, you can also use:

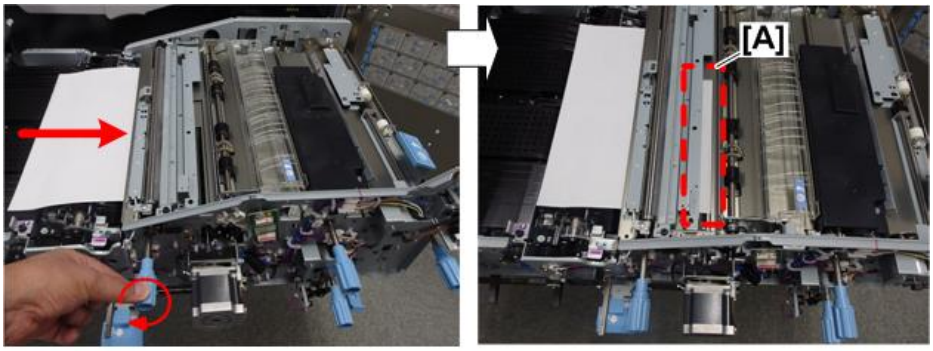
- Hammermill Fore MP White (20 lb) LT
- Normal copy paper (80 g/m^2) A4

1. Remove the CIS element (see the previous section).

Inserting the Paper: Procedure 1

1. From downstream (the transfer timing roller side), insert one clean sheet of white A4 paper into the

registration unit as far where the CIS element has been removed [A].



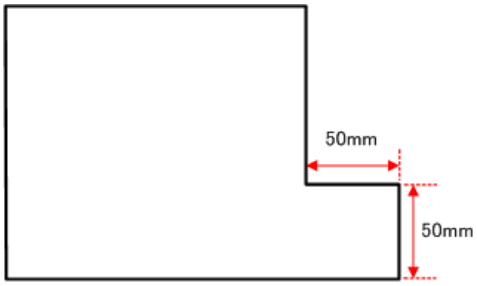
m263d4501

Note

- If you experience difficulty inserting the paper, do the procedure below.

Inserting the Paper: Procedure 2

1. Cut out a section of the paper using the dimensions shown.



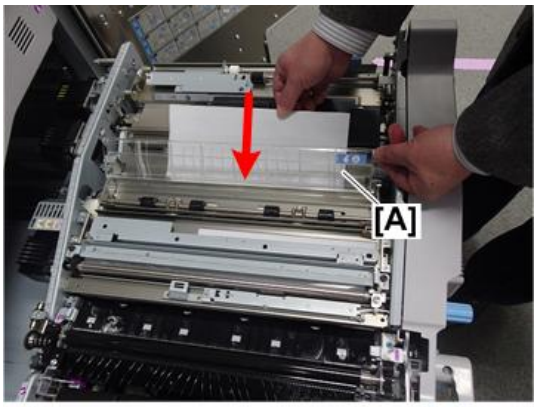
m263d4506

2. While standing to the right of the registration unit, rotate the rotary gate roller counter-clockwise with your fingers until you can see the cams (this releases pressure on the roller so that the paper can be inserted).

m263d4505

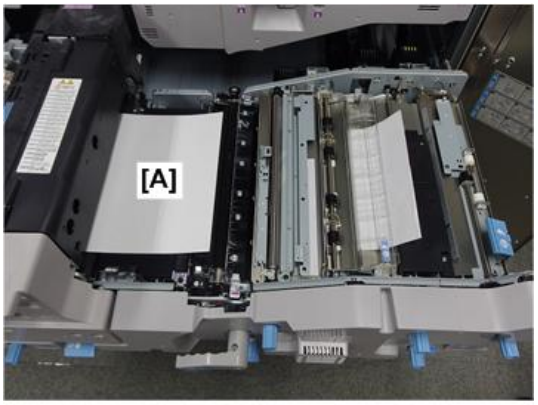
3. Raise the plastic cover, insert the prepared sheet [A] from upstream as shown, and then push it as far as

where the CIS element was removed.



m263d4507

4. Insert another sheet of paper into the entrance of the fusing unit to prevent a paper jam (JAM 1) after you turn the machine on.



m263d4508

Light Adjustment

1. Install the new CIS element.

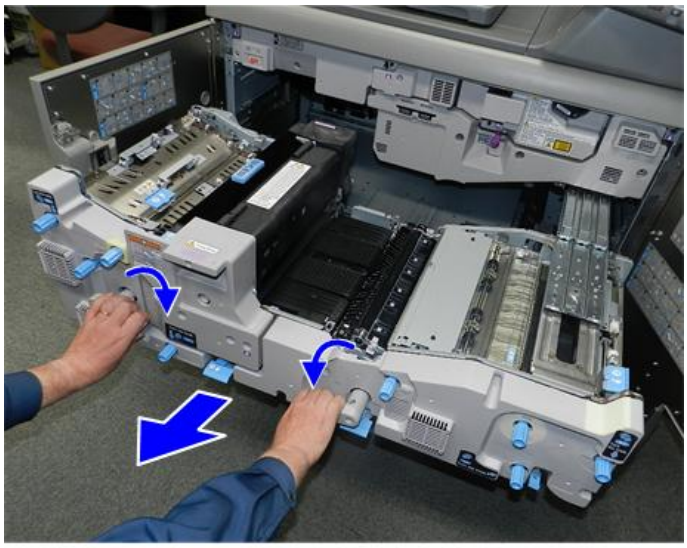
Note

- If the machine issues a JAM001 alert, ignore it and continue with this procedure.

2. Enter the SP mode, and then execute **SP1912-001**.
3. After the SP executes, remove the inserted paper.
4. Re-attach the bracket. This completes the procedure.

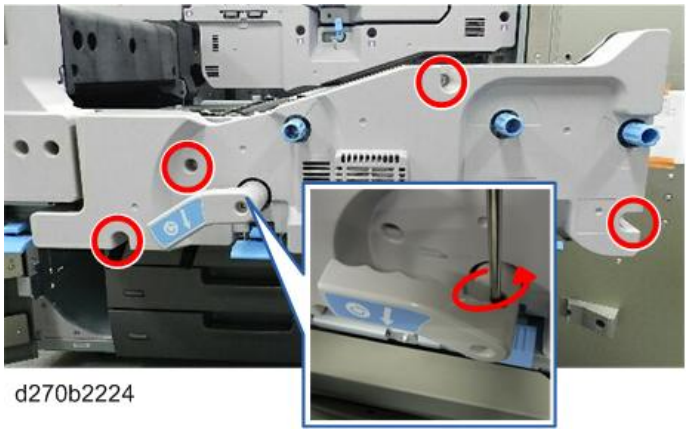
Transfer Timing Sensor

1. Open the front doors and pull the drawer out.



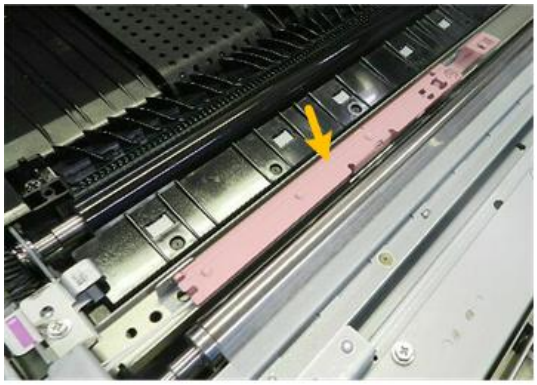
d270b2213

2. Remove the drawer right cover (x5).



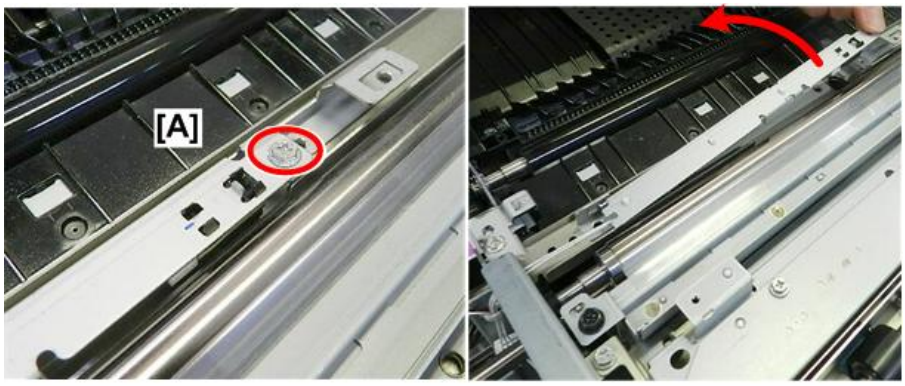
d270b2224

3. The transfer timing sensor is to the right of the PTR unit.



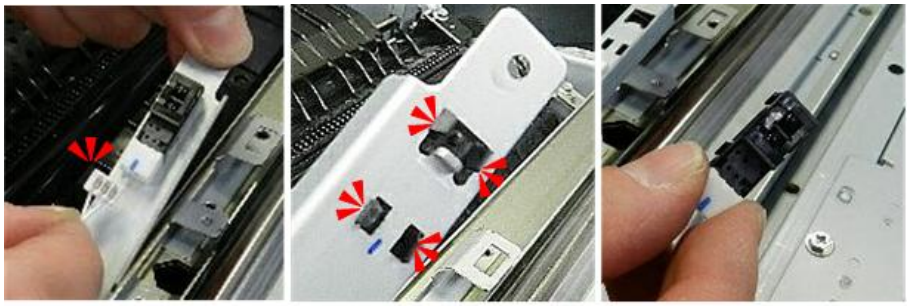
d1793585

4. Disconnect the sensor bracket [A] and then raise it (x1).



d1793586

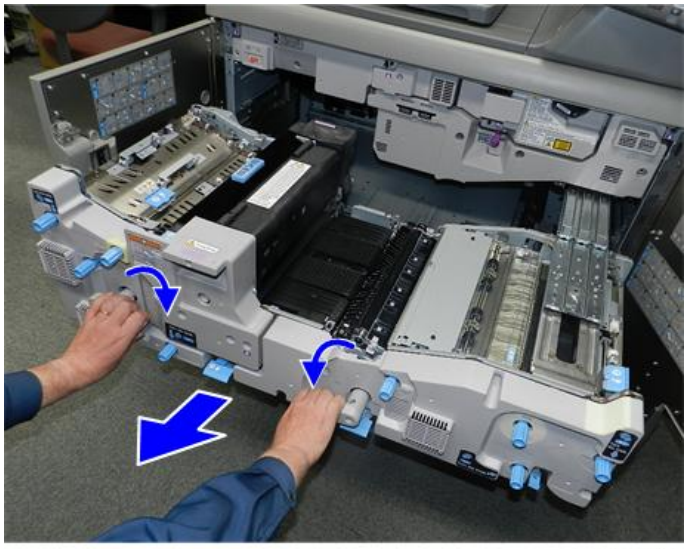
5. Remove the sensor (x1, x4).



d1793587

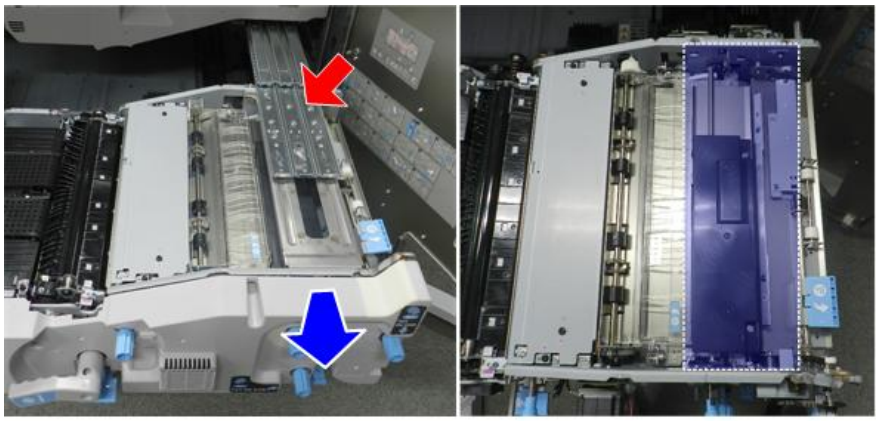
Registration Entrance Sensor

1. Open the front doors and pull the drawer out.



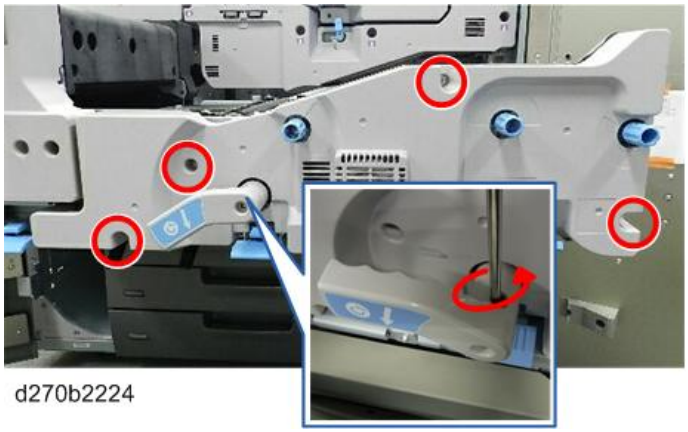
d270b2213

2. Disconnect the support rails, and then remove the rail base. (Support Rails)



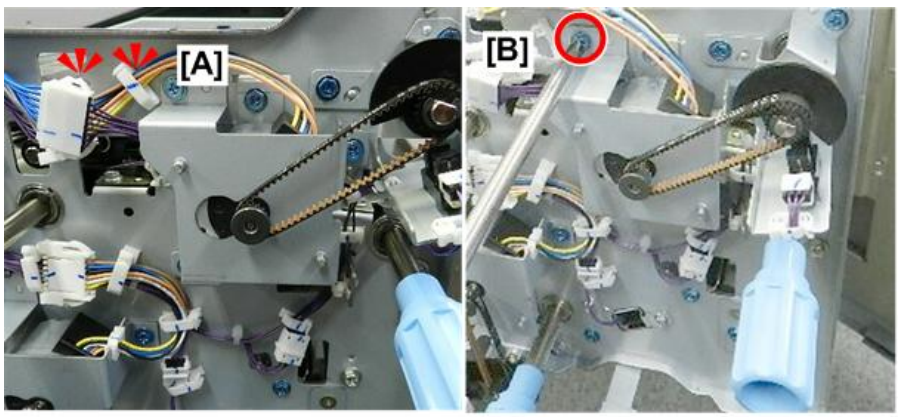
d270b3552

3. Remove the drawer right cover (x5).



d270b2224

4. Disconnect the motor [A] (x1, x1).
5. Disconnect the motor bracket at the top [B] (x1).

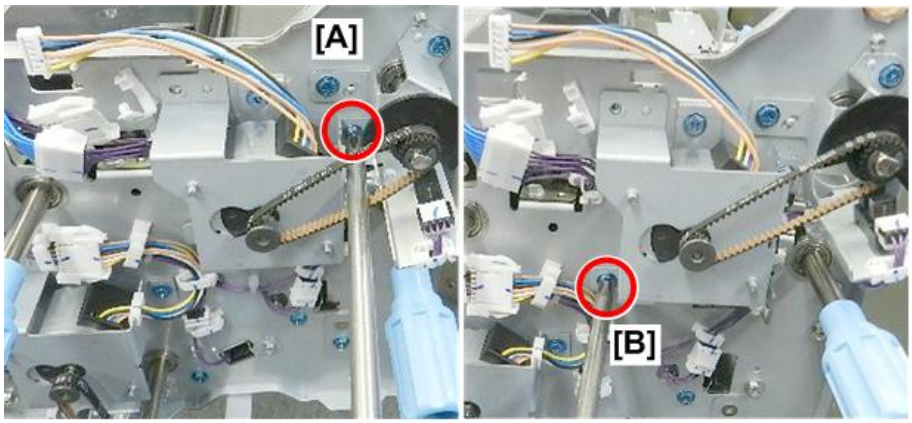


d1793548

6. Disconnect the bracket:

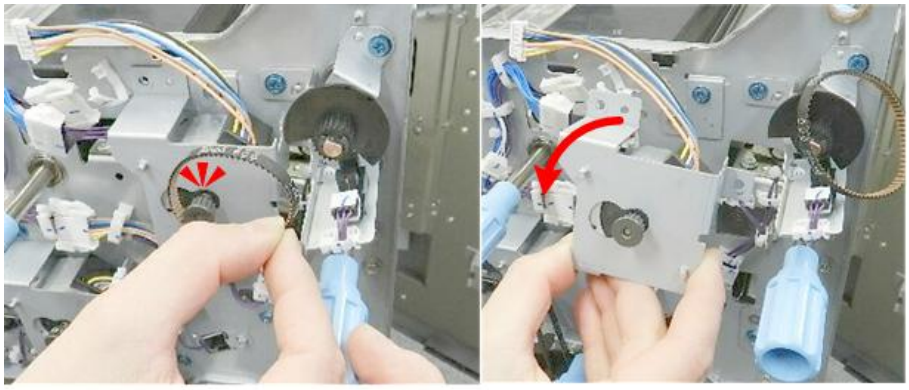
   [A] Right (x1)

   [B] Left (x1)



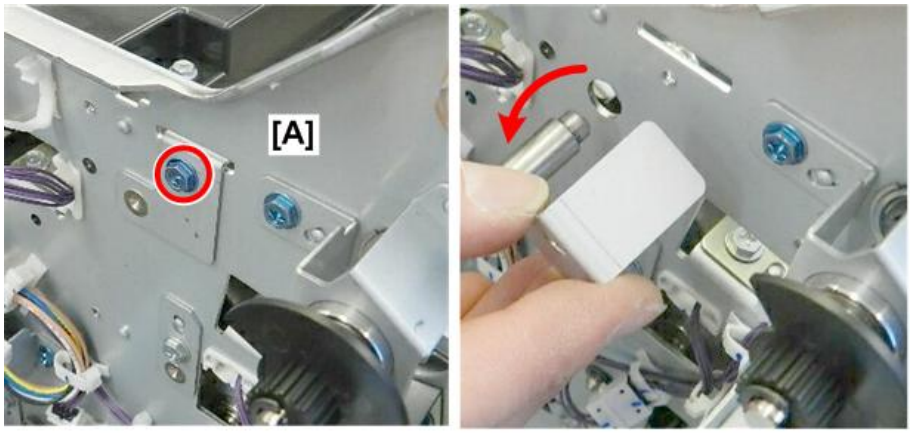
d1793549

7. Remove the belt and then remove the bracket (with motor attached) (x1).



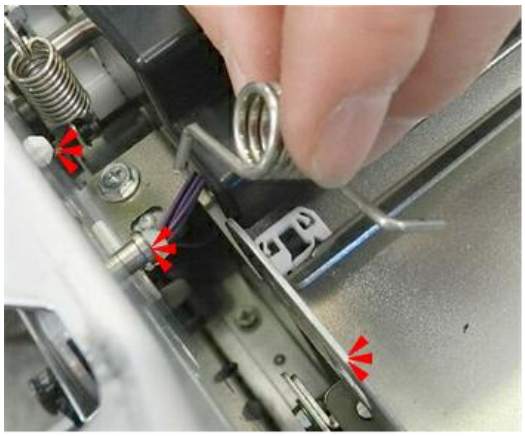
d1793550

8. Remove the lock plate [A] (x1).



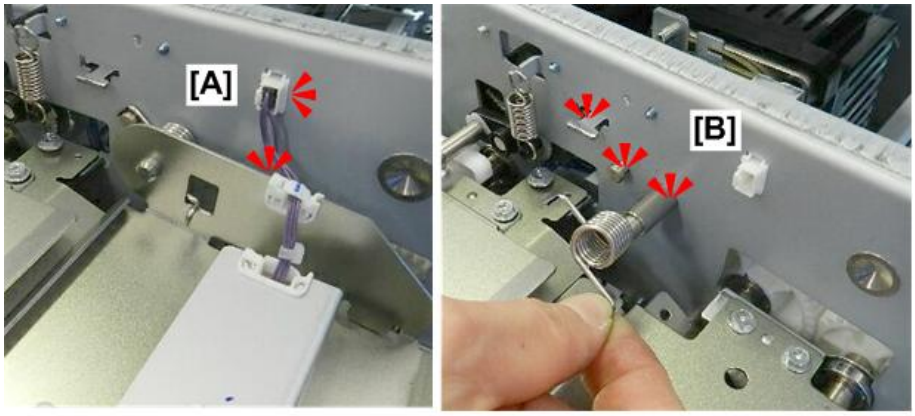
d1793680

9. On the other side of the frame, remove the spring (x1).



d1793681

10. At the rear [A], disconnect the sensor (x1, x1).
11. Remove the spring [B] (x1).



d1793682

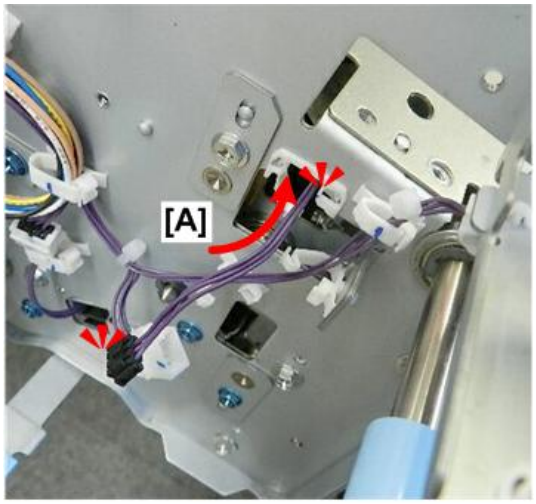
12. Disconnect the plate:

    [A] Front (x2)

    [B] Rear (x2)

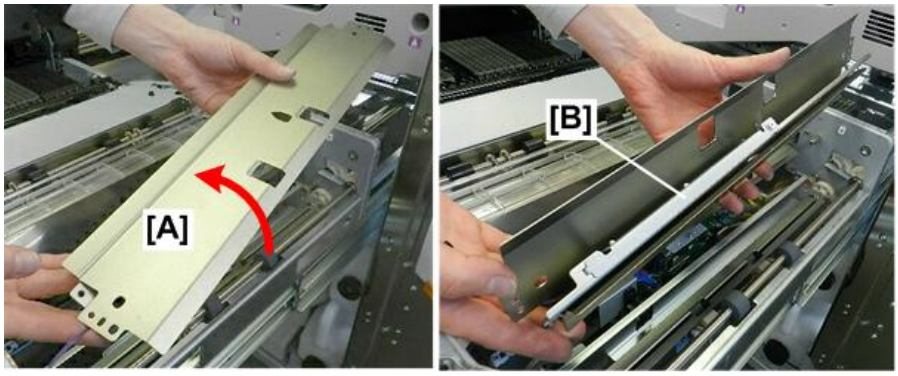
d1793683

13. At the front [A], disconnect the harness, and then pass the harness back through the hole (x1).



d1793684

14. Remove the plate [A].
15. The bracket [B] of the registration entrance sensor is inside the plate.

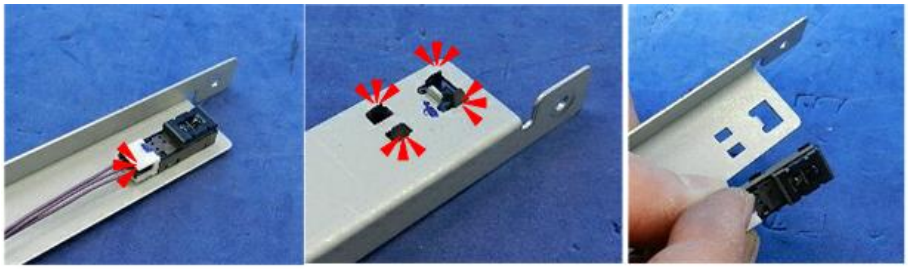


d1793685

16. Disconnect the sensor bracket (x1).

d1793686

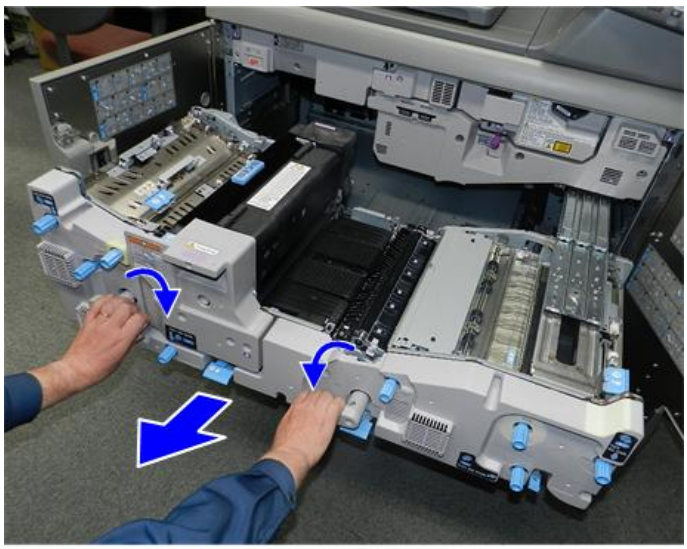
17. Remove the sensor from the bracket (x1, x4).



d1793687

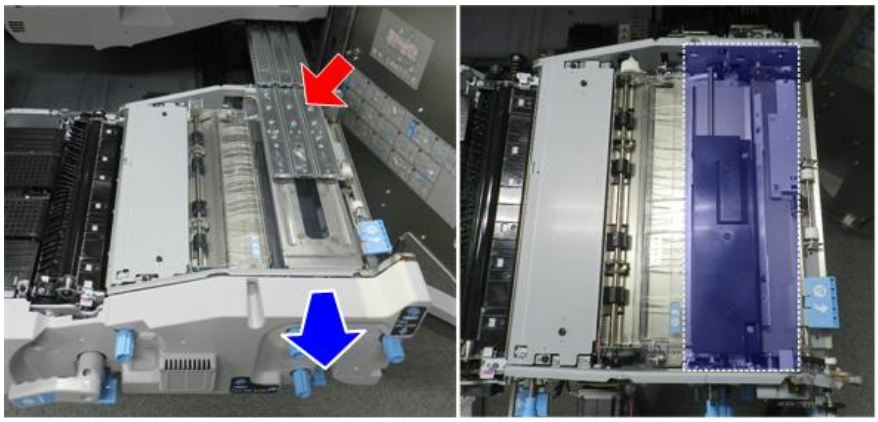
DRB, TE Shift Unit Motor, TE Shift Unit HP Sensor

1. Pull out the drawer.



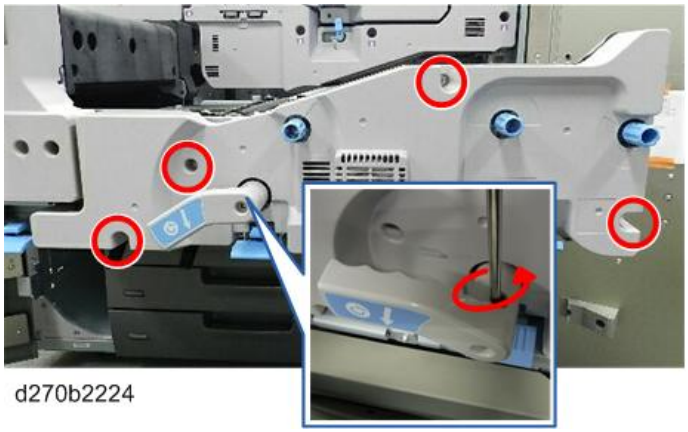
d270b2213

2. Disconnect the support rails, and then remove the rail base. (Support Rails)



d270b3552

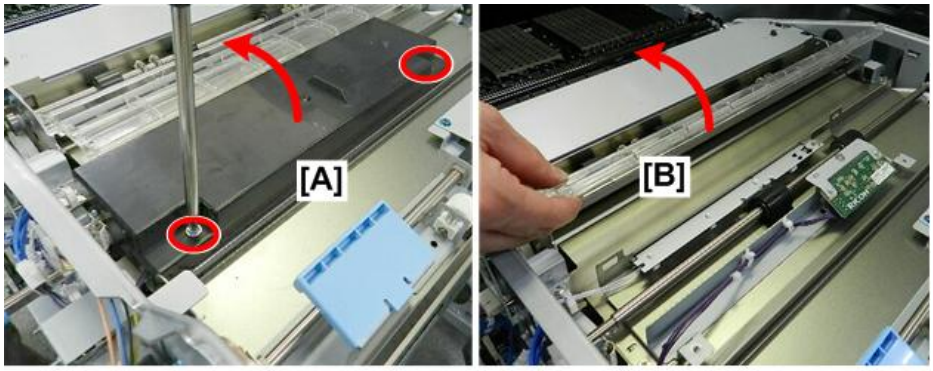
3. Remove the drawer right cover (x5).



4. Remove:

[A] Cover (x2).

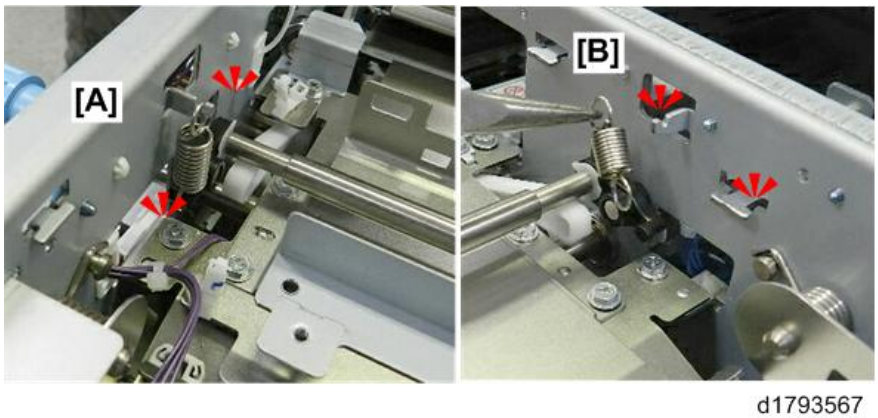
[B] Plastic cover



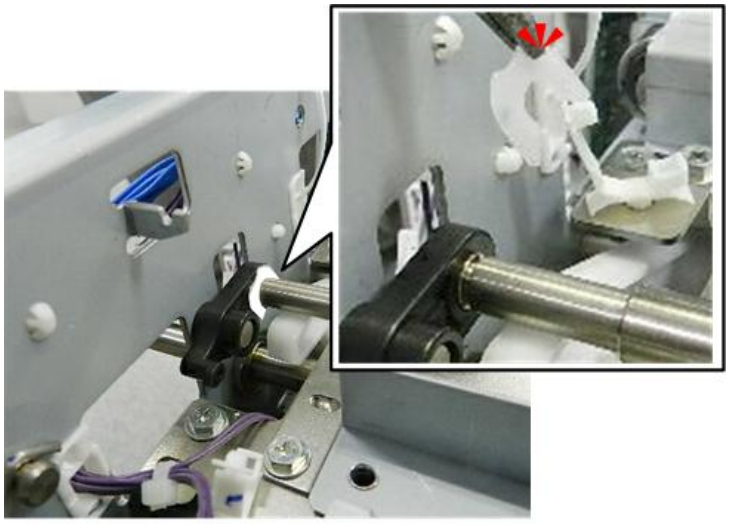
5. Remove springs:

[A] Front (x1)

[B] Rear (x1)

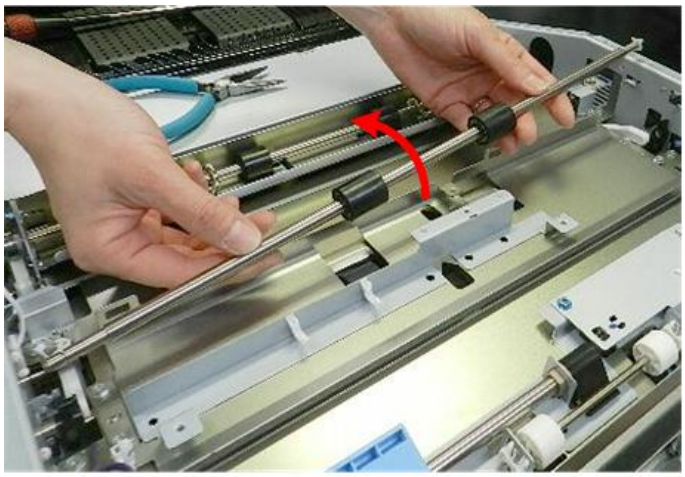


6. Disconnect the roller at the front (x1).



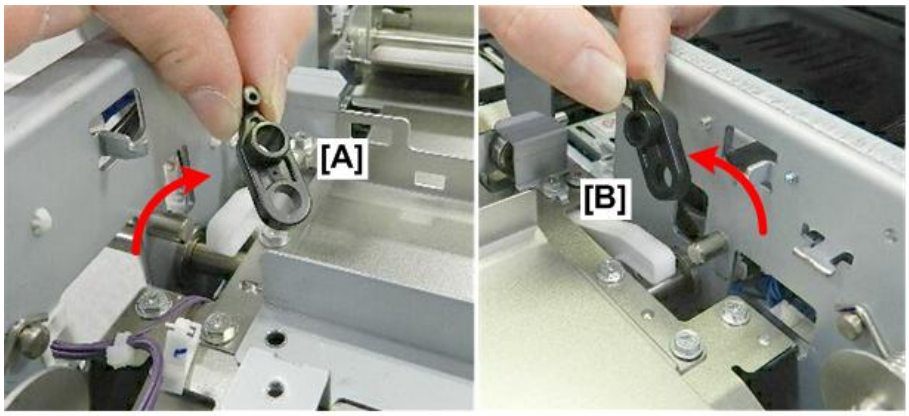
d1793568

7. Remove the roller.



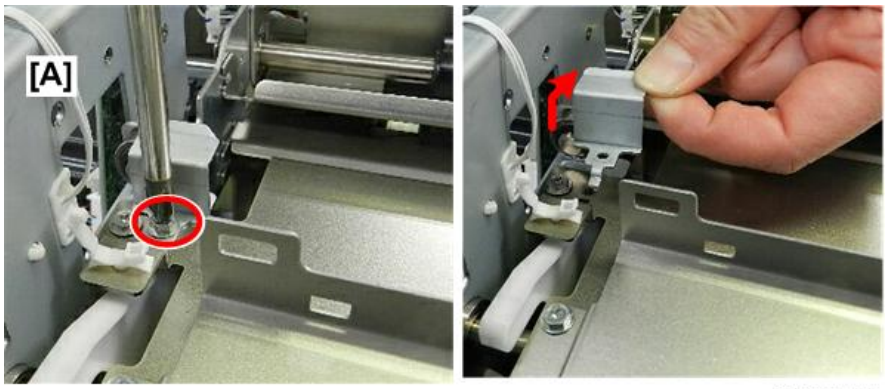
d1793569

8. Remove couplings from front [A] and rear [B] so that they do not become lost.



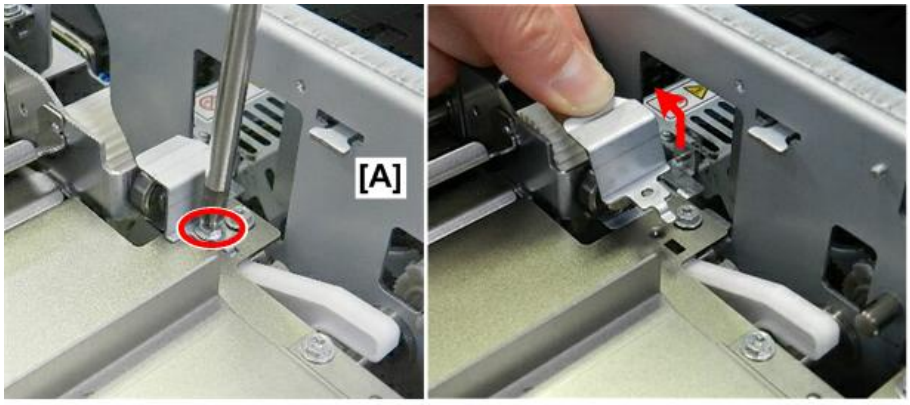
d1793570

9. At the front [A], remove the lock plate (x1).



d1793571

10. At the rear, remove the lock plate [A] (x1).

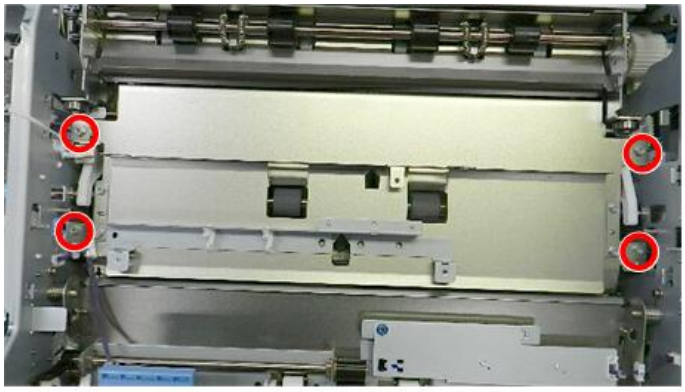


d1793572

11. Disconnect the harness near the handle (x1).

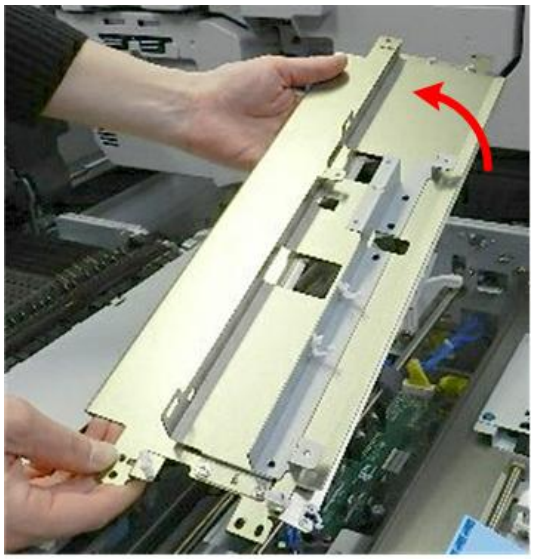
d1793573

12. Disconnect the cover plate (x4).



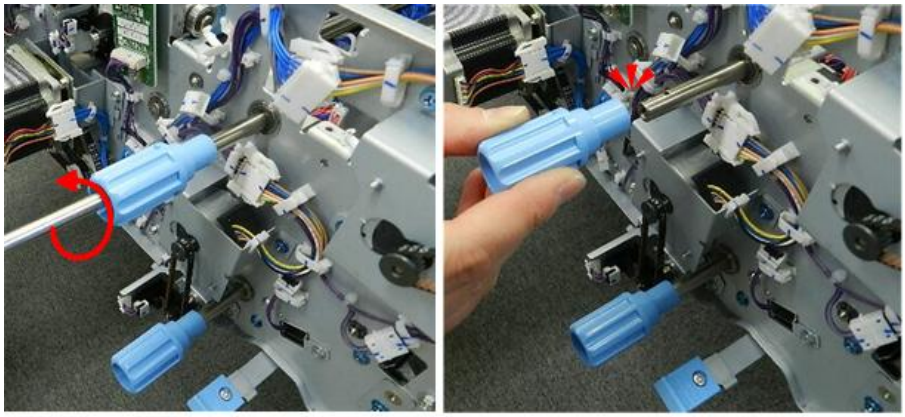
d1793574

13. Remove the cover plate.



d1793575

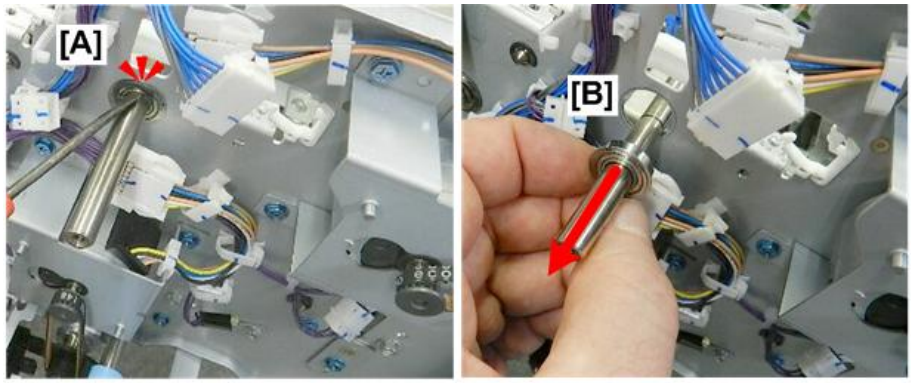
14. Remove the knob (x1).



d1793665

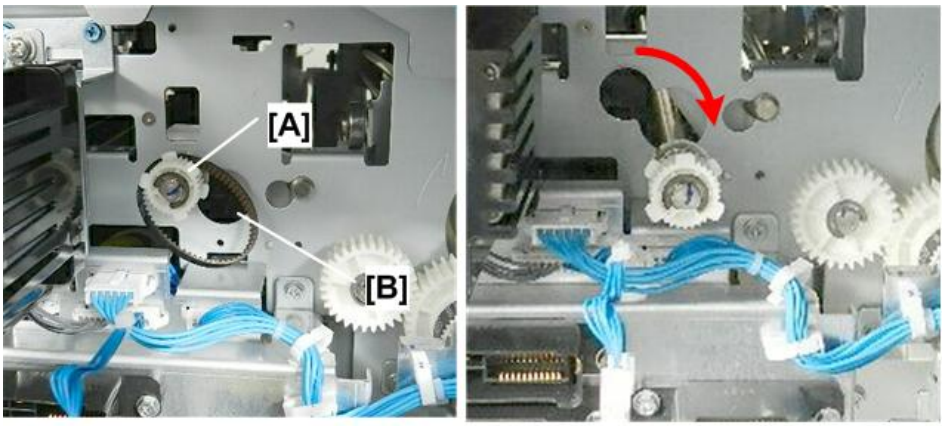
15. Disconnect the end of the roller shaft [A] and then remove the bearing [B] (x1, x1).

16. At the rear, remove the registration timing motor. (Registration Timing Motor)



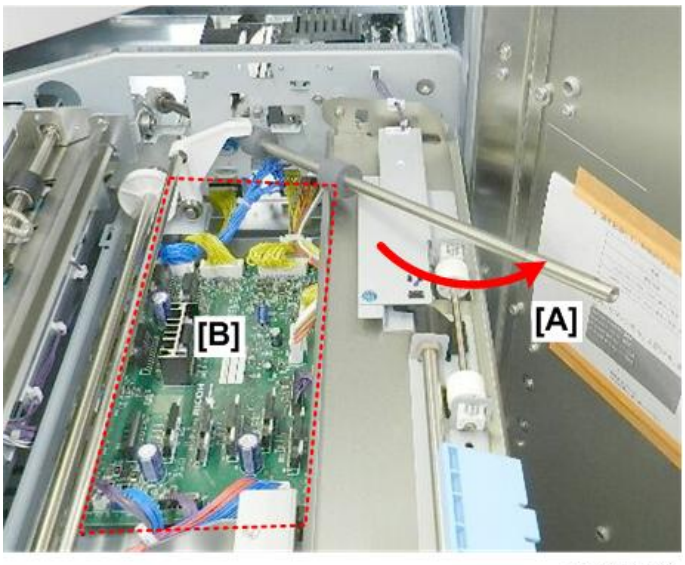
d1793666

17. Where the registration timing motor was removed, you can see the end of the roller shaft [A].
18. Move the end of the shaft down into the larger hole [B].



d1793667

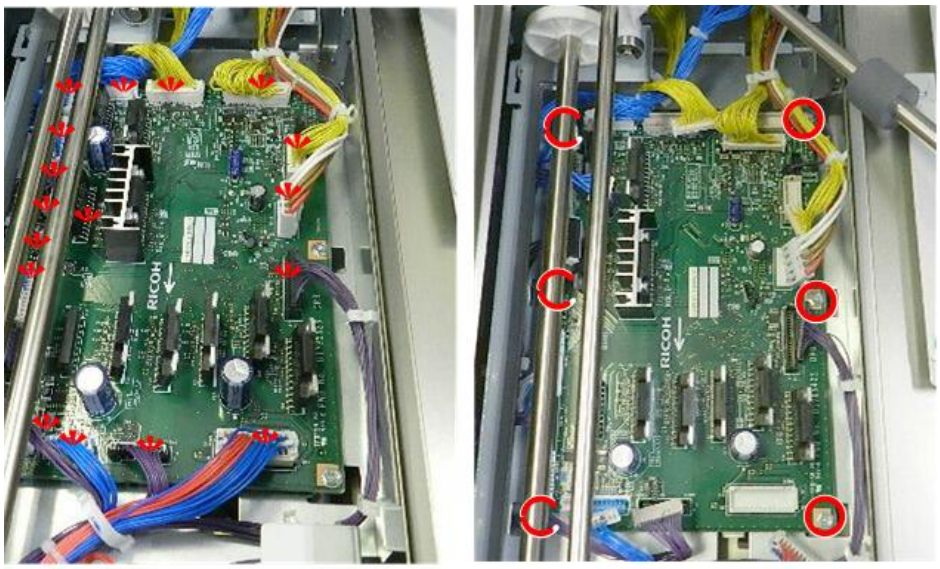
19. At the front, push the roller [A] aside. This makes it possible to access the following parts [B]:
    - DRB
    - TE shift unit motor
    - TE shift unit HP sensor



d1793668

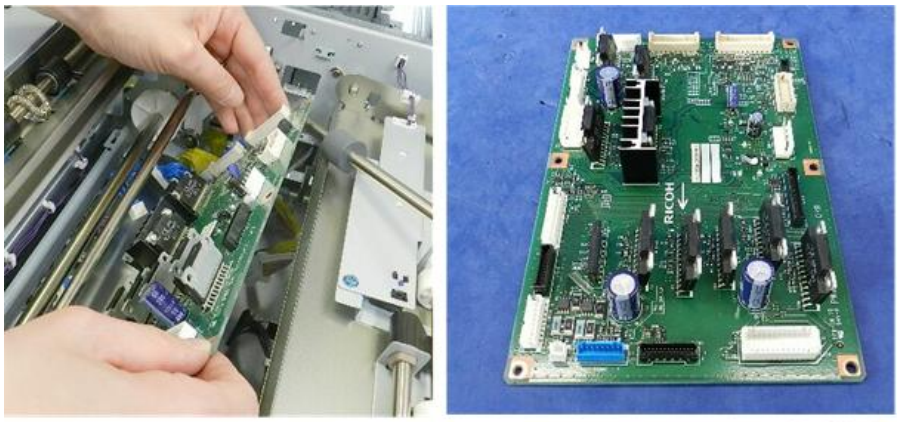
DRB

1. Disconnect the DRB (x18, x6)



d1793669

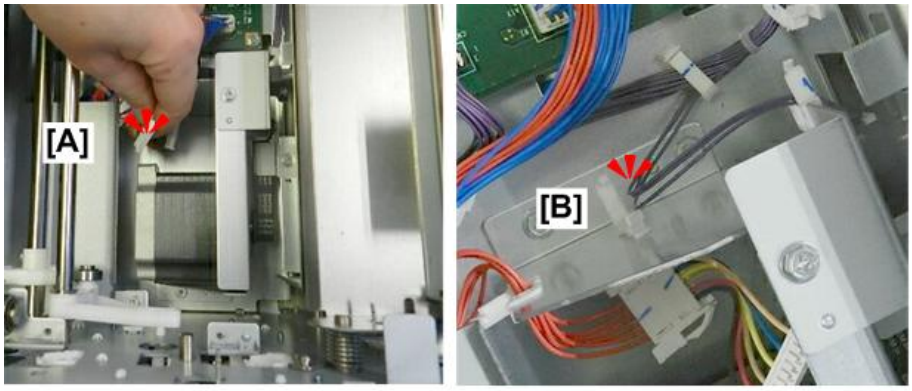
2. Remove the DRB.



d1793670

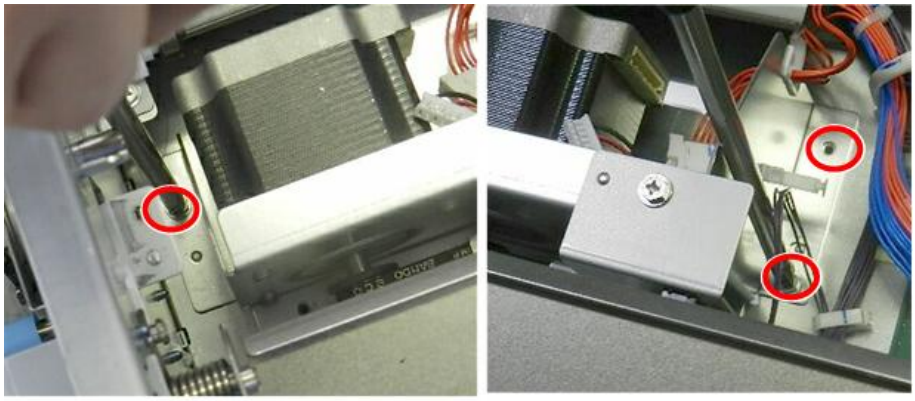
TE Shift Unit Motor

1. Disconnect the motor [A] (x1).
2. Disconnect the sensor harness [B] (x).



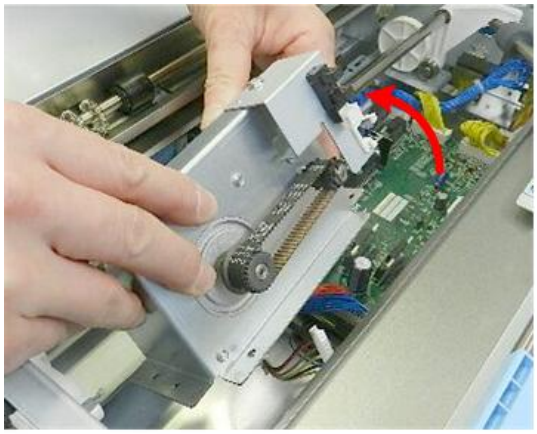
d1793671

3. Disconnect the motor bracket (x3).



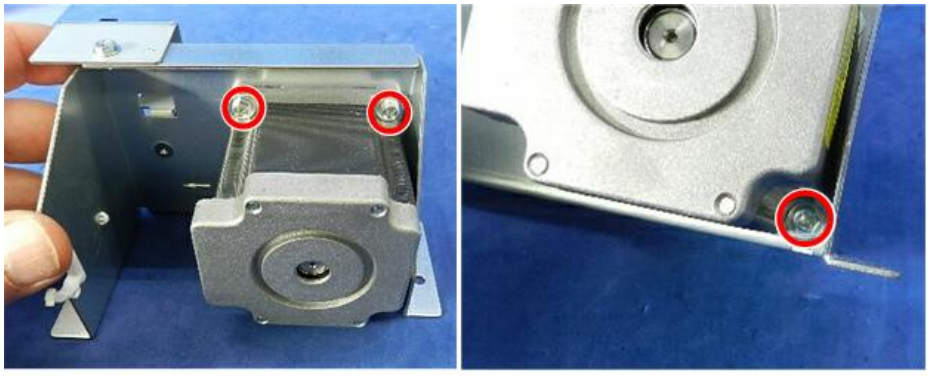
d1793672

4. Remove the motor bracket (with motor attached).



d1793673

5. Disconnect the motor (x1).



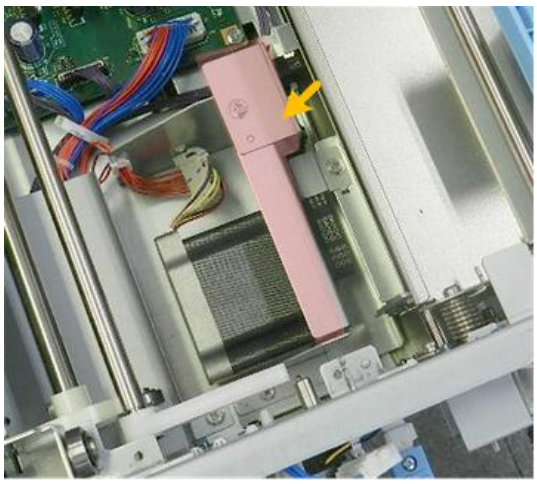
d1793674

6. Separate motor and bracket.

d1793675

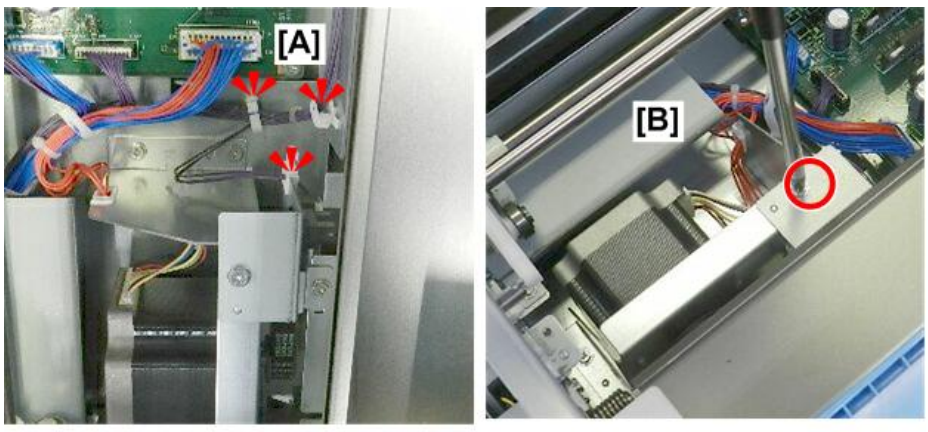
TE Shift Unit HP Sensor

1. The TE shift unit HP sensor is above the TE shift unit motor.



d1793676

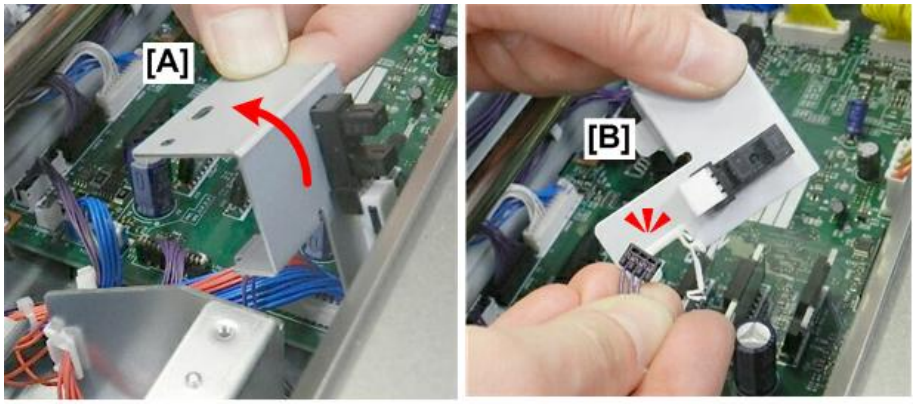
2. Disconnect the sensor harness [A] (x2, x1).
3. Disconnect the sensor bracket [B] (x1).



d1793677

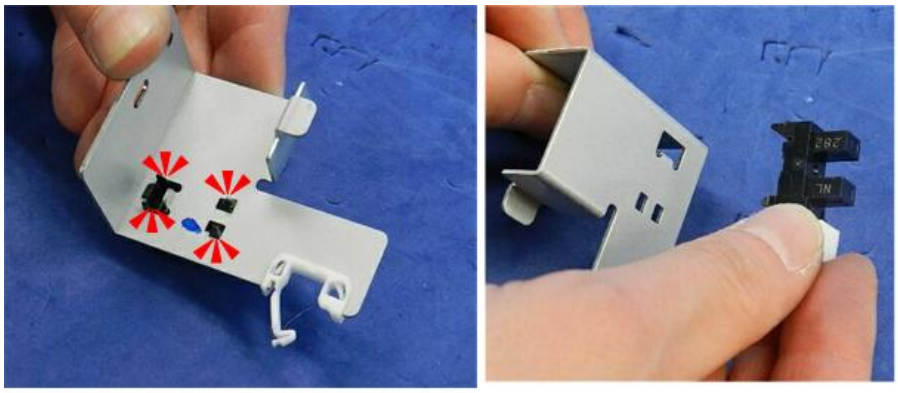
4. Pull up the sensor bracket [A] (with sensor still connected).

5. Disconnect the sensor [B] (x1).



d1793678

6. Remove the sensor (x4).



d1793679

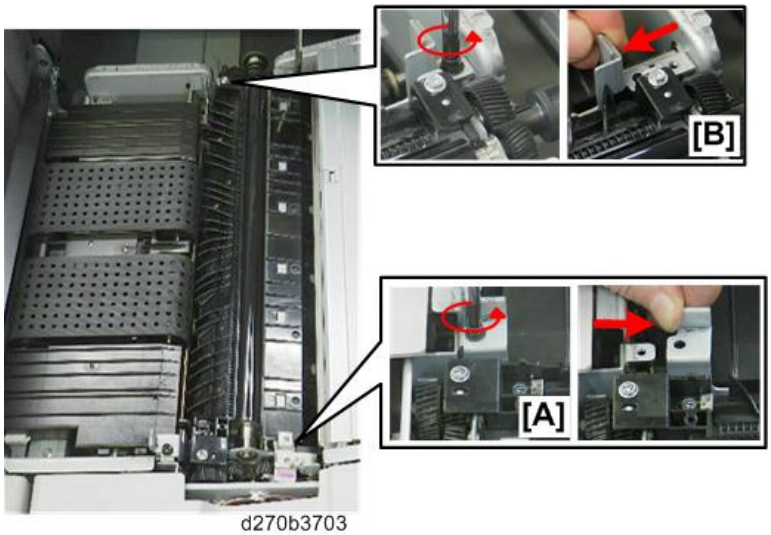
Paper Transfer Roller (PTR) Unit

PTR Unit Removal

1. Open both front doors
2. Pull out the drawer
3. At the front [A], disconnect the plate and push it to the rear (x1).
4. At the rear [B], disconnect the plate and push it to the front (x1).

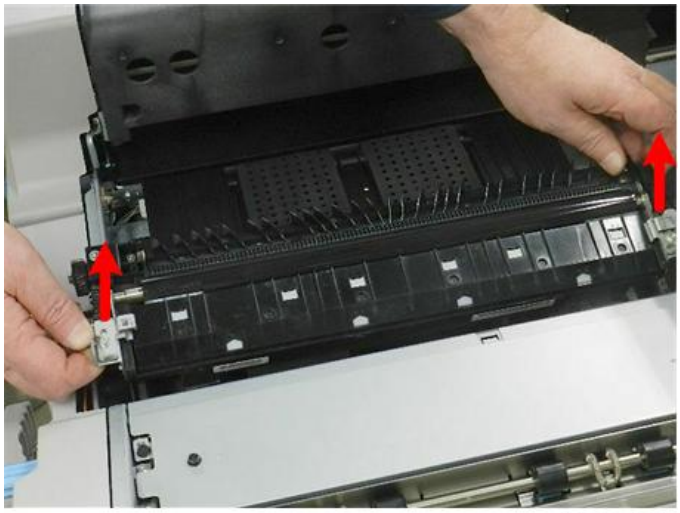
Important

- Both plates must be pushed toward the center as far as possible. If they are not, the unit cannot be removed.



d270b3703

5. Using the plates as handles, remove the PTR unit.


d1793704

6. Lay the PTR unit on a flat clean surface.

d1793705

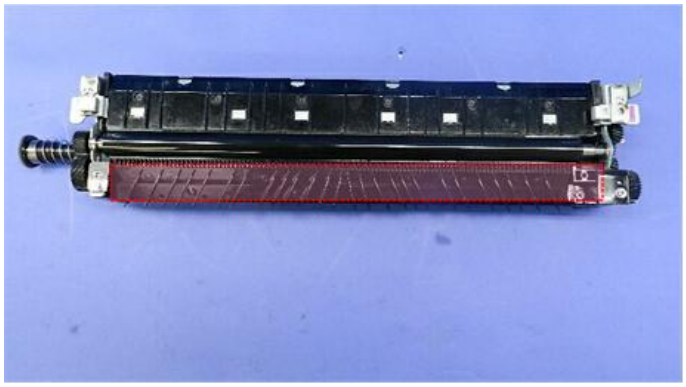
7. Before servicing the unit, place some paper or a drop cloth under the unit to catch stray toner and lubricant dust.

PTR Disassembly

1. Pull out the drawer
2. Remove the PTR unit (PTR Unit Removal)
3. Follow the steps below in order to disassemble the PTR unit.

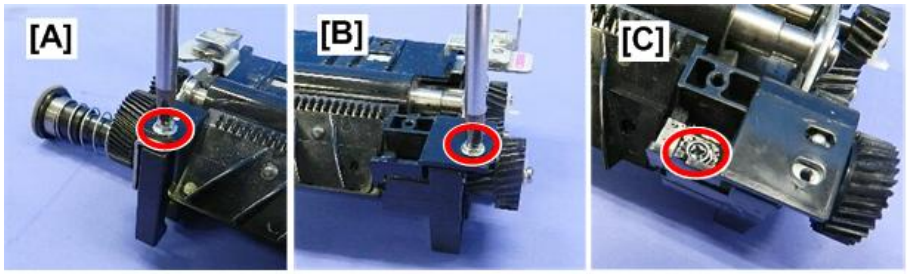
Separation Plate

1. The separation plate is on the left side of the PTR unit.



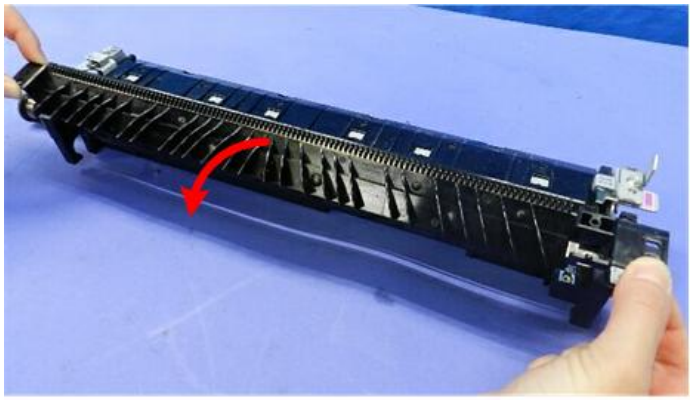
d1793710

2. Disconnect the separation plate at the rear ([A]) and at the front ([B] and [C]) (x3).



d1793711

3. Remove the separation plate.



d1793712

Entrance Guide Plate

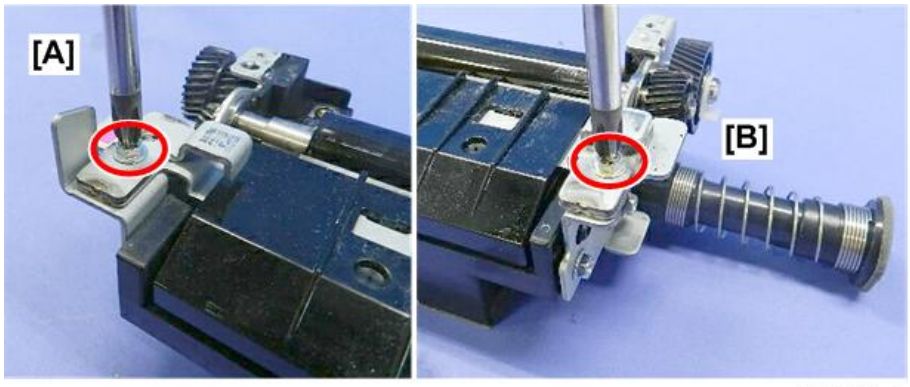
1. The entrance guide plate is on the right side of the PTR unit.

d1793713

2. Disconnect:

   [A] Front (x1)

   [B] Rear (x1)



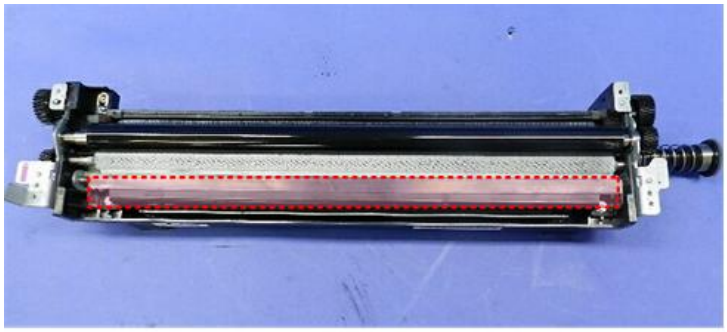
d1793714

3. Remove the entrance guide plate.

d1793715

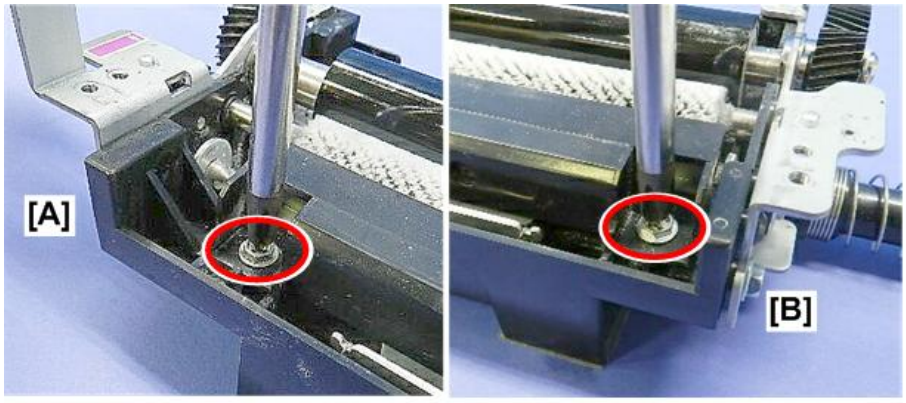
Lubricant Bar

1. The lubricant bar is on the right.



d1793716

2. Disconnect:
   [A] Front (x1)
   [B] Rear (x1)



d1793717

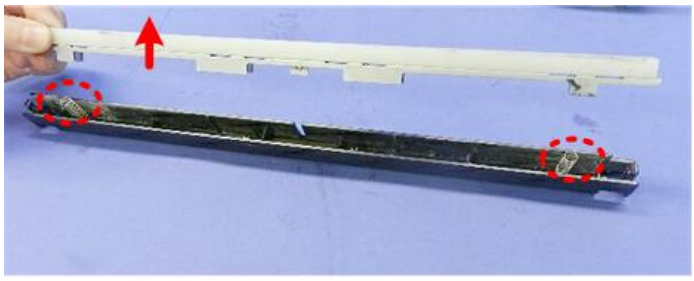
3. Remove the lubricant bar bracket (with bar attached).

d1793718

4. Open the releases on each end of the bracket to release the bar from the bracket (☚x1).

d1793719

5. Separate the bar and bracket.



d1793720

Important

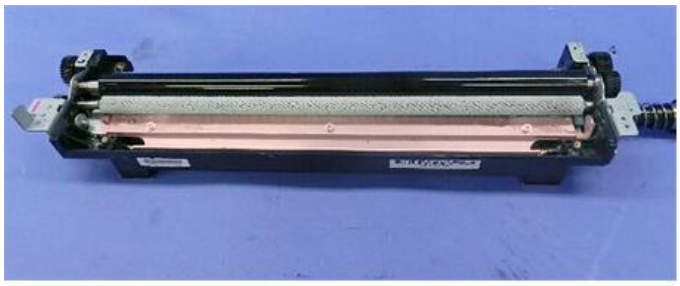
- Do not lose the springs inside the bracket.

Cleaning Blade

Important

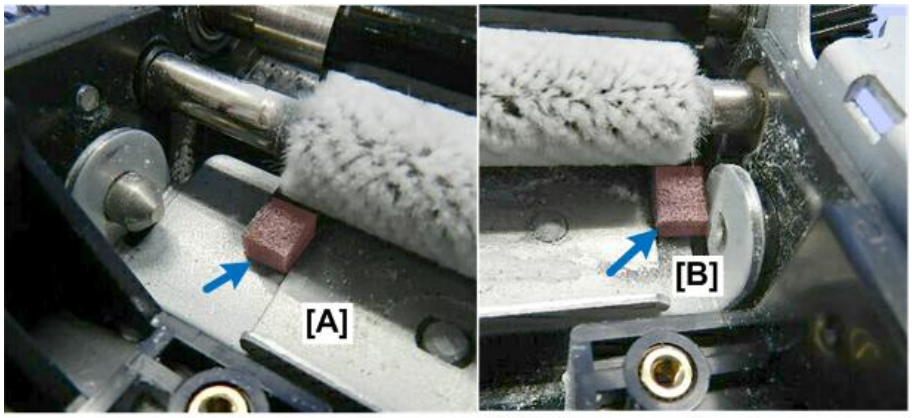
- The following three items are always replaced as a set: lubricant bar, cleaning blade, and lubricant brush roller.

1. The cleaning blade is on the right side of the unit.



d1793721

2. Before you remove the blade, note the locations of the sponge seals [A] and [B] below each end of the roller.



d1793722

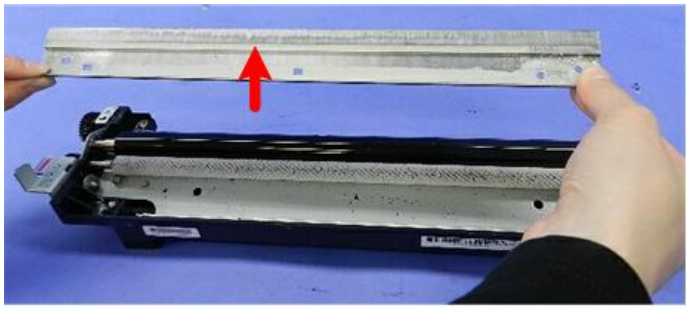
Important

- These sponges are delicate and tear easily.
- Work carefully when during blade removal to avoid damaging these seals. The seals cannot be replaced in the field.

3. Disconnect the cleaning blade (x3).

d1793723

4. Remove the cleaning blade.



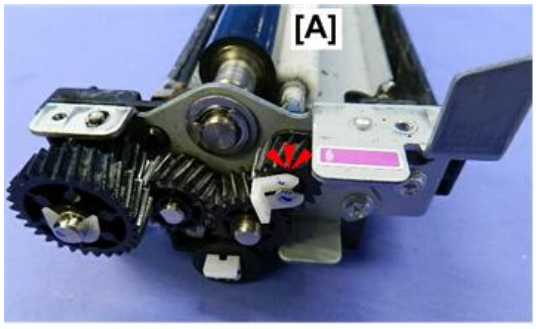
d1793724

Lubricant Roller

Important

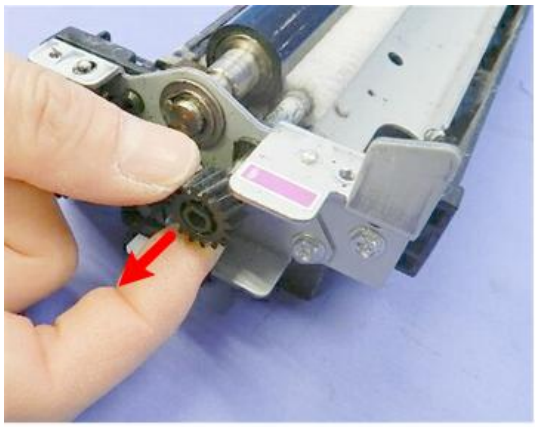
- The following three items are always replaced as a set: lubricant bar, cleaning blade, and lubricant brush roller.

1. At the front, disconnect the end of the lubricant roller [A] (x1).



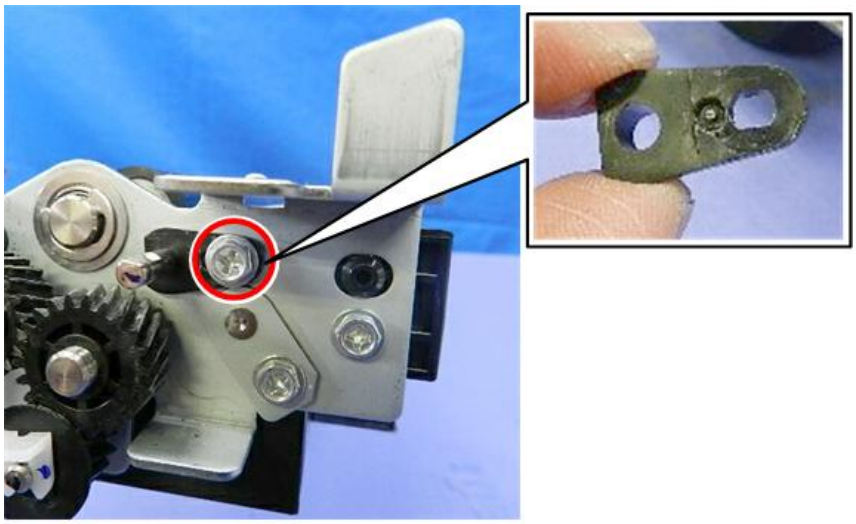
d1793725

2. Remove the gear from the tip of the roller.



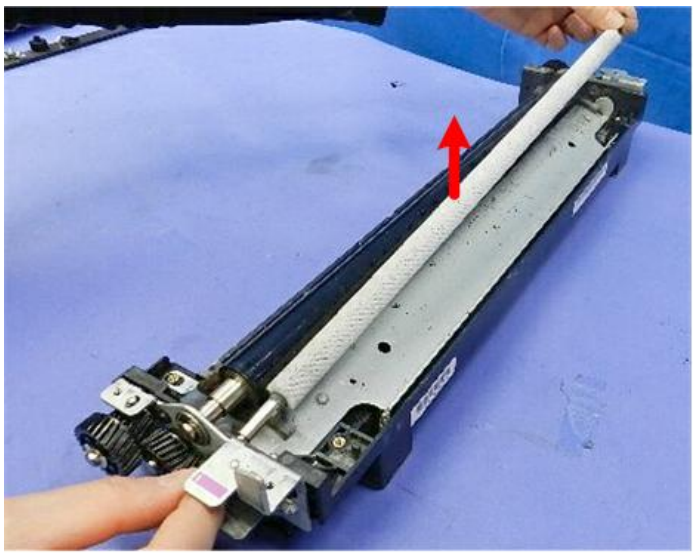
d1793726

3. Remove the lock plate (x1).



d1793727

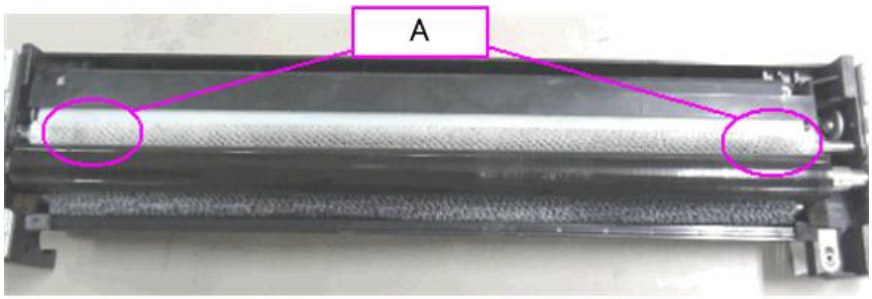
4. Remove the lubricant roller.



d1793728

Re-installation

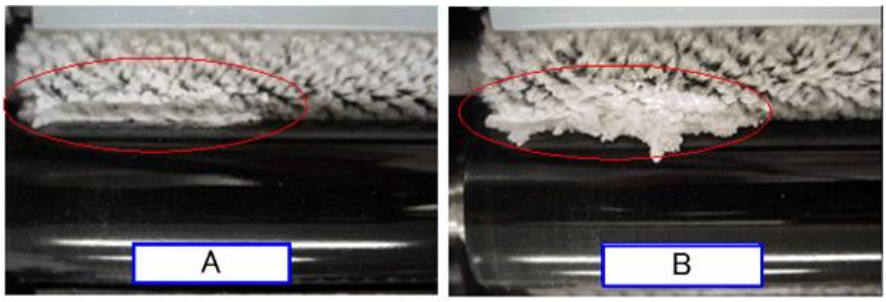
1. Before replacing the lubricant brush roller, apply setting powder to both ends of the roller [A] (about 30 mm or 1 in. from each end). This prevents the roller from catching on the blade.



d1793757

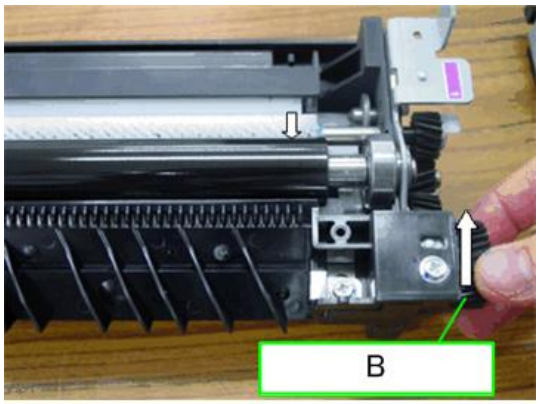
Note

- [A] shows the minimum amount applied and [B] the maximum amount applied.



d173763

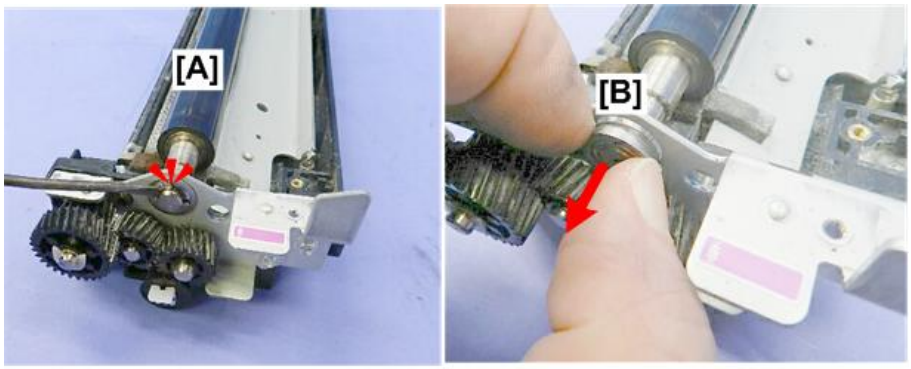
2. Turn gear [B] in the direction of the arrow 3 to 5 times to spread the powder evenly.



d1793758

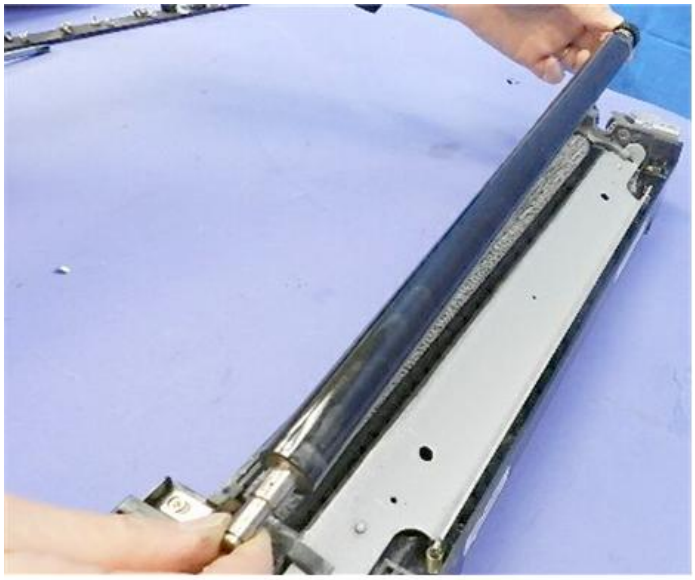
Paper Transfer Roller (PTR)

1. At the front [A], disconnect the end of the PTR [B] (x1, x1).



d1793729

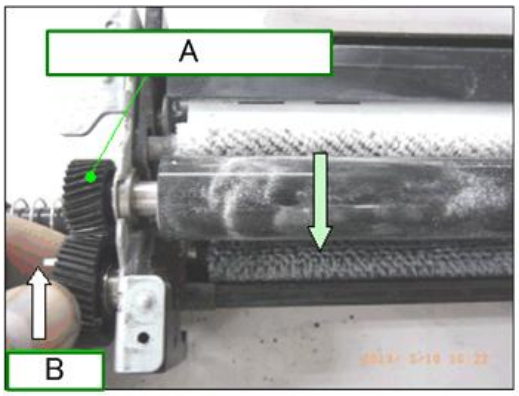
2. Remove the PTR.



d1793730

Re-installation

1. When replacing the PTR, turn gear [A] while applying setting powder to the surface of the roller [B]. This prevents the roller from catching on the blade.

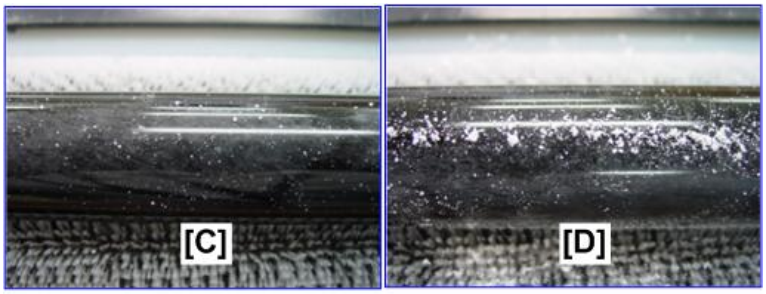


d1793760

2. Cover the entire surface of the roller.

Note

- [C] shows the minimum amount applied and [D] the maximum amount applied.



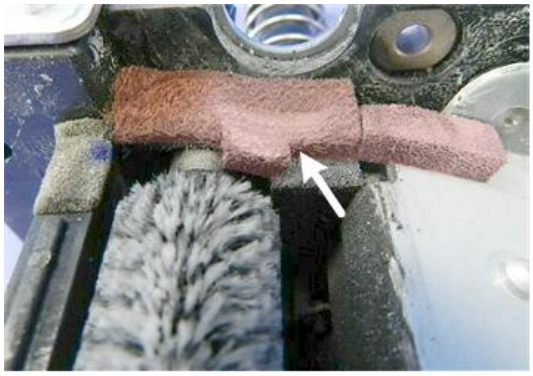
d1793764

Cleaning Roller

1. Once again, note the position of the sponge seals at each end of the cleaning roller.

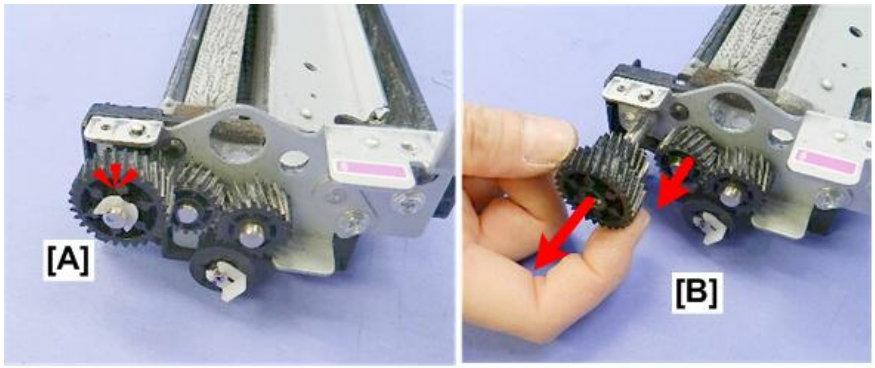
Important

- Work carefully to avoid damaging these seals. They cannot be replaced in the field.



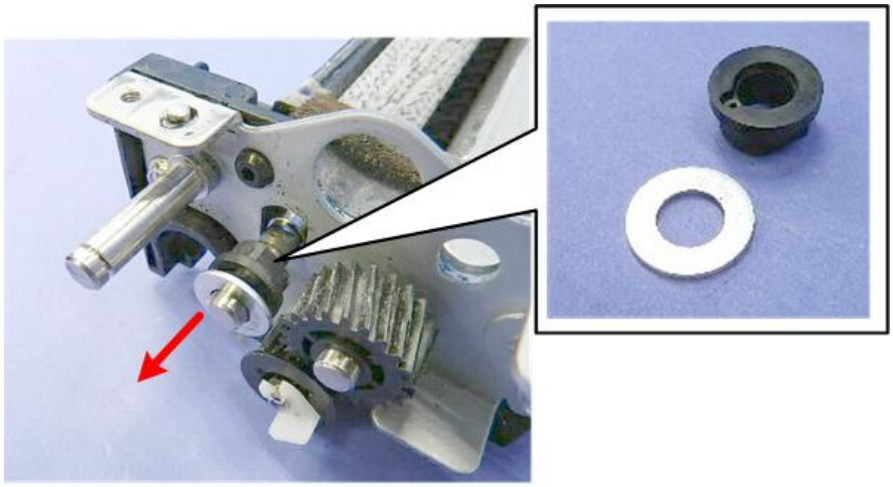
d1793731

2. At the front, disconnect the tip of gear [A] (x1)
3. Remove gears [B] (x2).



d1793732

4. Remove the bushing and the washer.



d1793733

5. Be sure to lubricate the following parts before you re-install the PTR unit in the machine.

6. This bushing and washer require lubrication with Barrierta S552R.

Note

- In the steps below, the left photo illustrates the minimum amount applied, and the right photo the maximum amount applied.

7. First, lubricate the sleeve of the bushing with 0.02 to 0.04 g of grease.

Note

- The grease in the foreground illustrates the total amount to be applied to the entire bushing, not just the sleeve.

d1793753

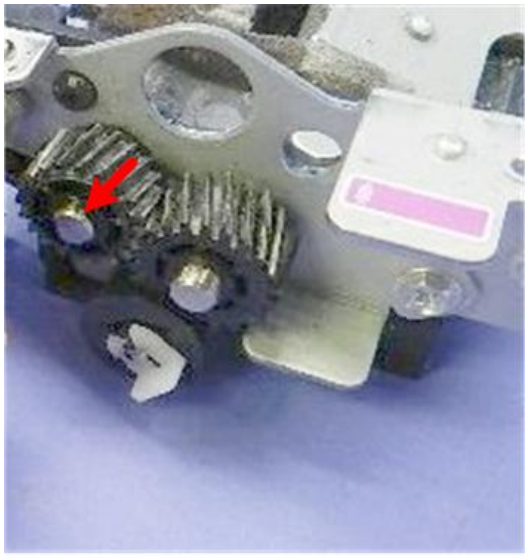
8. Next, apply grease to the face of the bushing flange.

d1793754

9. Finally, apply grease to the washer.

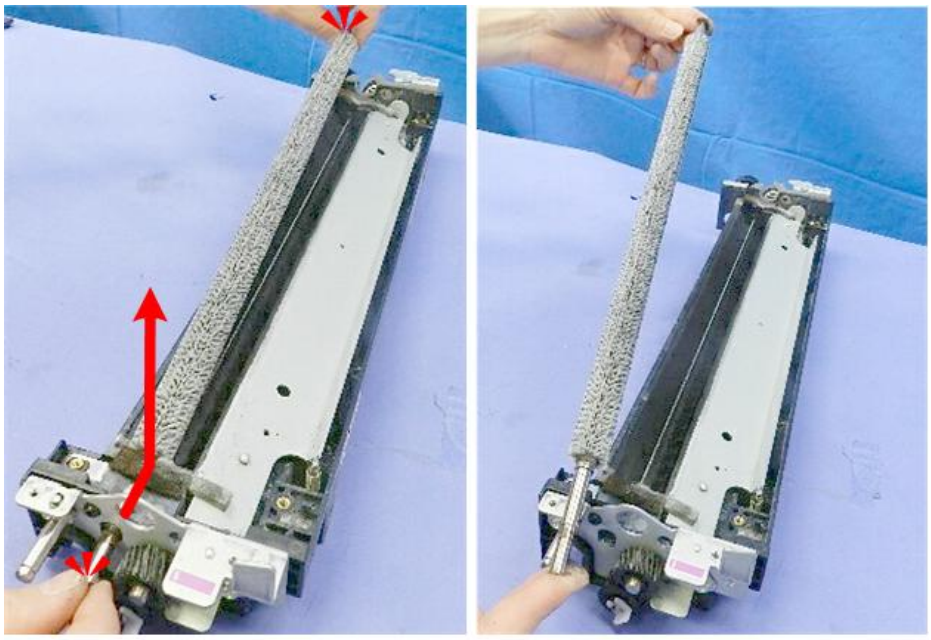
d1793755

10. After setting the washer and bushing on the shaft, apply a small amount of grease to the tip of the shaft.



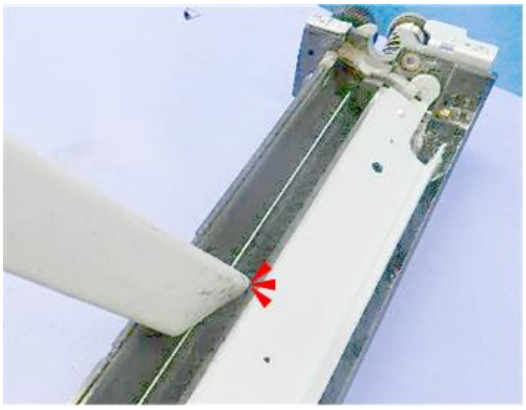
d1793756

11. Remove the cleaning roller.



d1793734

12. After removing the cleaning roller, you can vacuum inside the PTR unit.



d1793735

After Parts Replacement

1. Re-assemble the machine and make sure that the machine is off.
2. Open the left and right front door of the machine.
3. Turn the machine on.
4. Enter the SP mode.
5. Do these SP codes to reset the counters for the following items:

Item	SP Code
PTR Unit	7621-026
PTR Cleaning Blade	7621-027
PTR Lubricant Bar	7621-028
Paper Transfer Discharge Unit	7621-029
Paper Transfer Roller (PTR)	7621-030

6. Close the left and right front doors.
7. Process control executes automatically.
8. After process control executes, the operation panel will display “Ready”.
   - If process control fails, you will see “Fail” appear on the operation panel, and then the machine will issue an SC code.
   - Do the procedure recommended to resolve the problem that triggered the SC code.
   - You must then execute SP3011-002 to execute process control manually because it will not execute again automatically.
9. This completes the procedure.

   Do SP3012-001 to confirm that process control executed successfully.

Notes about Lubrication

- The cleaning blade, lubricant roller, and lubricant bar are always replaced together.
- Setting powder (zinc stearate) is applied to the cleaning blade at the factory.
- Lubricant roller: When the set of parts is replaced, setting powder must be applied at the PTR roller nip on

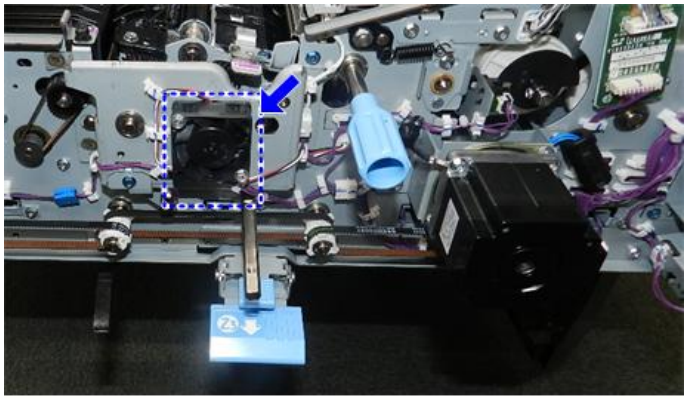
both ends of the roller while the PTR is rotated.

- Paper transfer roller (PTR): When the paper transfer roller (PTR) is replaced, the entire surface of the roller must be dusted with setting powder while the PTR is rotated.

Fans

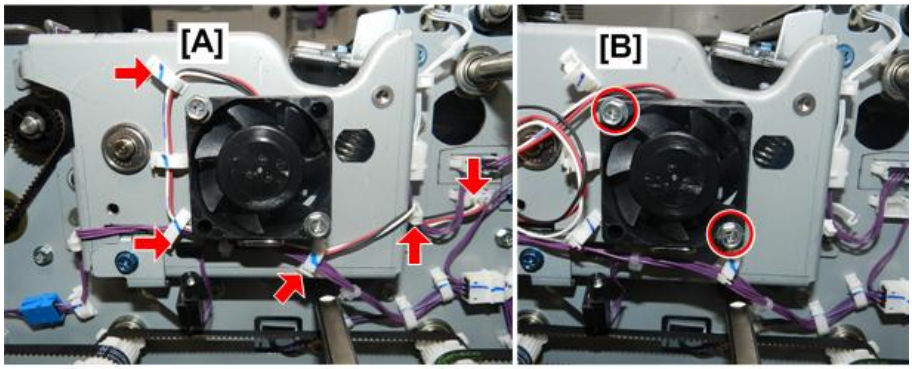
PTR Fan (Front)

1. Pull out the drawer
2. Remove the drawer right cover
3. The front fan can be accessed without removing the PTR unit.



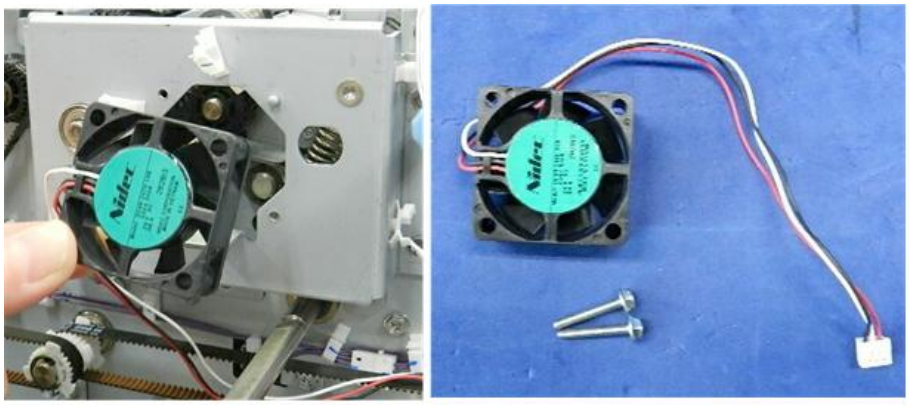
d270b3736

4. Disconnect the fan [A] (x5, x1).
5. Disconnect the fan bracket [B] (x2).



d270b3737

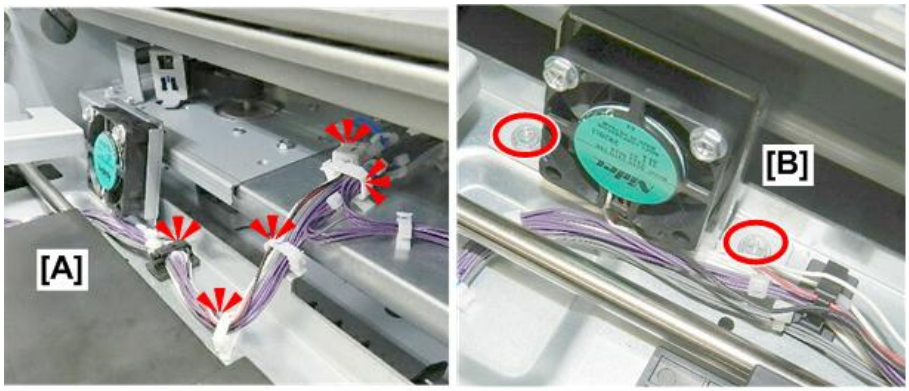
6. Remove the fan.



d1793738

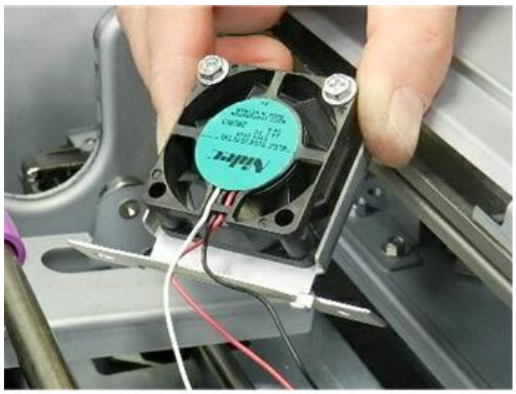
PTR Fan (Rear)

1. Pull out the drawer
2. Remove the drawer right cover
3. Remove the PTR unit (PTR Unit Removal)
4. Disconnect the fan harness [A] and the motor bracket [B] (x4, x1).



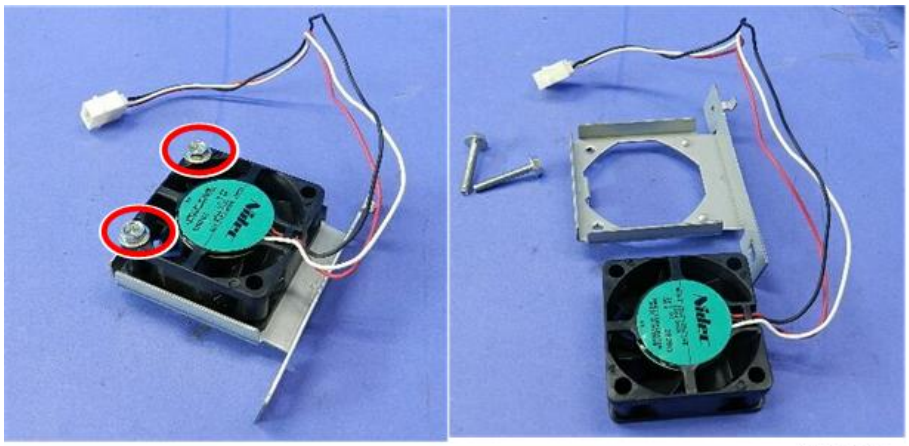
d1793739

5. Remove the fan.



d1793740

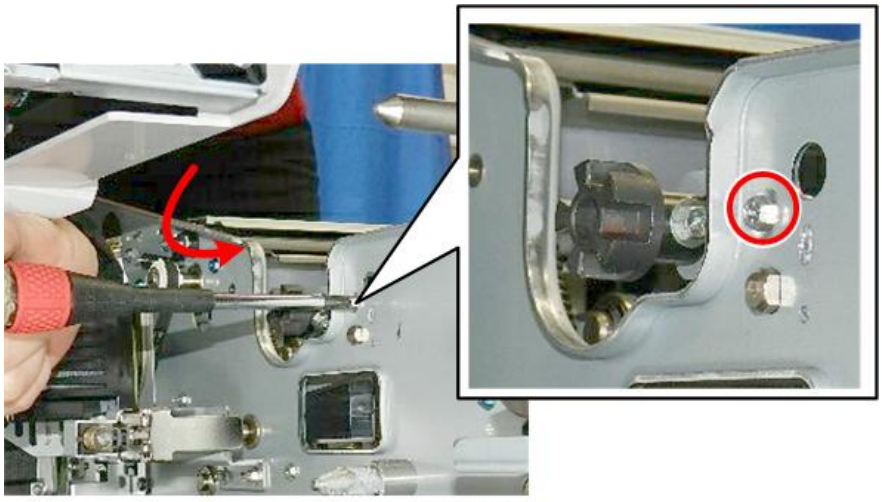
6. Separate the fan from the bracket (x2).



d1793741

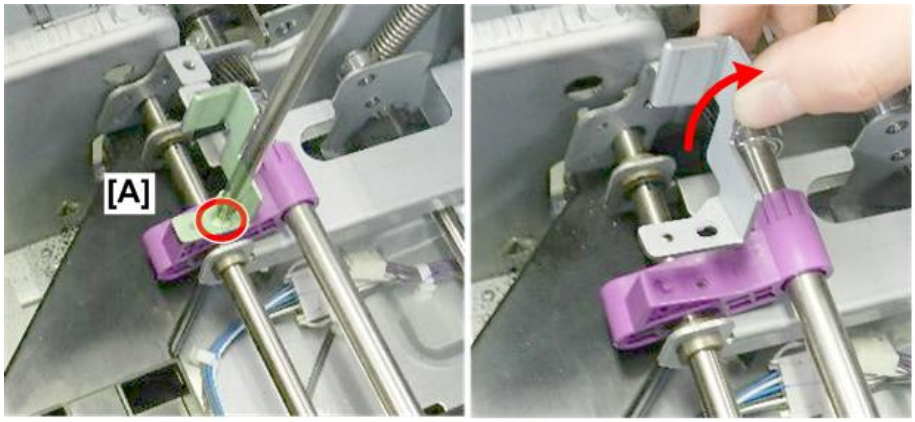
Paper Separation Power Pack

1. Remove the PTR unit (PTR Unit Removal)
2. Remove the PTB unit (PTB Unit Removal)
3. Reach into the machine at the back frame of the drawer, and then remove the screw.



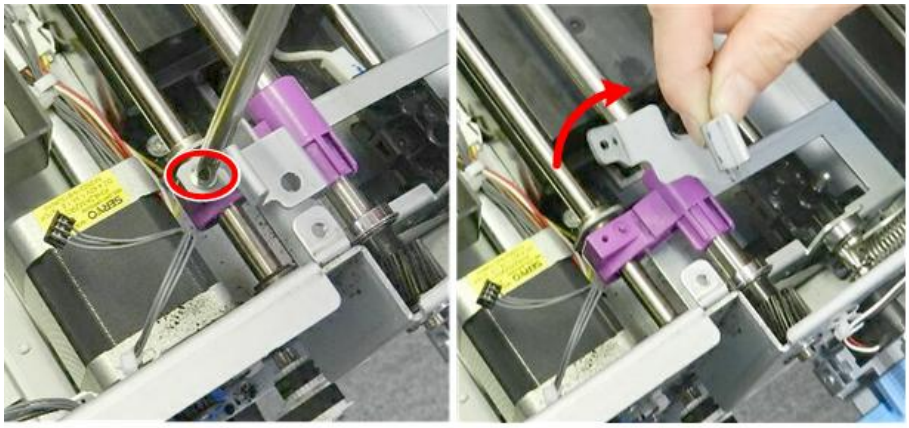
d1793742

4. At the rear of the open drawer [A], remove the bracket (x1).



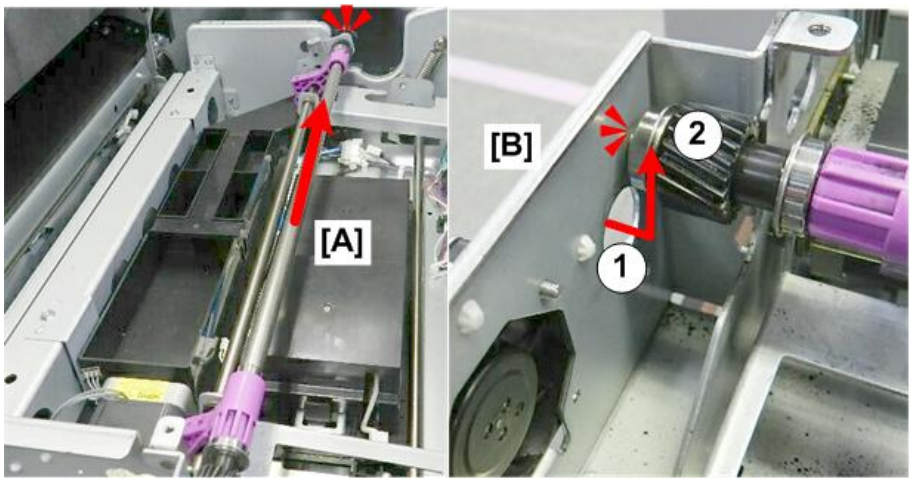
d1793743

5. At the front of the drawer, remove the bracket (x1).



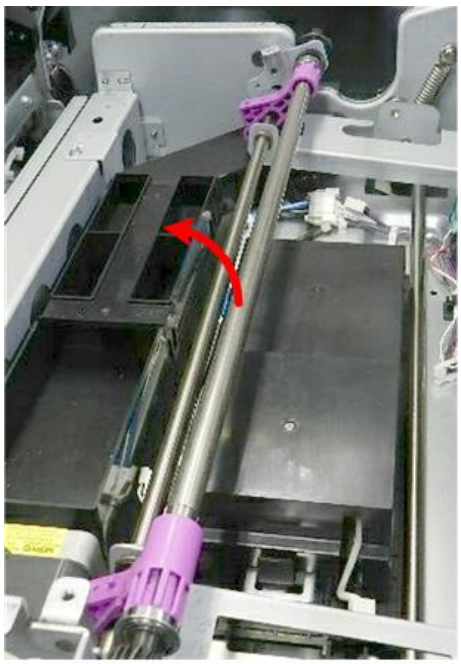
d1793744

6. While pushing the roller [A] as far to the rear as possible, pull the front end of the shaft ① through the hole and then pull up the end of the roller ② against the back of the plate [B].



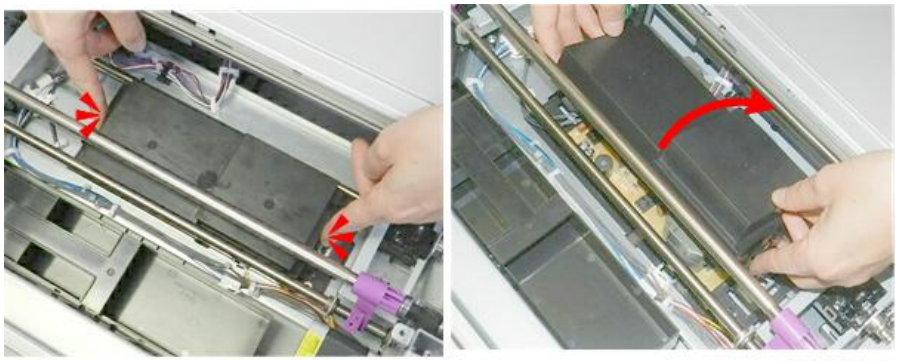
d1793745

7. Make sure that the roller is raised high as possible.



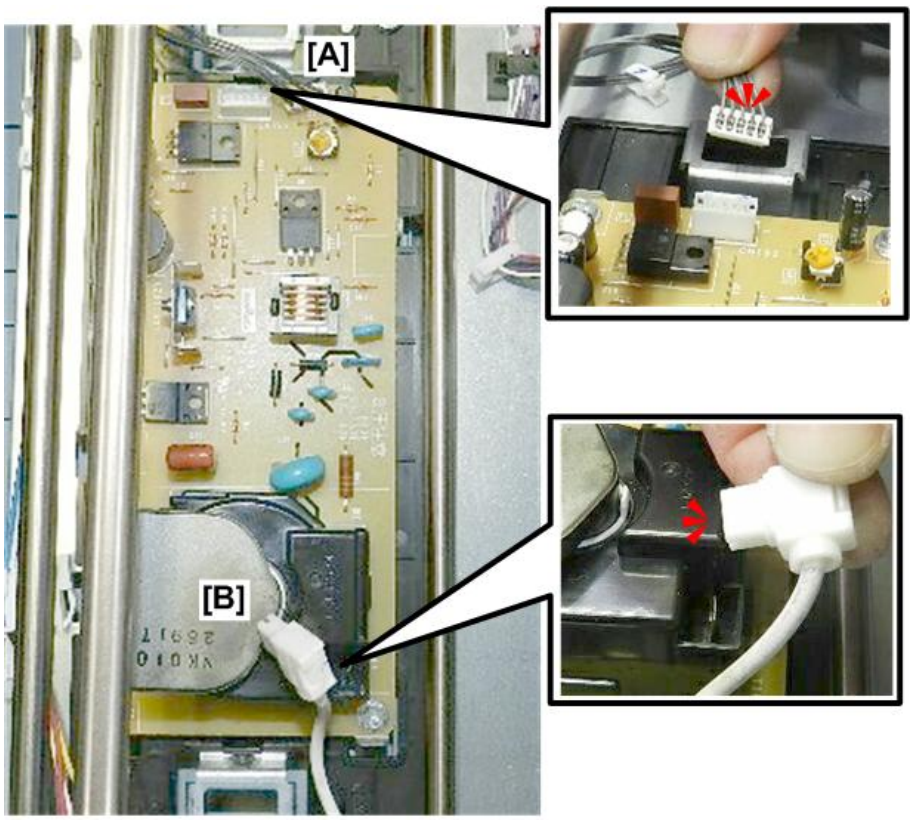
d1793746

8. Depress tab releases on both sides of the board cover, and then remove the cover.



d1793747

9. Disconnect the board at:
   [A] Rear (x1)
   [B] Front (x1)

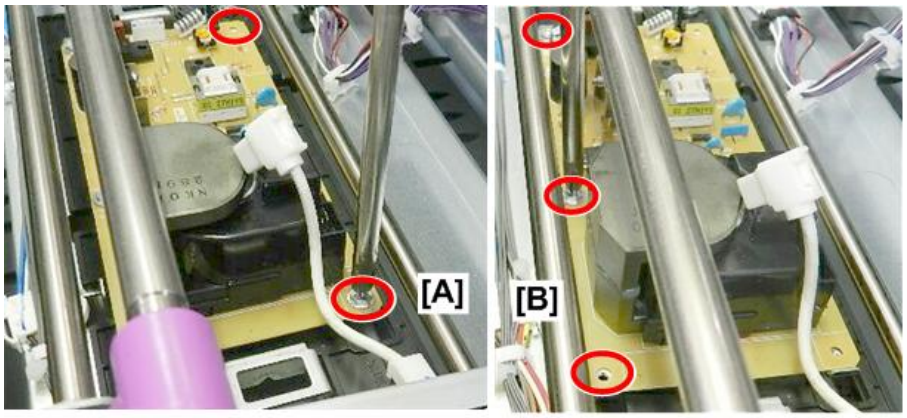


d1793748

10. Disconnect the board:

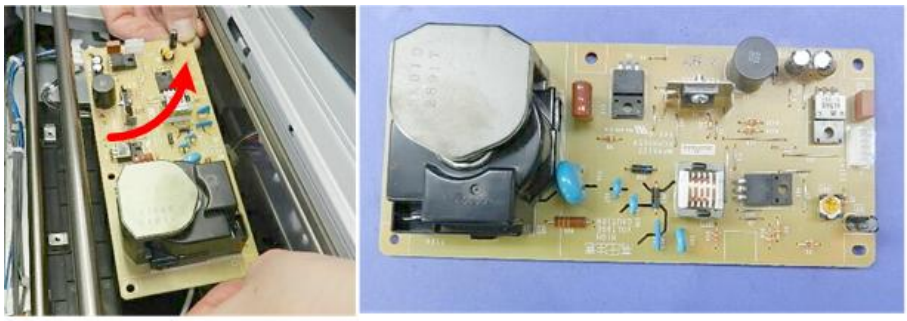
    [A] Right (x2)

    [B] Left (x3)



d1793749

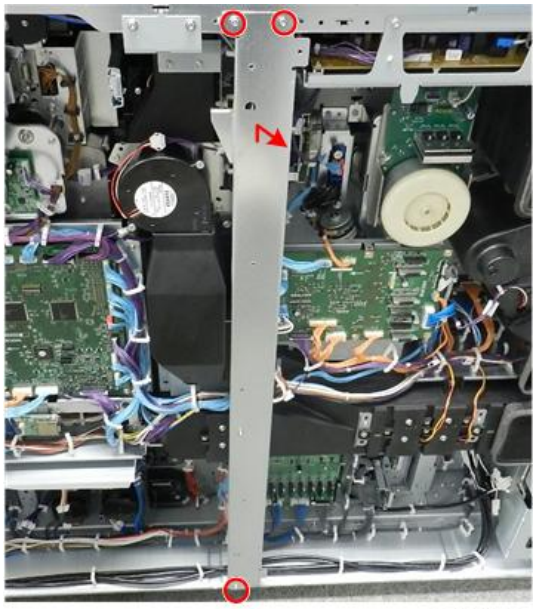
11. Remove the board.



d1793750

ITB/PTR Cleaning Motor

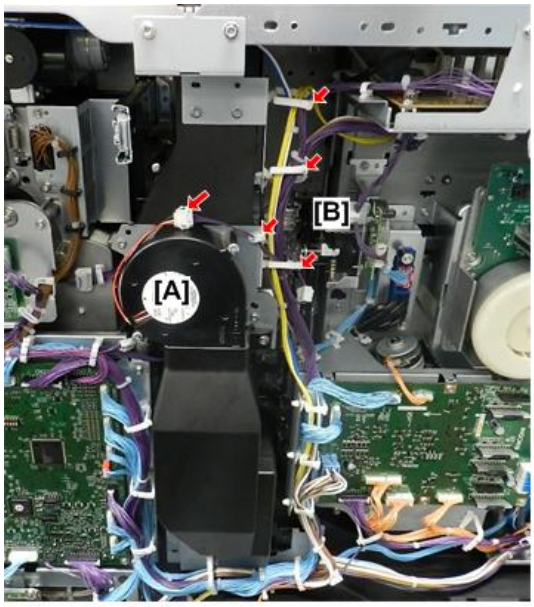
1. Open the front doors, and then pull out the drawer.
2. Remove the rear cover. (Rear Cover)
3. Open the controller box (Opening the Controller Box)
4. Remove the vertical stay (x3).



d270b4238

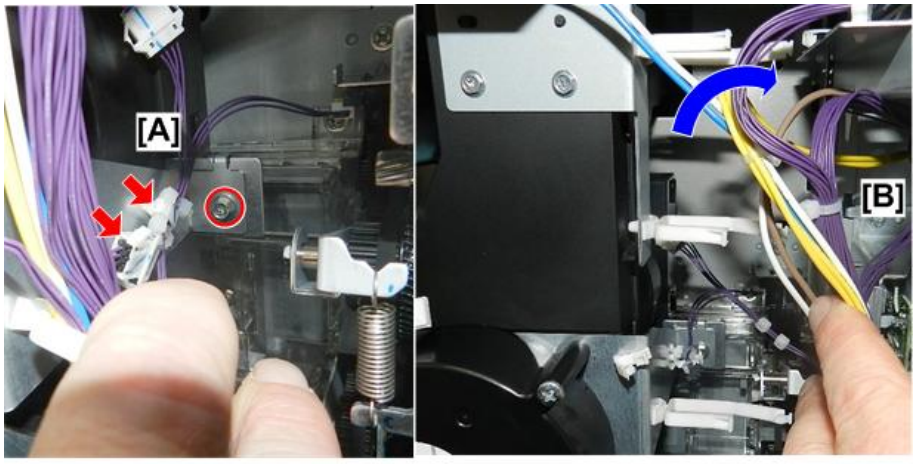
5. Disconnect the motor harness [A] (x1, x1).

6. Open the clamps [B] (x3).



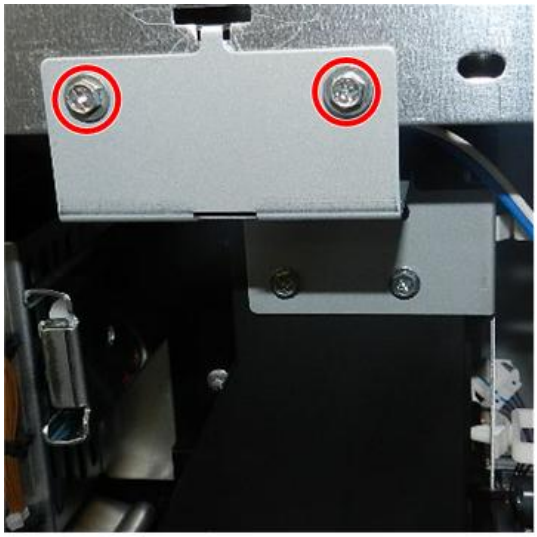
d270b4239

7. Inside the machine, disconnect and free the harness, and then disconnect the motor bracket [A] (x1, x1, x1).
8. Carefully, pull the harnesses [B] away from the side of the duct.



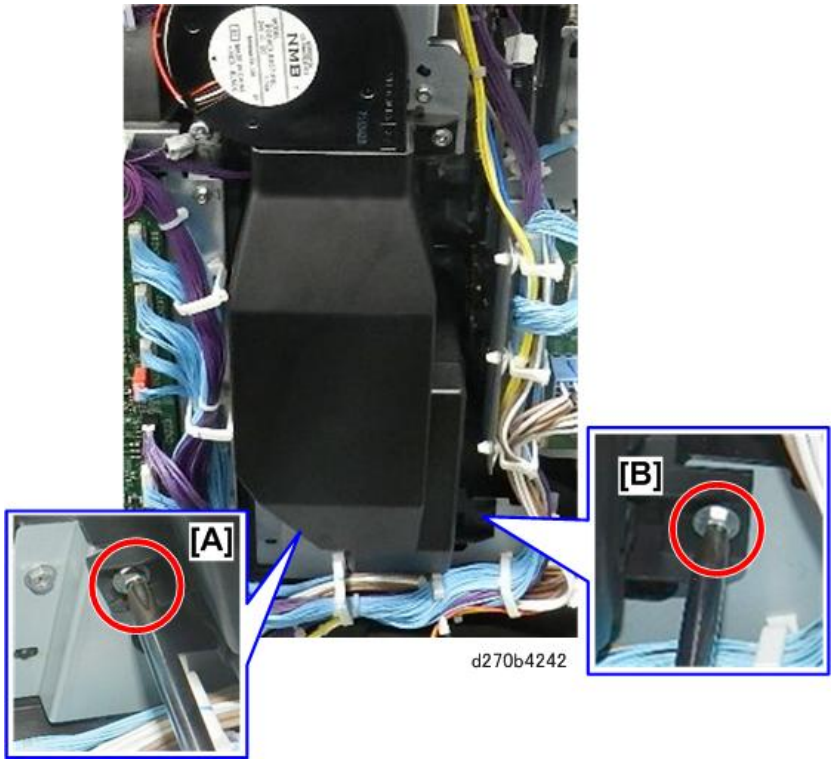
d270b4240

9. Disconnect the top of the duct bracket x2).



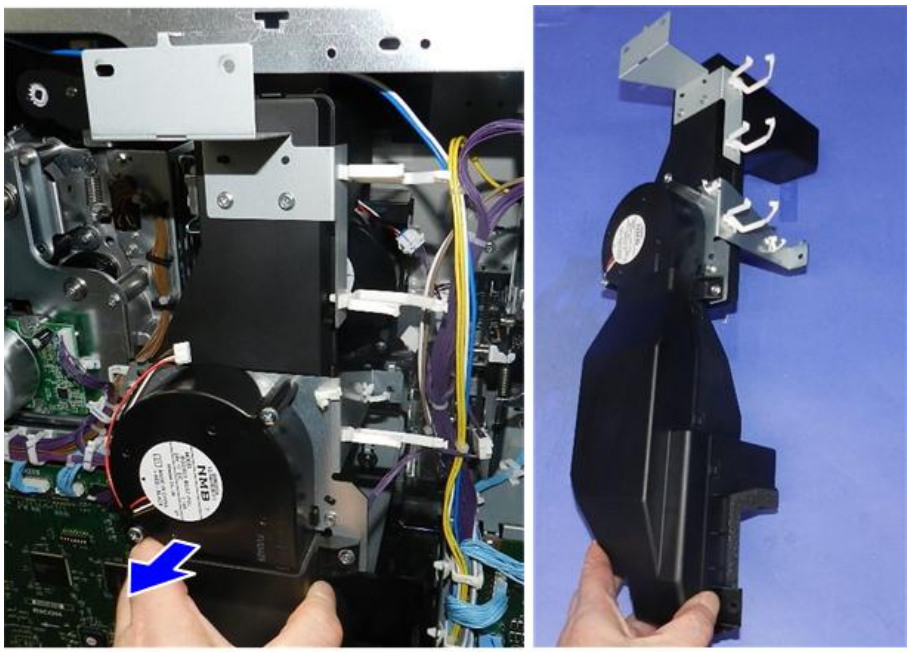
d270b4241

10. Disconnect the bottom of the duct at the left corner [A] and the right corner [B] x2).



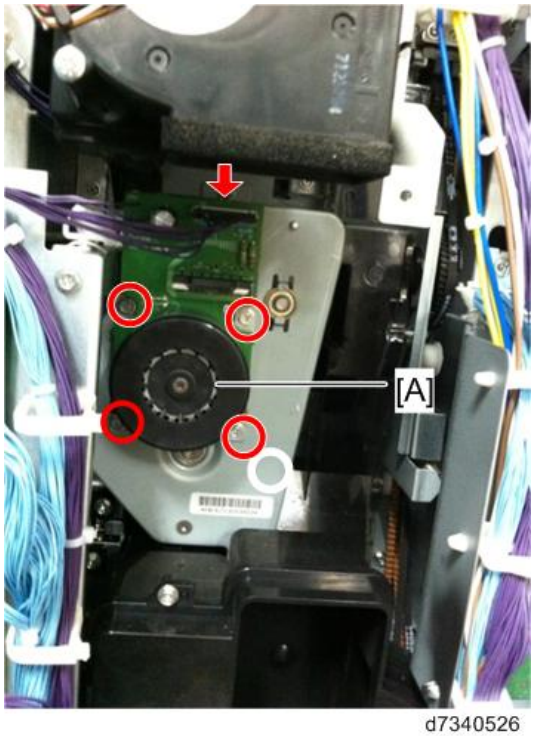
d270b4242

11. Remove the vertical duct.



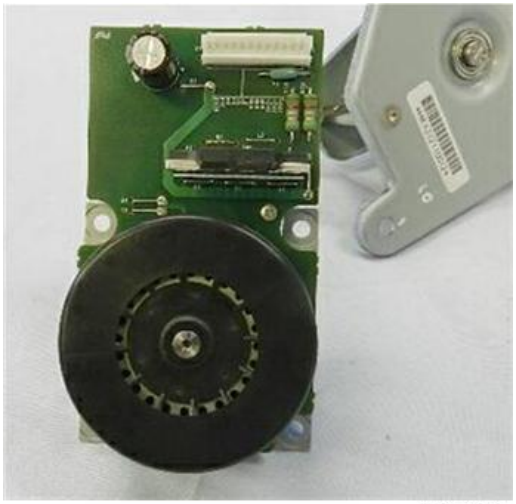
d270b4243

12. Disconnect the motor [A] (x4, x1).



d7340526

13. Separate the motor and bracket.

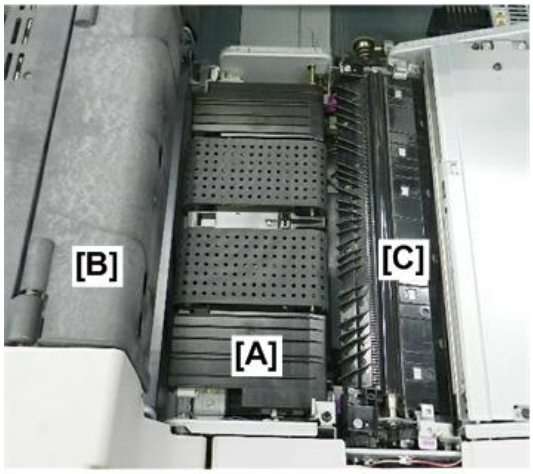


d7340527

Paper Transport Belt (PTB) Unit

PTB Unit Removal

1. Open both doors
2. Pull out the drawer
3. The PTB (Paper Transport Belt) unit [A] is between the fusing unit [B] and the PTR unit [C].

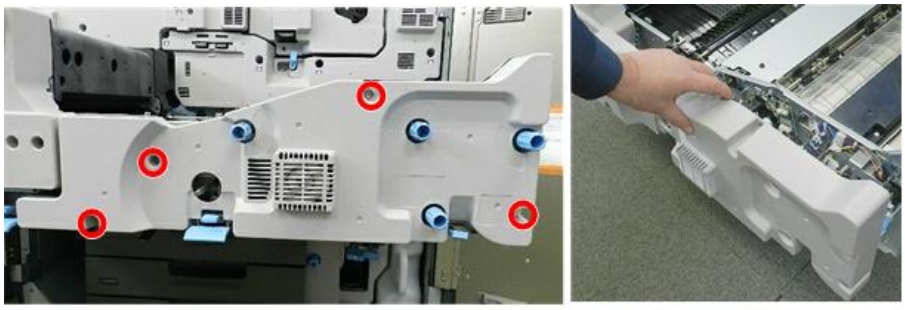


d1793601

4. Remove handle C1 from the front of the drawer (x1).

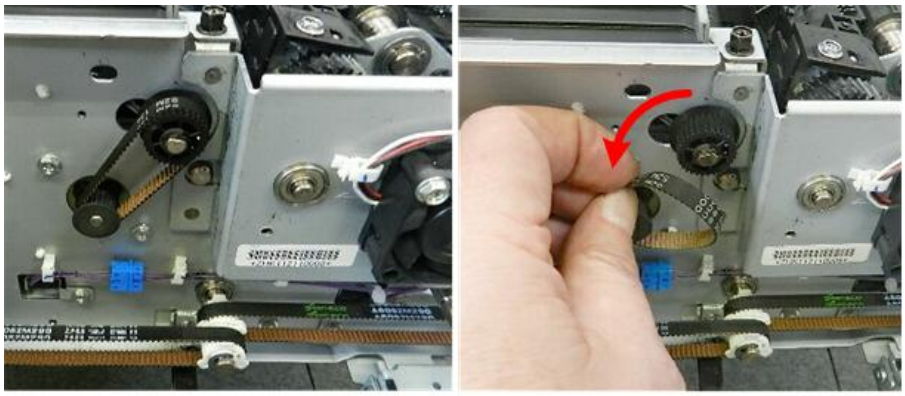
d1793602

5. Remove the right front cover of the drawer (x4).



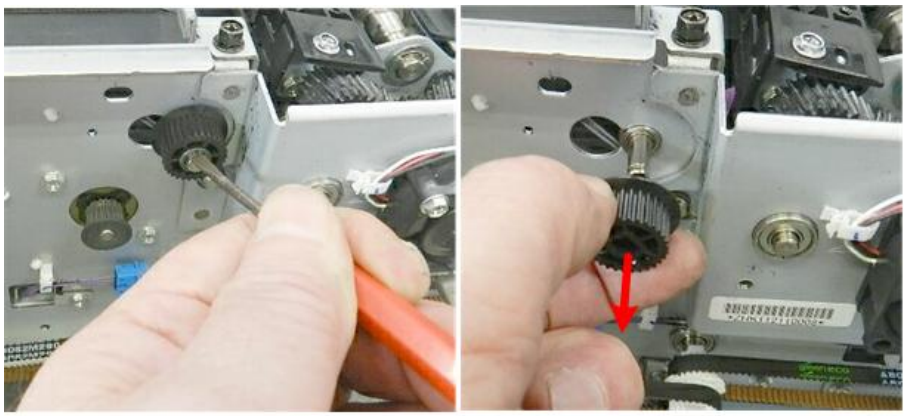
d1793603

6. Remove the timing belt (x1).



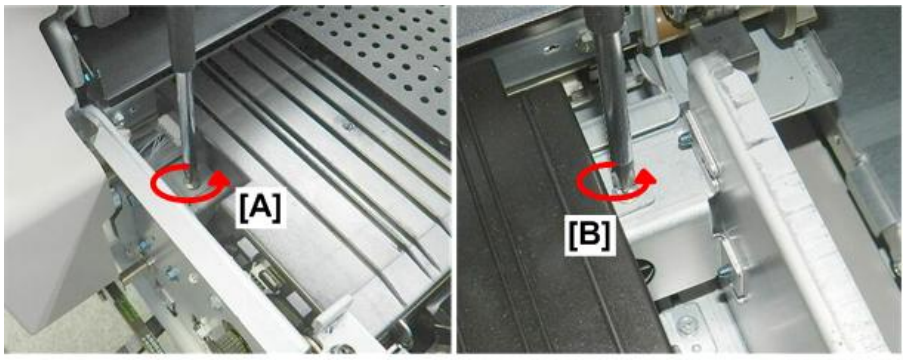
d1793604

7. Remove a gear (x1).



d1793605

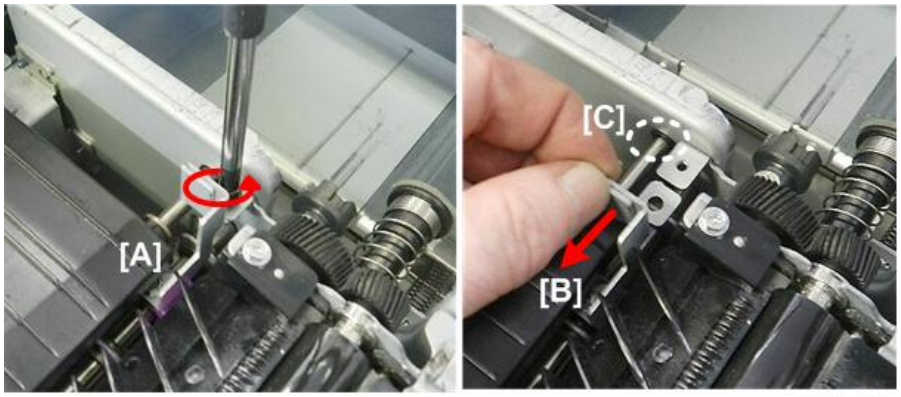
8. Disconnect the front [A] and back [B] of the PTB unit (x2).



d1793606

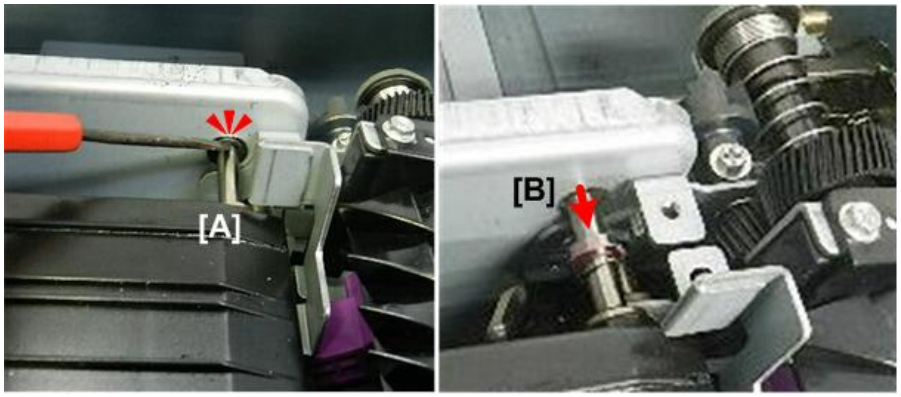
9. At the rear [A], disconnect the rear lock plate of the adjacent PTR unit (x1).
10. Push the plate [B] toward the front. This will free the area around the end of the PTB unit shaft [C], so that an

e-ring can be removed.



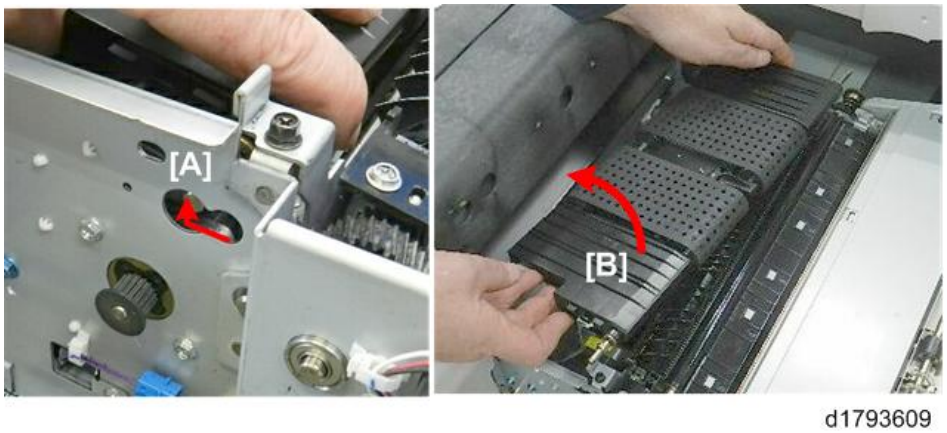
d1793607

11. Disconnect the end of the PTB unit shaft [A] (x1).
12. Pull the bearing and ring [B] toward the front so that they will not be lost when the unit is removed.



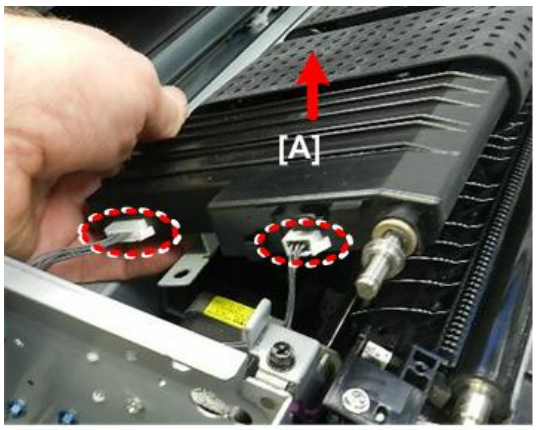
d1793608

13. At the front, pull the end of the shaft [A] to the left, and then pull it away from the cut-out.
14. Lift the front of the unit [B] slightly.



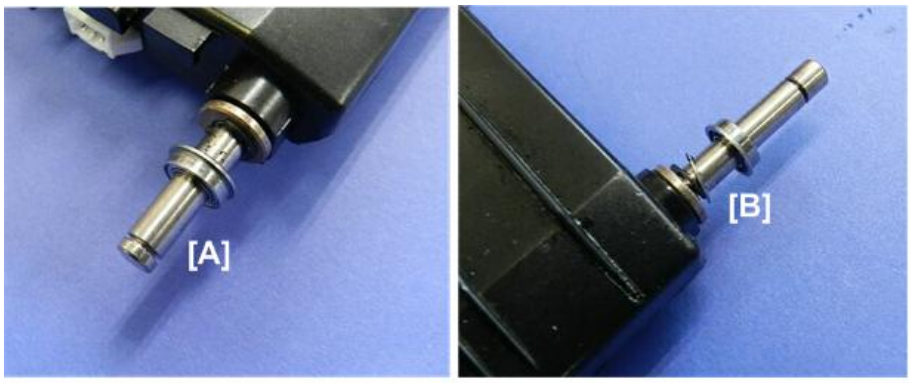
d1793609

15. Disconnect the front of the unit [A] and then remove the unit from the machine (x2).



d1793610

16. Handle the unit carefully to prevent losing the bearings on the front [A] and end [B] of the PTB unit guide shaft. (These can fall off easily.)



d1793612

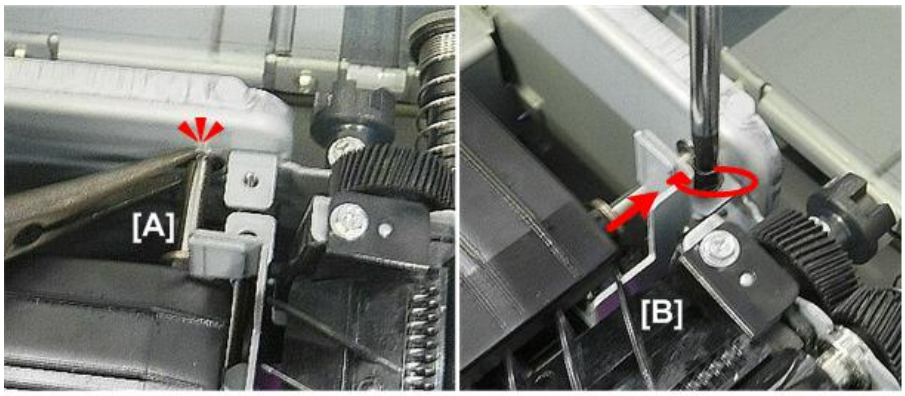
17. Lay the PTB unit on a flat clean surface.

d1793611

Re-installation

1. After re-attaching the e-ring [A] at the rear, be sure to slide the unit plate [B] to the rear and fasten it with the

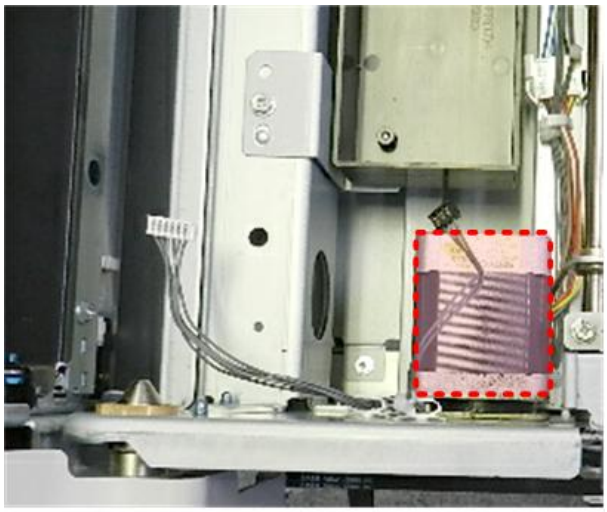
screw.



d1793613

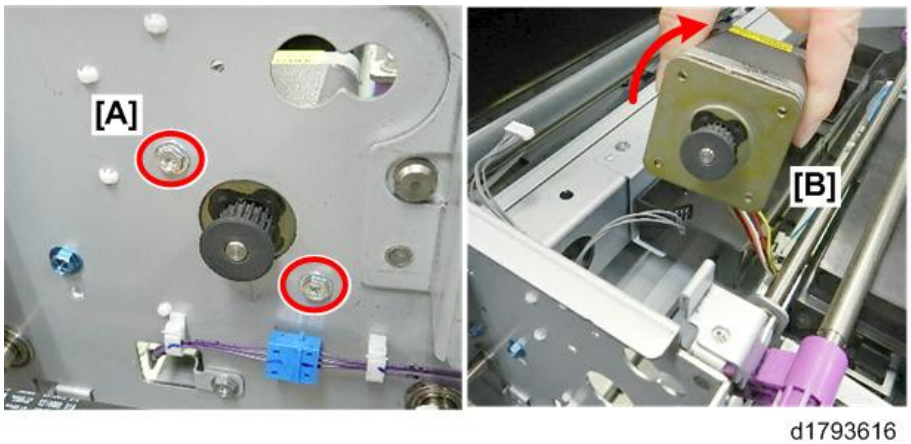
PTB Motor

1. Pull out the drawer
2. Remove the PTB unit (PTB Unit Removal)
3. The PTB motor is behind the front panel.



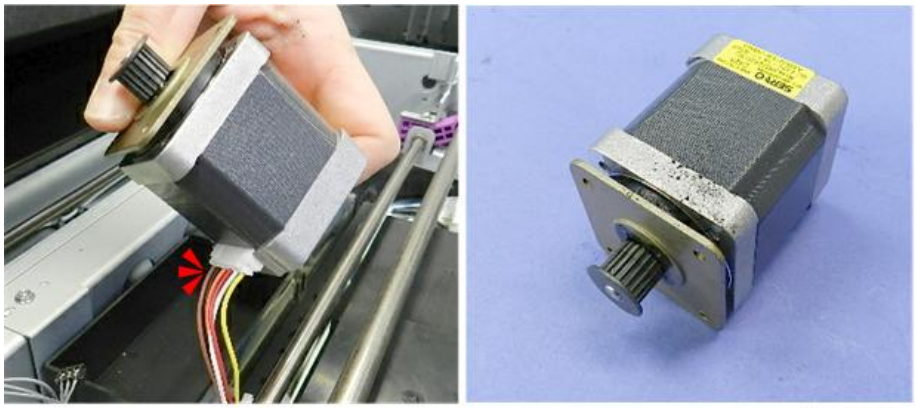
d1793615

4. At the front [A], disconnect the motor [B] (x2).



d1793616

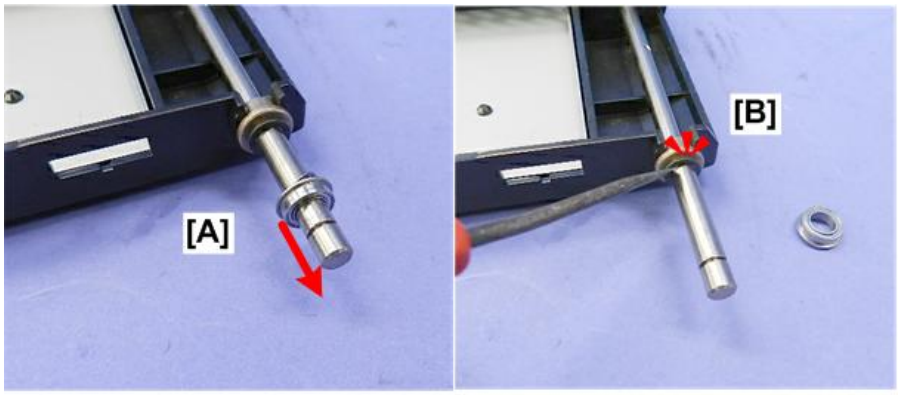
5. Raise the motor, and then disconnect it (x1).



d1793617

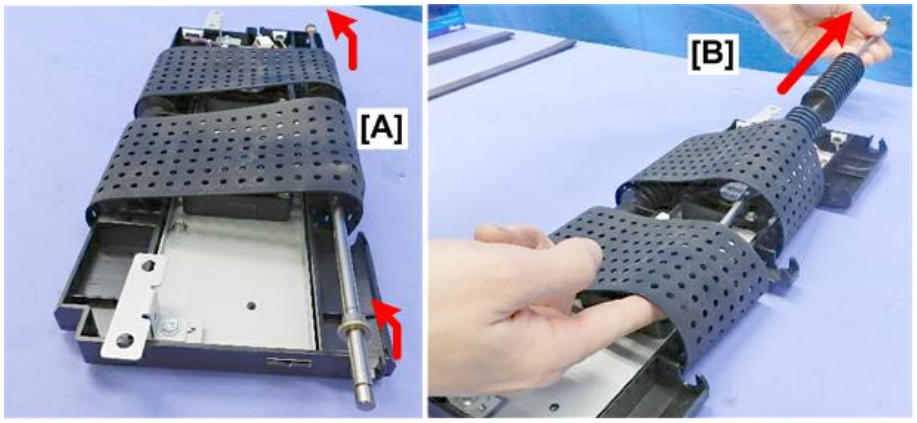
Paper Transfer Belts (PTB)

1. Remove the PTB unit (PTB Unit Removal)
2. At the right rear corner of the unit [A], slide the bearing and washer off the end of the shaft.
3. Disconnect the end of the roller shaft [B] (x1).



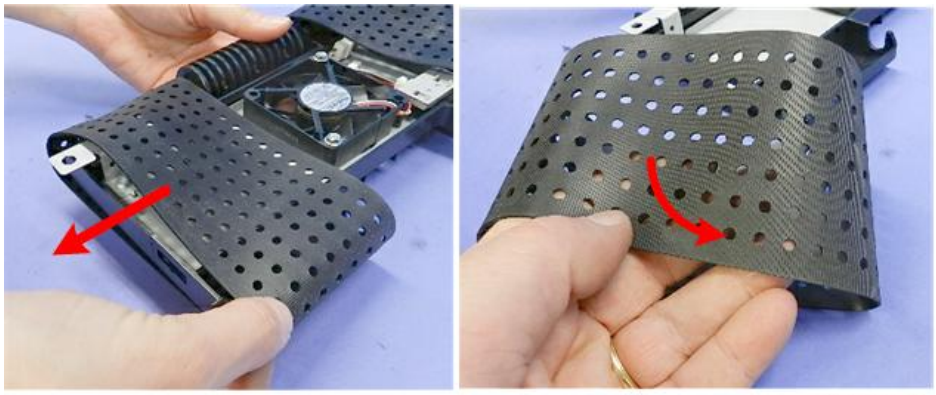
d1793618

4. Lift both ends of the roller [A] out of its guides.
5. Slide the roller under the belts toward the front [B], and then remove the roller.



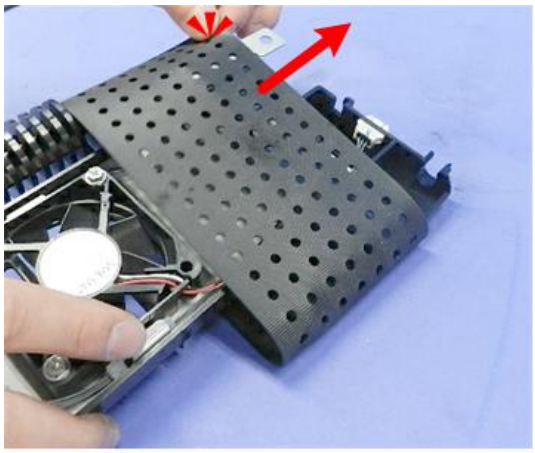
d1793619

6. Slide off the rear belt.



d1793620

7. Slide off the front belt.

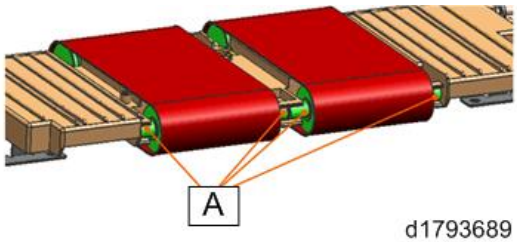


d1793621

Re-installation

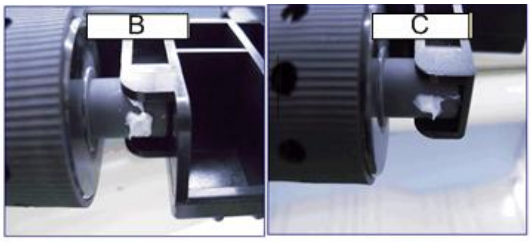
Before re-assembly, the following points should be lubricated with Barrierta S552R grease.

1. [A] shows the points where grease should be applied.



d1793689

2. [B] shows the minimum application of grease, and [C] the maximum.

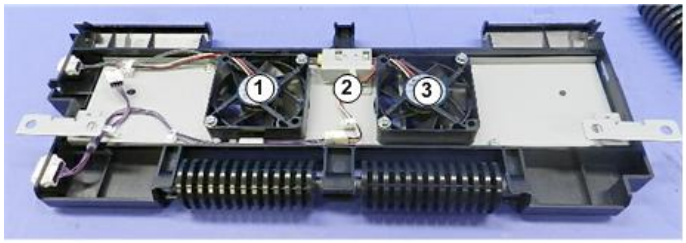


d1793690

PTB Sensor, Fans

1. Remove the PTB unit (PTB Unit Removal)
2. Remove both belts (Paper Transfer Belts (PTB))

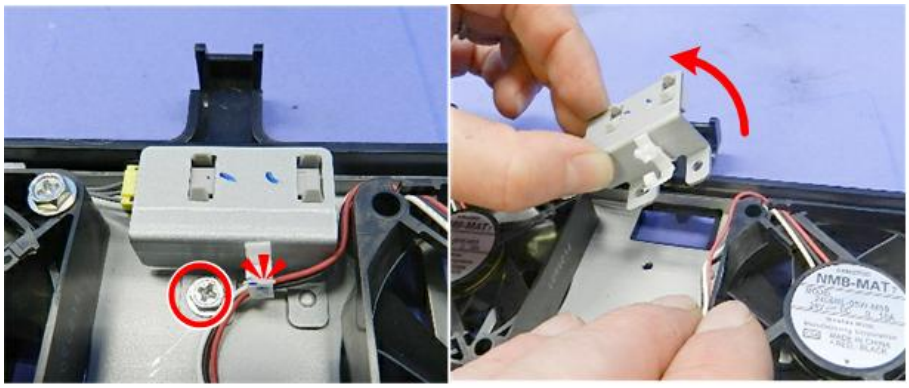
①	PTB Fan (Front(
②	PTB Sensor
③	PTB Fan (Rear)



d1793622

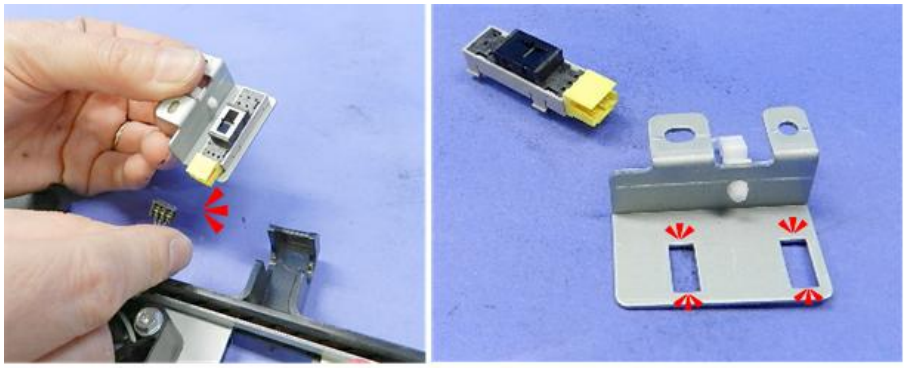
PTB Sensor

1. Disconnect, and then remove the sensor bracket (x1, x1).



d1793623

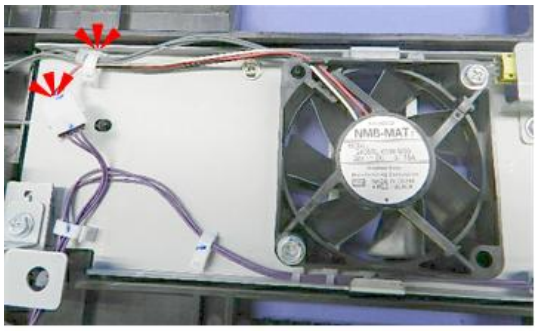
2. Separate the sensor from the bracket (x1, x4).



d1793624

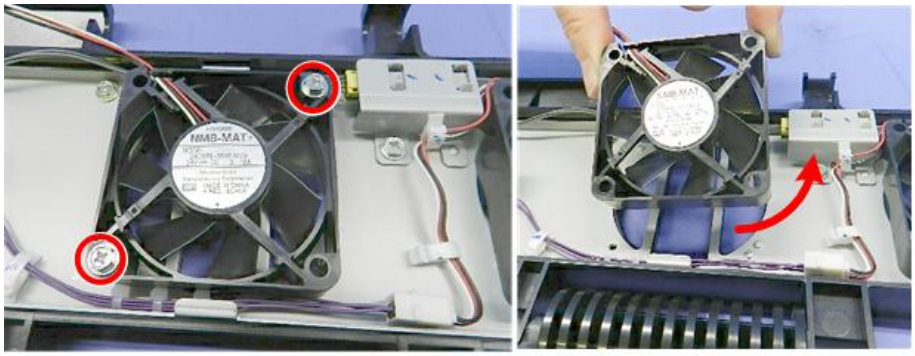
PTB Fan (Front)

1. Disconnect the harness (x1, x1).



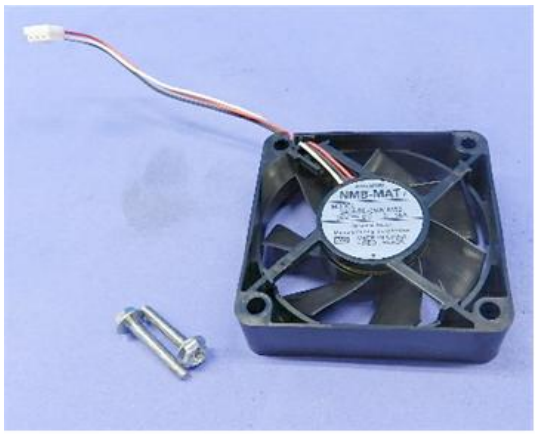
d1793625

2. Disconnect the fan (x2).



d1793626

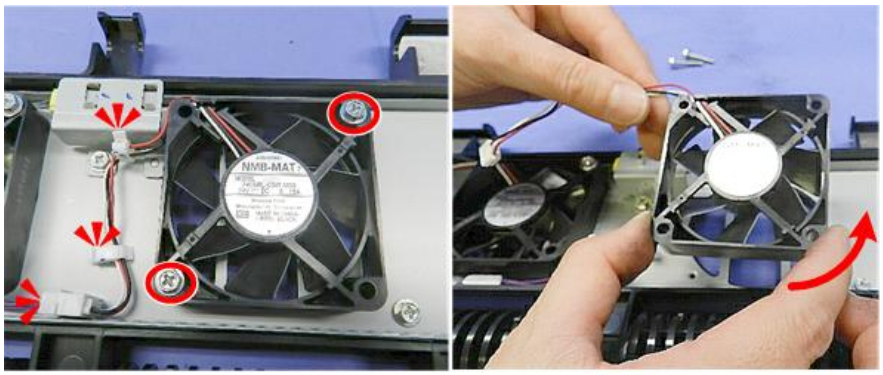
3. Remove the fan.



d1793627

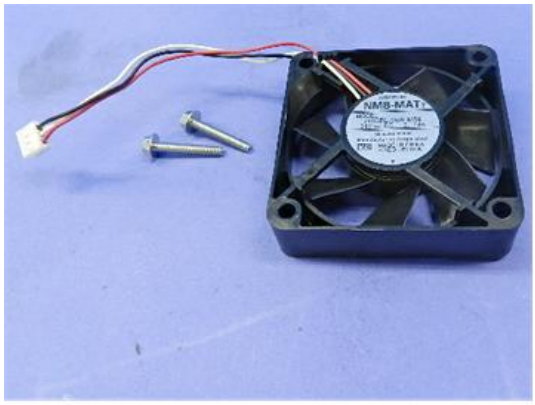
PTB Fan (Rear)

1. Disconnect the fan (x2, x1, x2).



d1793628

2. Remove the fan.



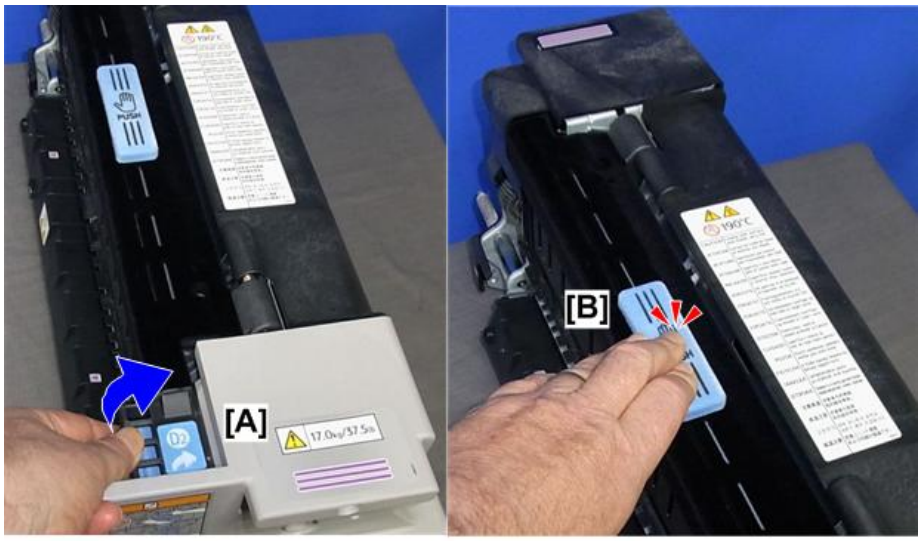
d1793629

Fusing Unit

Fusing Unit, Fusing Cleaning Unit Removal

Preparation

- Make sure that the system is off and confirm that the machine power cord is disconnected from the power source.
- Spread a drop cloth or some paper in front of the machine.
- Prepare a flat clean surface where you can place the fusing unit after it has been removed.
- Open both front doors.
- Allow at least 10 min. for the fusing unit to cool before you remove it.
- Raise lever **D2** [A] to release and open the fusing unit. To close the unit, press firmly on the hand decal [B] in the center of the cover and make sure that it locks.



d270b4603

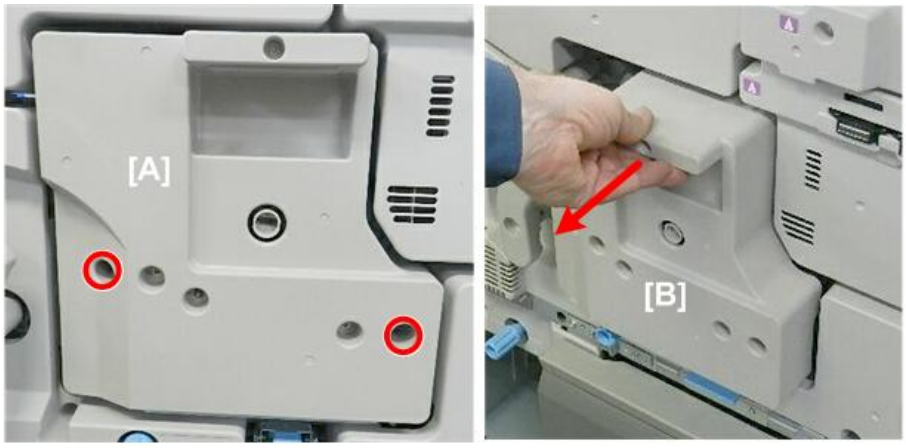
Removing the Fusing Unit

1. Remove the lock screws of the cover [A] (x2).

Note

- These are black screws.

2. Grip the unit by its handle [B], and then pull the unit out until it stops.

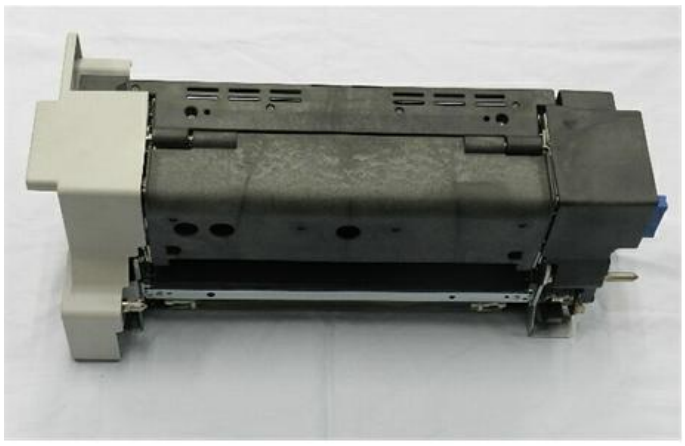


d1793801

3. Grip the unit on both ends, and then lift it off its tray. The unit weighs 17 kg (34.5 lb.).

d1793802

4. Lay the unit on a flat clean surface, strong enough to support its weight.

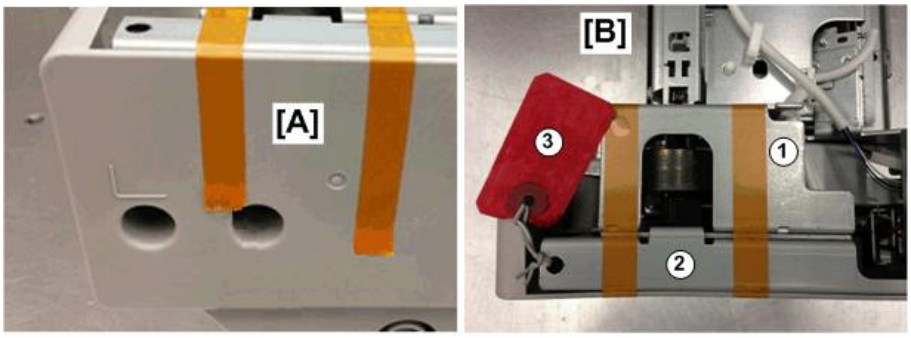


D1793803

New Fusing Unit

If the fusing unit needs to be replaced, be sure to remove the shipping brackets of the new fusing unit (TCRU Set B).

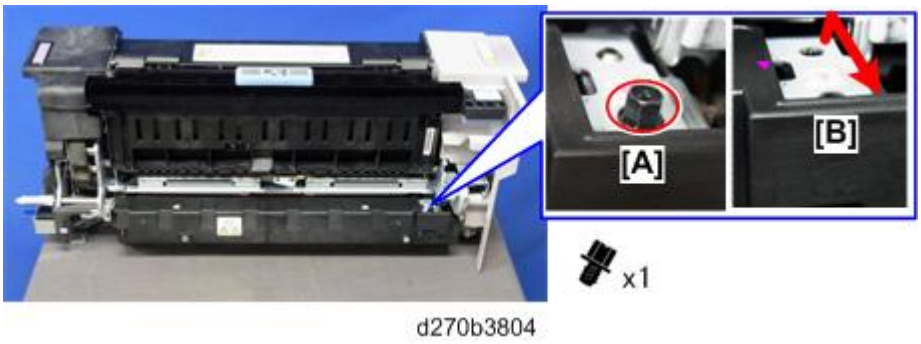
1. Open the TCRU Set B box, and then remove the new fusing unit.
2. Two strips of tape are attached to the front of the fusing unit [A].
3. From the top [B], pull off both strips of tape, and then remove shipping bracket ① and bracket ② with the red tag ③ attached.



d1802607

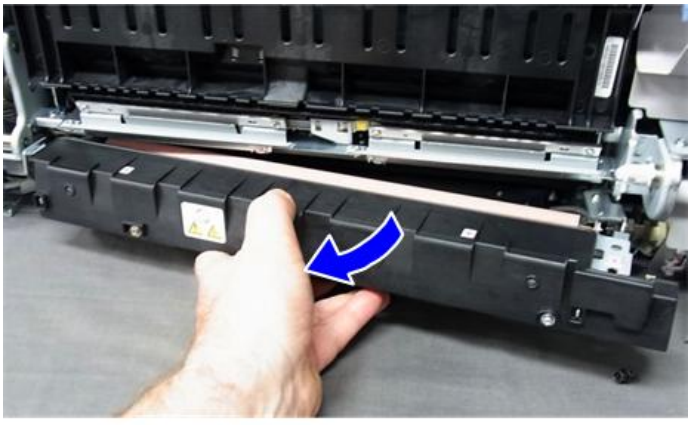
Removing the Fusing Cleaning Unit

1. Remove the fusing unit from the machine. (Removing the Fusing Unit)
2. Remove screw [A] of the cleaning unit on the left side of the fusing unit(x).
3. Raise the front end of the cleaning unit [B] off the boss.



d270b3804

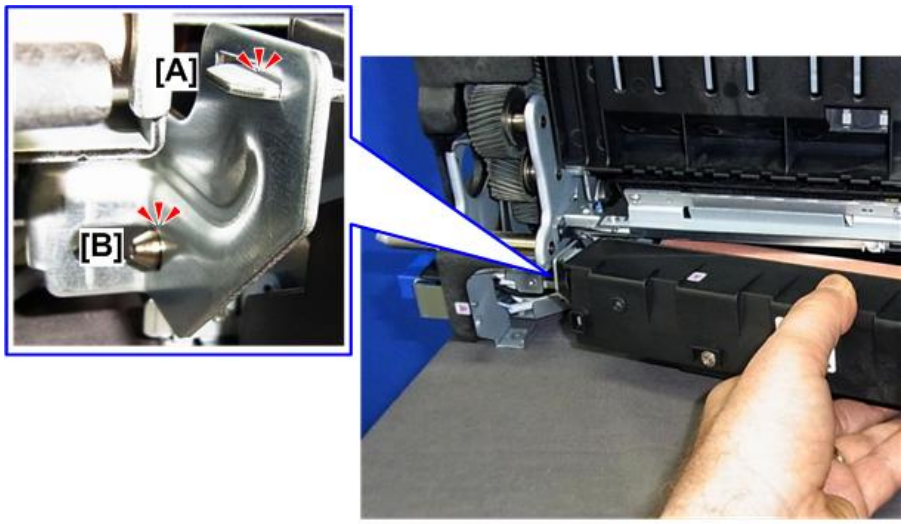
4. Swing the cleaning unit away from the side of the fusing unit and remove it.



d270b3805

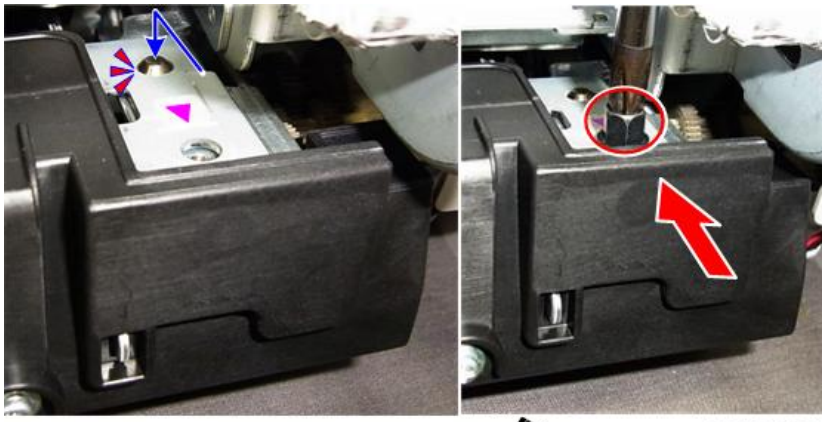
Reinstalling the Fusing Cleaning Unit

1. Insert the tab [A] and post [B] into the slot and hole of the frame at the rear of the fusing unit.



d270b3806

2. Raise the front end of the cleaning unit and set the hole over the boss.
3. If the boss and screw hole do not align properly, make sure that the tab and post on the other end of the cleaning unit are inserted correctly. You may have to press in slightly on the right end of the unit to align the hole.
4. Fasten the front end of the cleaning unit (x).

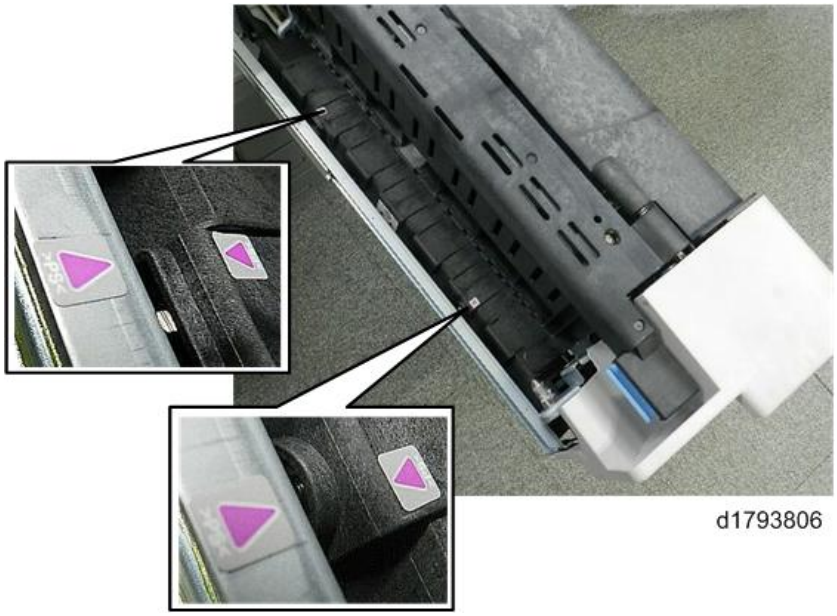


x1

d270b3807

Fusing Unit Re-installation

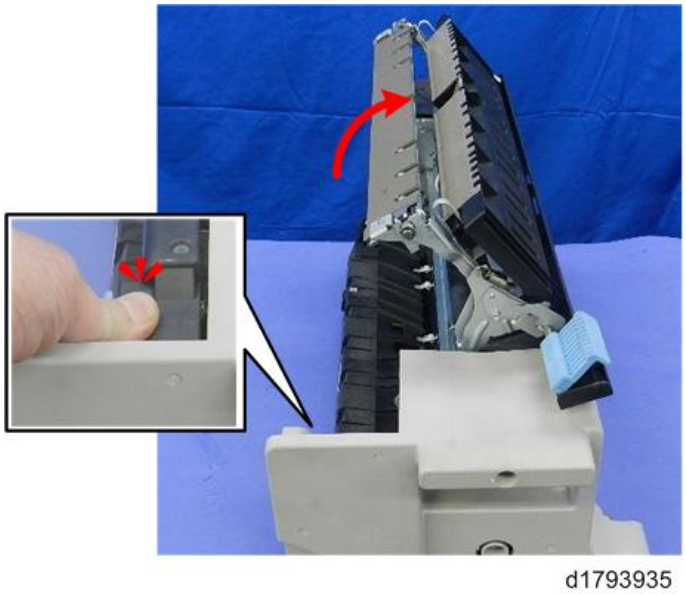
1. Align the marks on the left side of the fusing unit with the marks on the edge of the tray.



2. Push the fusing unit on its tray into the machine, and then re-attach the cover (x2).

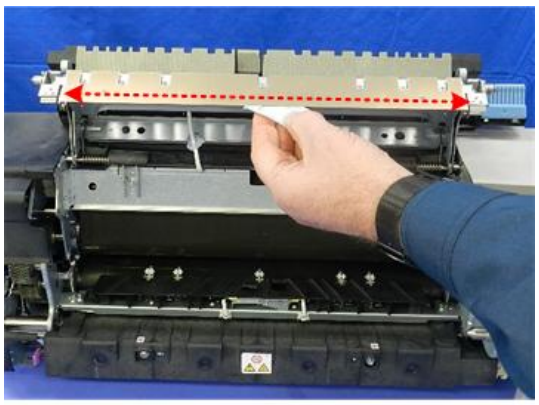
Periodic Cleaning

1. Remove the fusing unit (x2). (Removing the Fusing Unit)
2. Lay the fusing unit on a flat clean surface.
3. Open the fusing unit.



Fusing Belt Stripper Plate

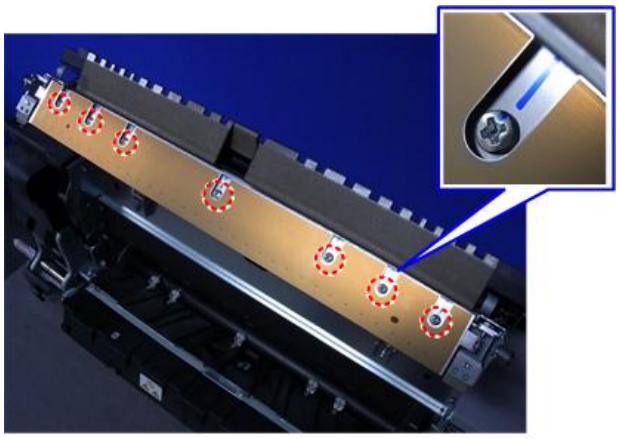
1. Use a dry cloth to clean the fusing belt stripper plate.



d1793936

Important

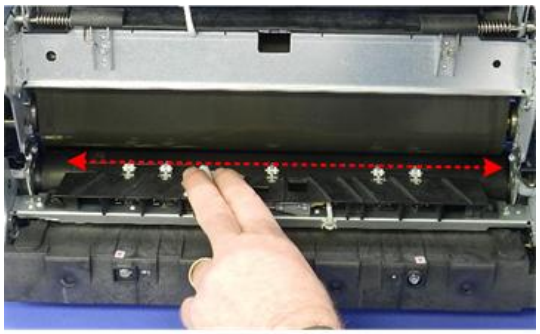
- The paint-locked screws on the separation plate have been adjusted at the factory. Never remove these screws.



d270b3808

Pressure Roller Stripper Plate

1. Use a dry cloth to clean the cover of the pressure roller stripper plate.



d1793937

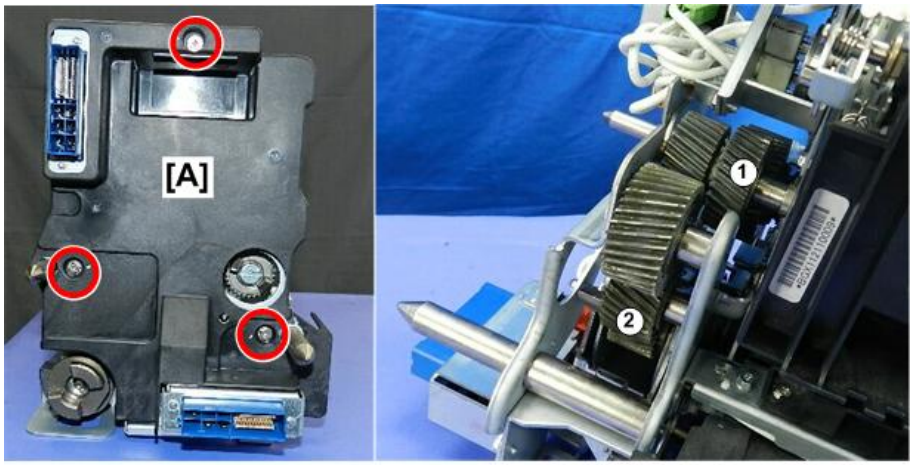
Entrance Guide Plate

1. Use a dry cloth to clean the entrance guide plate.

d1793938

Periodic Lubrication

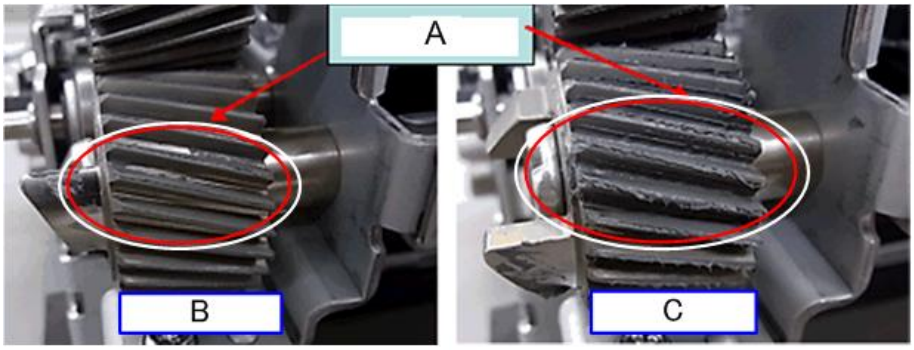
1. Remove the fusing unit. (Fusing Unit, Fusing Cleaning Unit Removal)
2. Remove the rear plate [A] (x3).
3. Apply Fluotribo MG Grease to the drive gears ①,②.
   - Apply 1.5±0.3 g to ①
   - Apply 4±0.8g to ②



d1793811

4. The gears [A] must be lubricated.

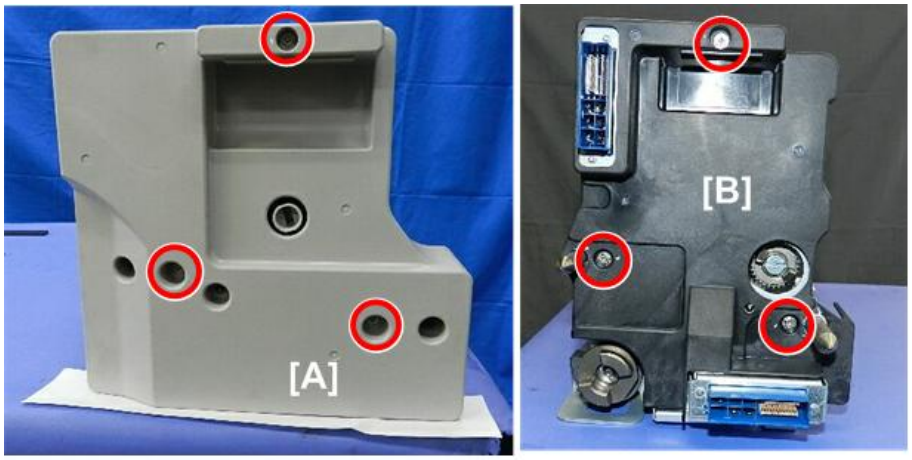
5. [B] shows the minimum application of grease and [C] the maximum application of grease.



d1803832

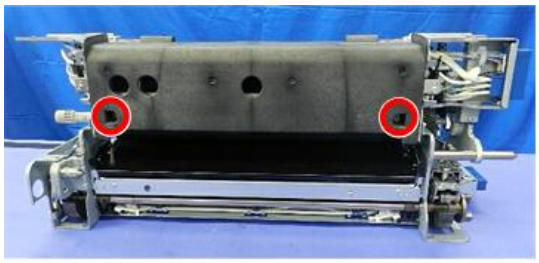
Heating Roller Fusing Lamps

1. Remove the front cover [A] (x3).
2. Remove the rear cover [B] (x3).



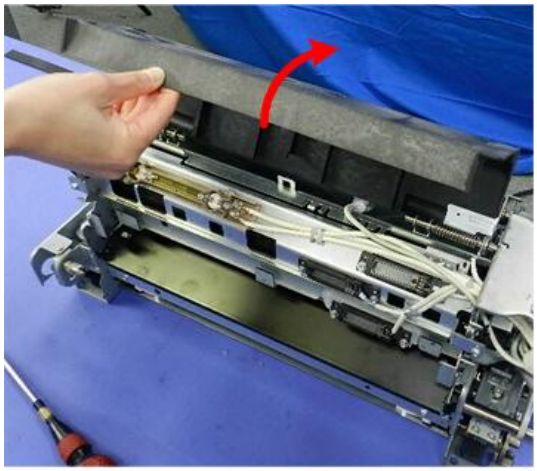
d1793812

3. Disconnect the top cover (x2).



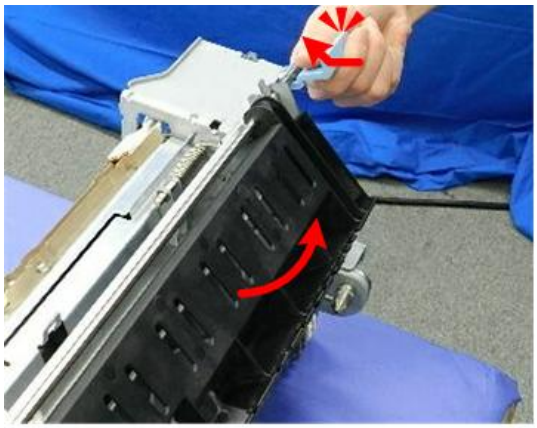
d1793815

4. Remove the top cover.



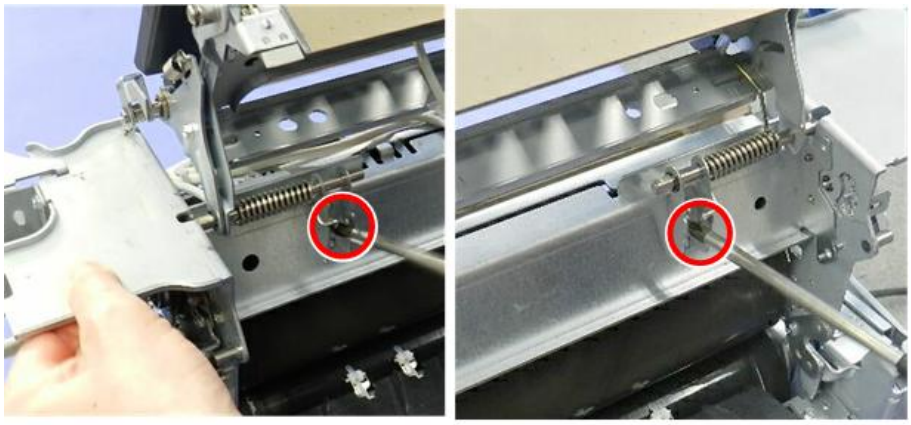
d1793816

5. Open the separation unit.



d1793817

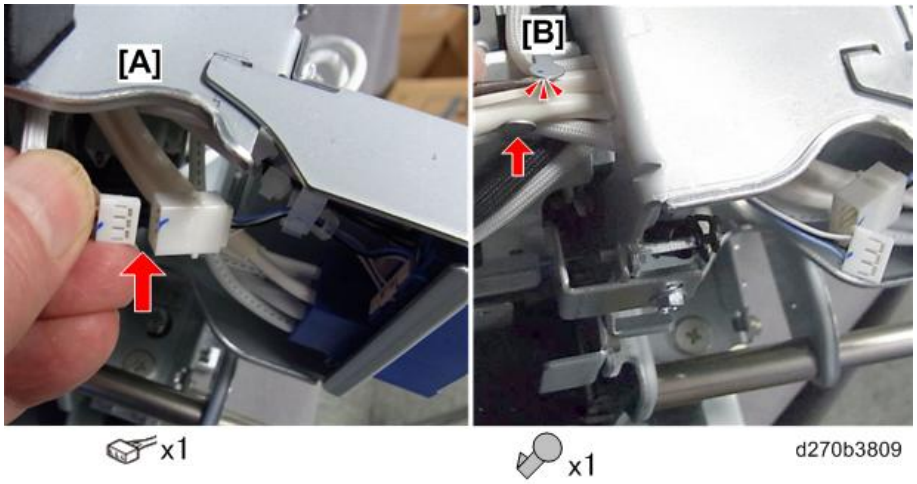
6. Disconnect the separation unit (x2).



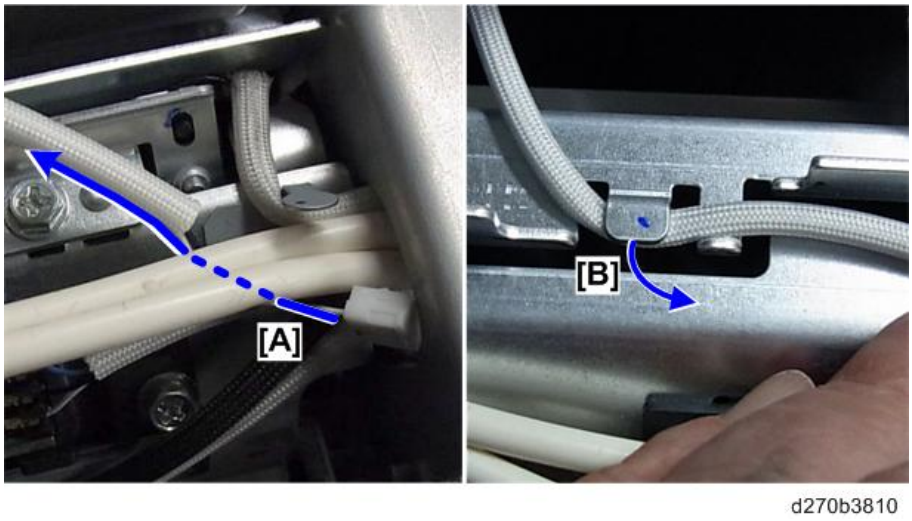
d1793818

7. At the rear [A], disconnect the separation unit (x1).

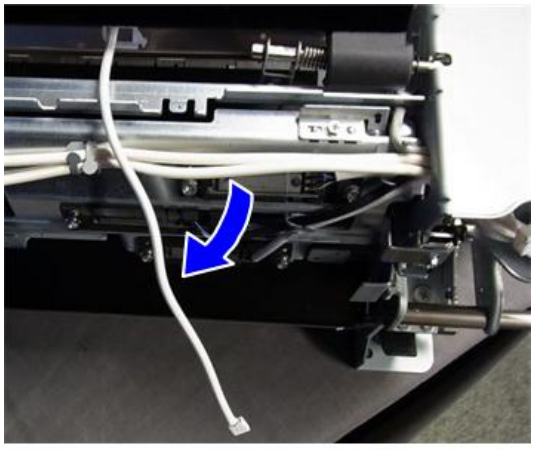
8. Open the clamp [B].



9. Pull the harness [A] through the frame, and then free the harness at [B].



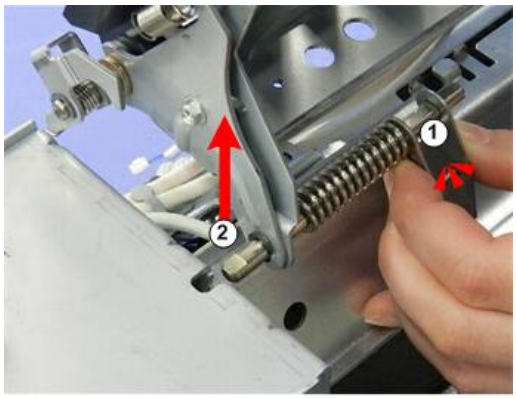
10. Pull the harness away from the side of the fusing unit.



11. Release the springs ① on both ends of the separation unit, and then lift it straight up ② to remove it.

Important

- Hold the separation unit on both ends and lift it straight up to prevent bending it.
- When you re-install the separation unit, hold it straight on both ends, and then lower it straight down.

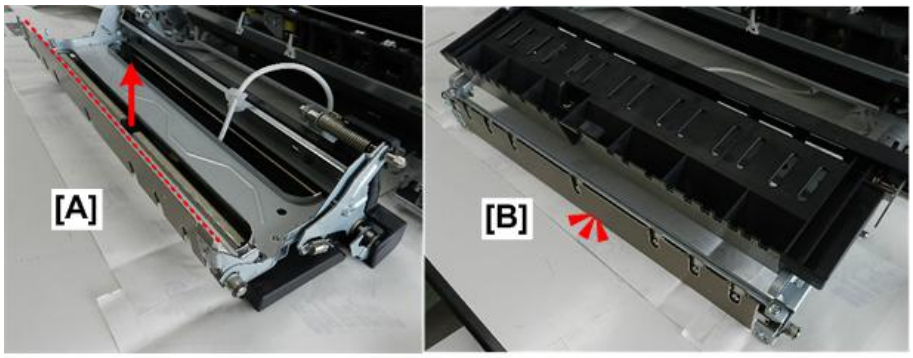


d1793820

12. Lay the separation unit down with its edge up [A].

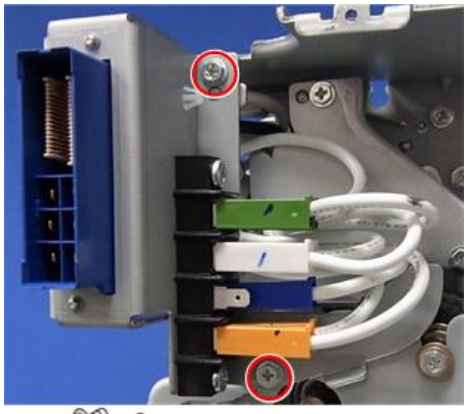
Important

- Never lay the separation unit down with its edge down [B].



d1803801

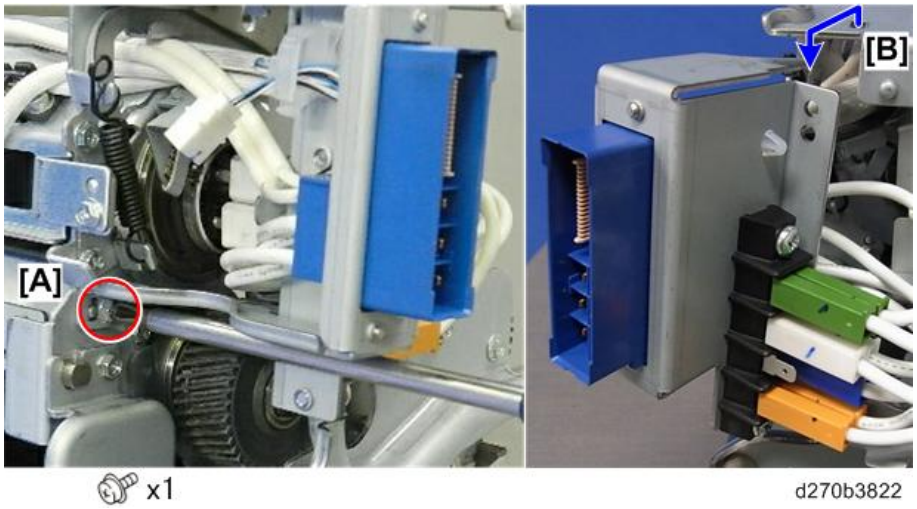
13. At the rear, disconnect the lamp connector bracket (x2).



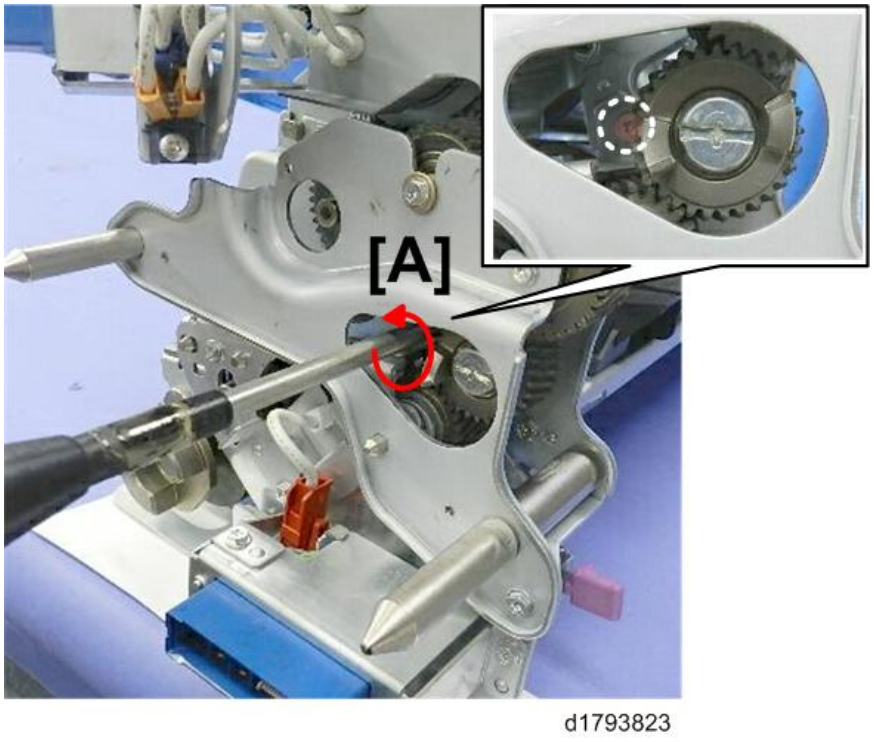
x2 d270b3821

14. Disconnect the bracket at [A], and then unhook the bracket [B], and then allow the bracket to hang free (

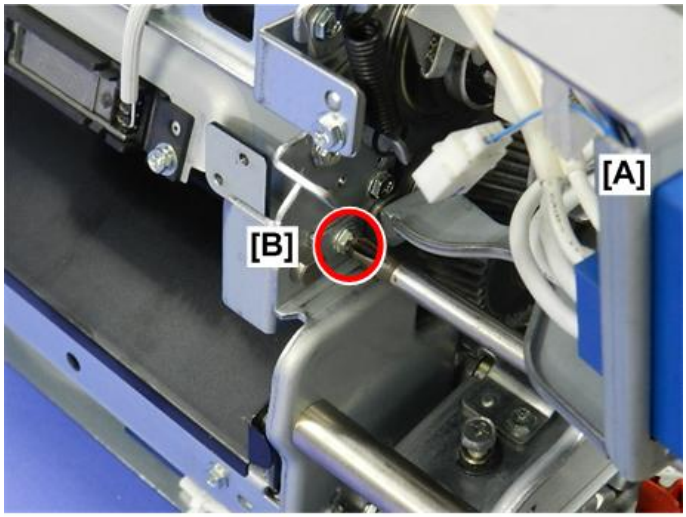
x1).



15. Insert a long screwdriver through cut-out [A] and remove the hidden screw (x1).



16. At the rear [A], remove screw [B] (x1).

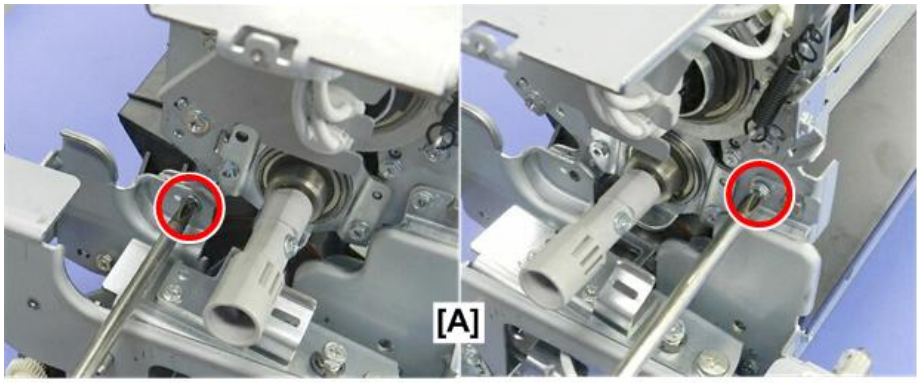


d1793824

17. At the front [A], remove screws (x1,x1).

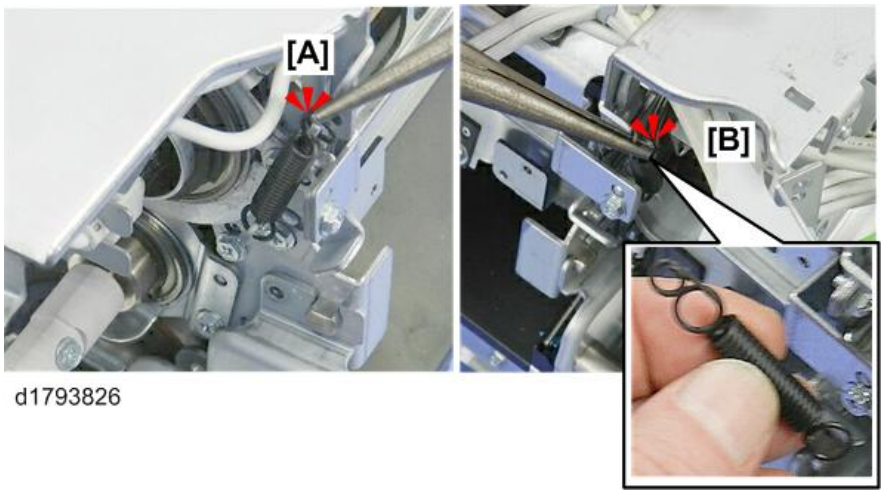
Important

- At re-installation, install the step screws () at the front and rear first. Installation of these screws first will position the gears correctly, so that the unit on the fusing belt side and the pressure unit are positioned correctly.



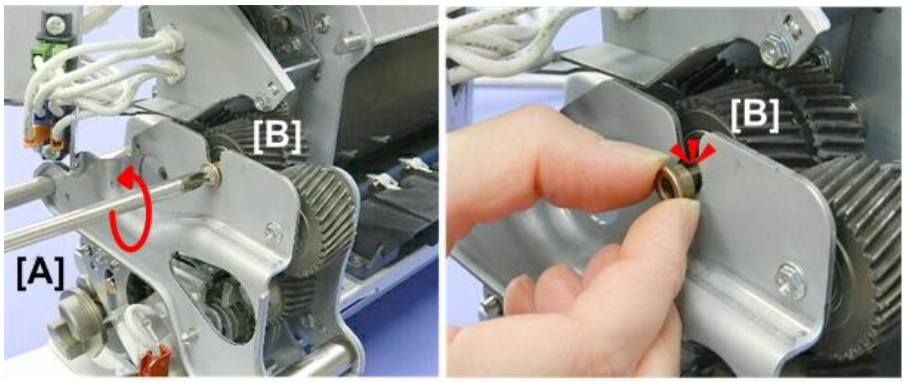
d1793825

18. Disconnect springs at the front [A] and rear [B] (x2).



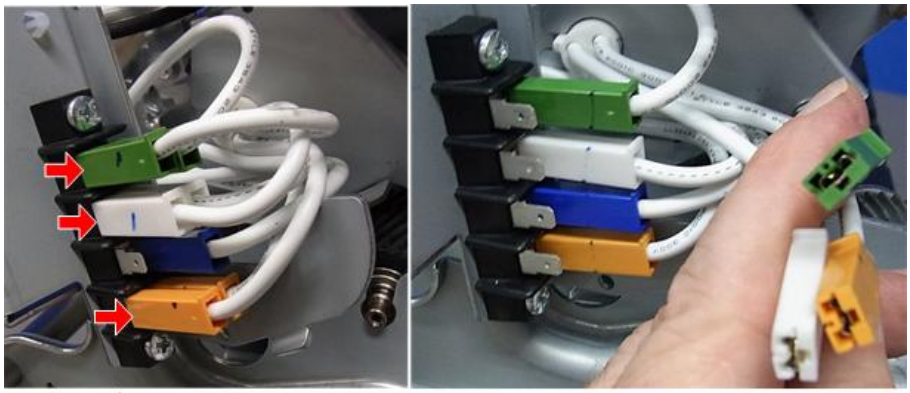
d1793826

19. At the rear [A], remove the screw and the bushing [B] (x1, x1).



d1793827

20. At the rear connector, disconnect the heating roller lamps (x3).

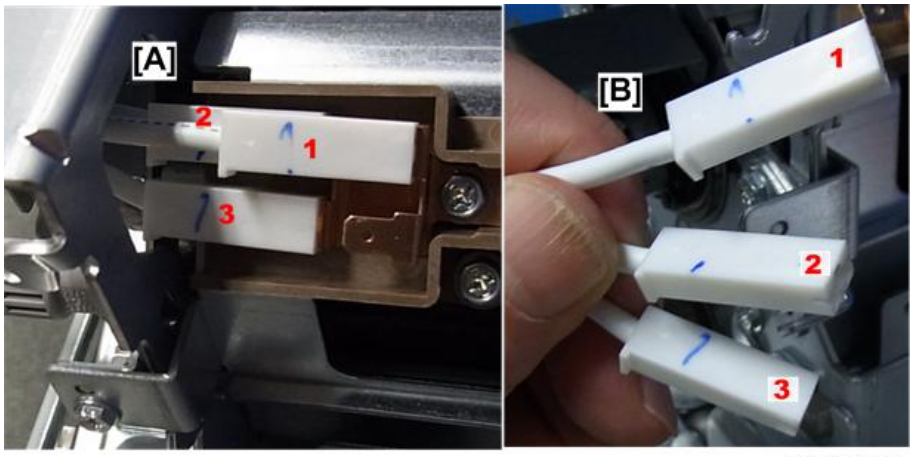


x3 d270b3833

Important

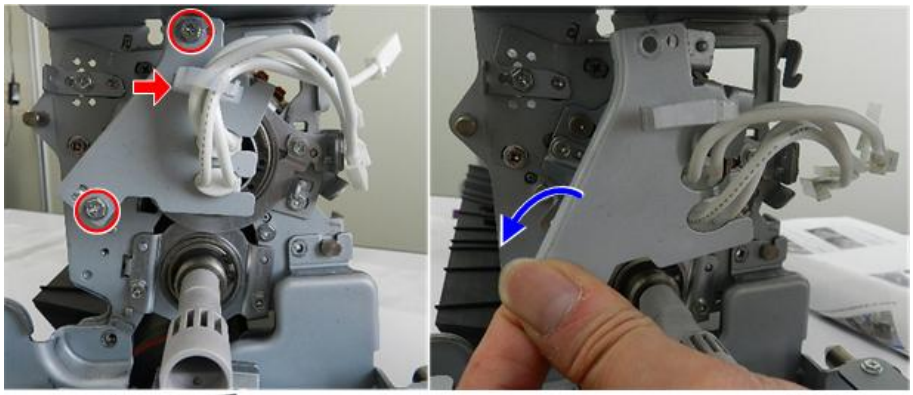
- The heating roller lamps are connected at the outside to the right of the drawer connector. They must be re-connected at the outside. However, their order of installation (top to bottom) is not important. They can be re-connected in any order.

21. At the front [A], use a marker to mark the thermostat connectors so they can be re-connected at the correct terminals.
22. Disconnect the heating roller thermostat connectors [B] (x3).

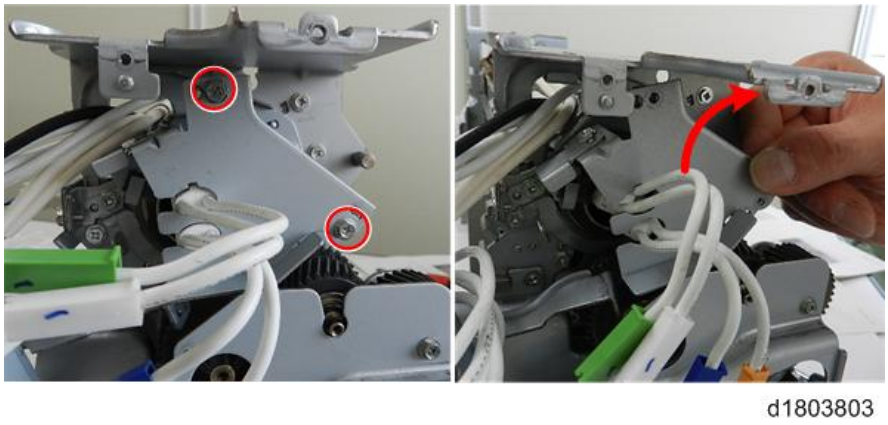


d270b3834

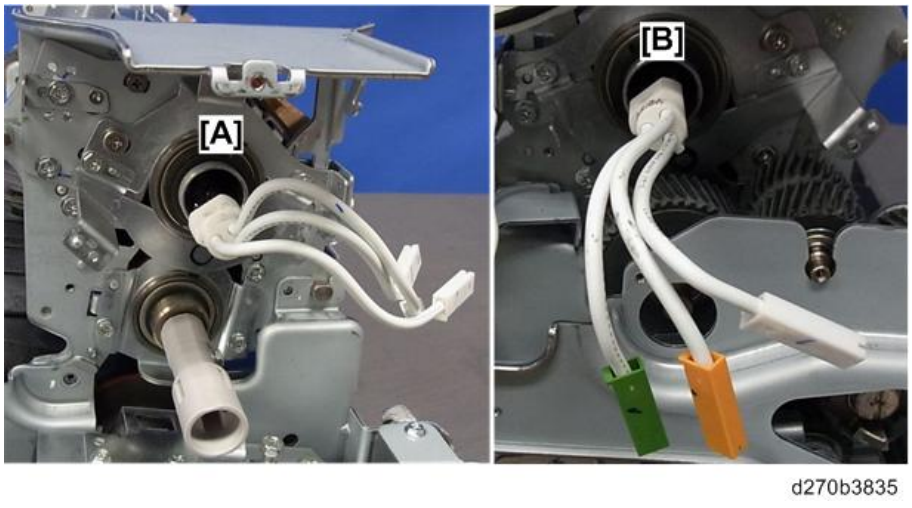
23. At the front, remove the heating roller lamp bracket (x1, x2).



24. At the rear, remove the other heating roller lamp bracket (x2).

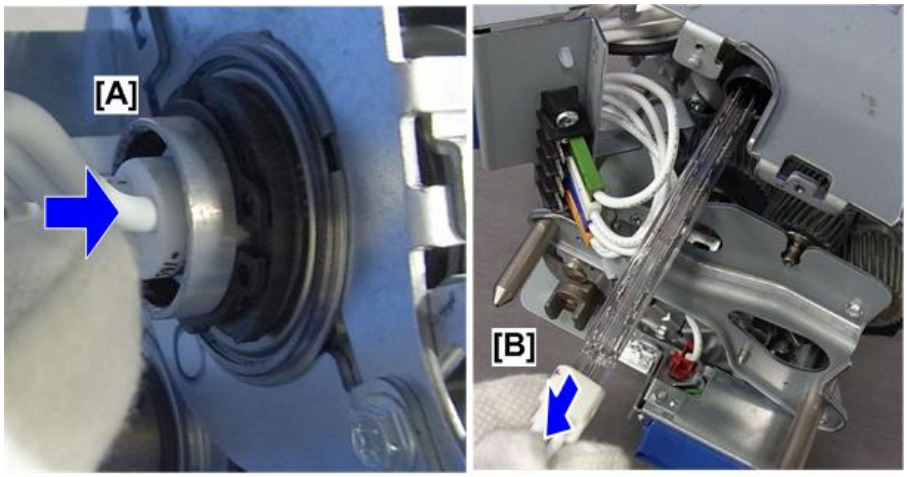


25. The front end [A] and rear end [B] of the heating roller fusing lamps are now free and ready for removal.



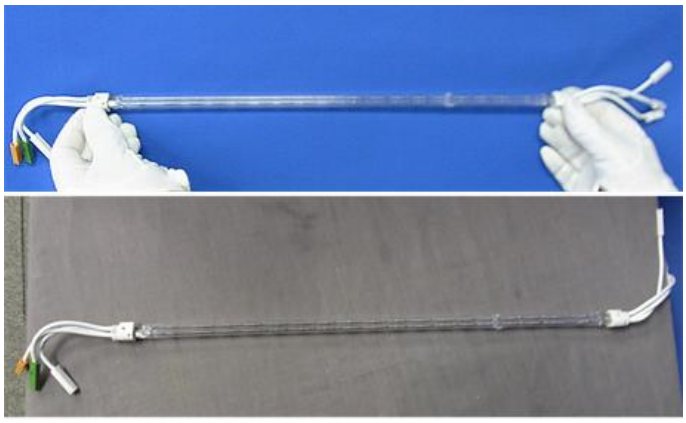
26. The lamps can be removed from either end of the roller.
27. On one end of the roller, push the end of the lamp [A] into the roller.

28. Slowly, pull the lamps [B] out of the other end of the heating roller.



d270b3837

29. Always hold the lamps by the ends.



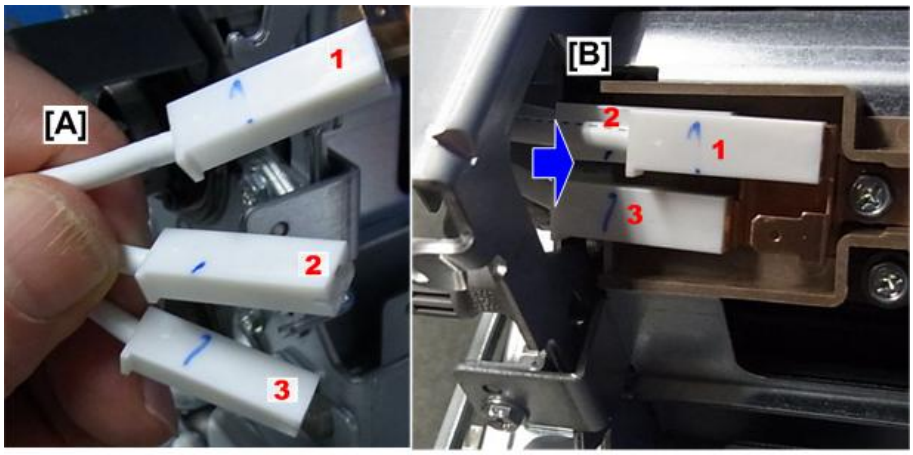
d270b3838

Important

- Never touch the glass surface of a fusing lamp. Oil from the fingers can cause the lamp to burn unevenly.
- If you mar the surface of a lamp accidentally, clean with a clean cloth dampened with alcohol, and then allow it to dry completely.

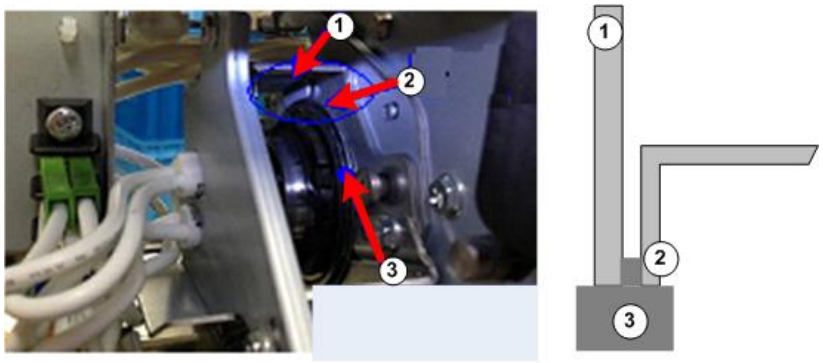
Heating Roller Lamp Re-installation Points

1. At the front end of the heating roller [A], route the harnesses through the frame [B].



d270b3983

2. Check the alignment at the rear.
   ① Heating lamp holder – rear above
   ② Heating lamp holder - rear
   ③ Bearing sleeve

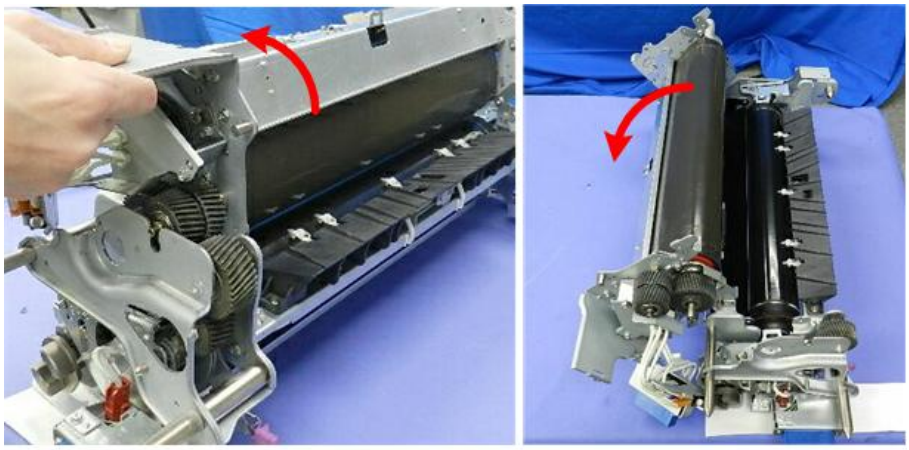


d1793984

Hot Roller, Heating Roller, Fusing Belt

1. Remove the heating roller fusing lamps. (Heating Roller Fusing Lamps)

2. Open the upper unit.

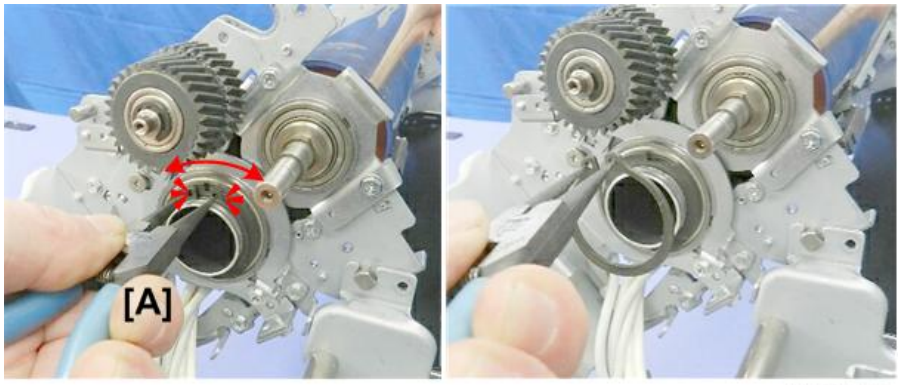


d1793828

3. At the rear, remove the drive gear (x1).

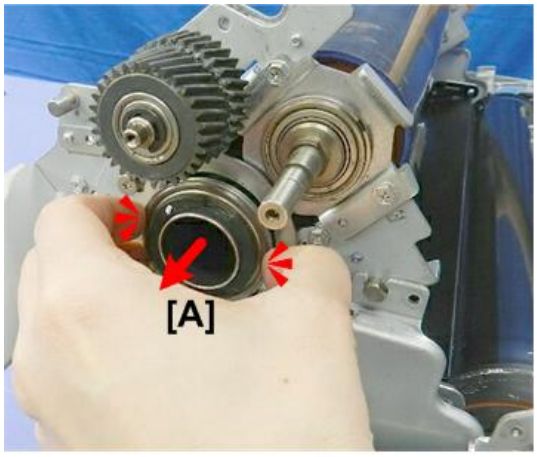
d1793829

4. At the rear, use spreaders to disconnect the heating roller [A] (x1).



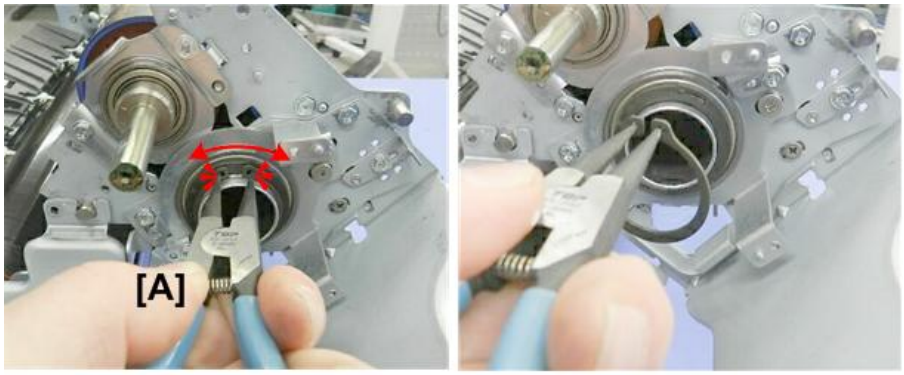
d1793839

5. Remove the heating roller bearing [A].



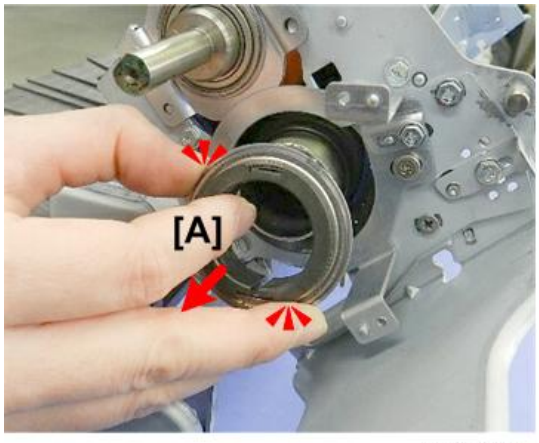
d1793840

6. At the front, use spreaders to disconnect the heating roller [A] (x1).



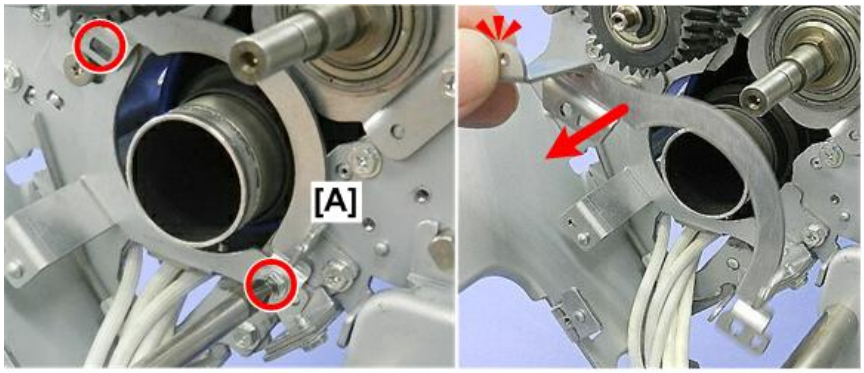
d1793841

7. Remove the heating roller bearing [A].



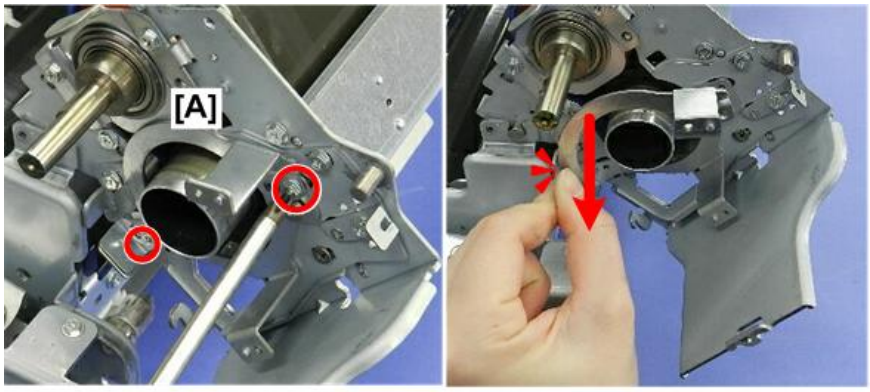
d1793842

8. At the rear, remove the crescent bracket [A] (x2).



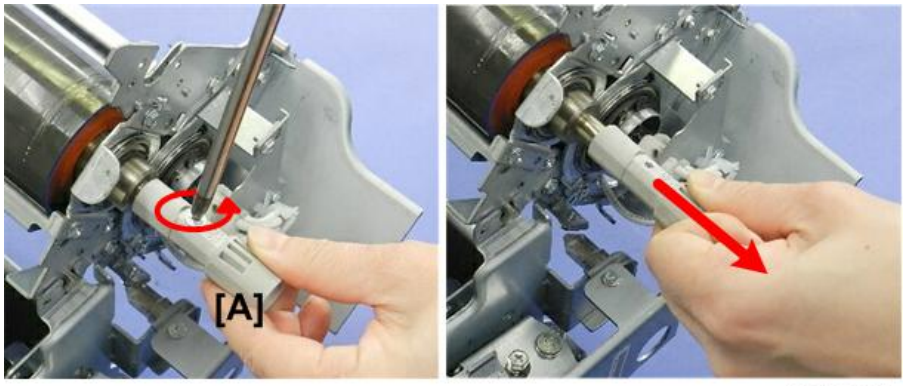
d1793843

9. At the front, remove the crescent bracket [A] (x2).



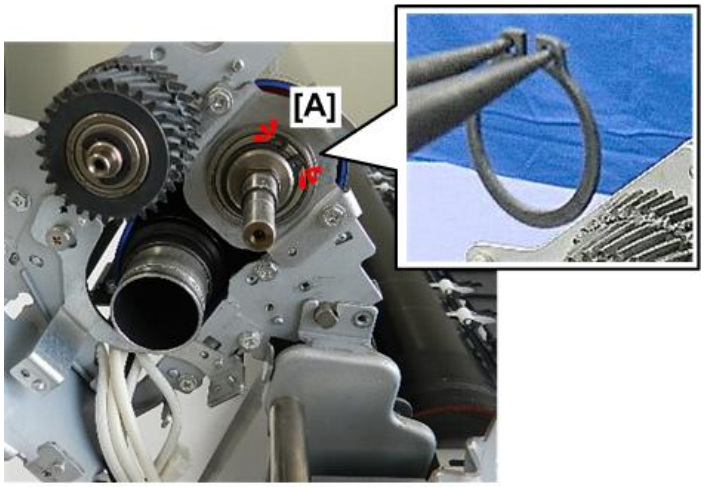
d1793844

10. At the front, remove the hot roller knob [A] (x1).



d1793831

11. At the rear, use spreaders to disconnect the hot roller [A] (x1).

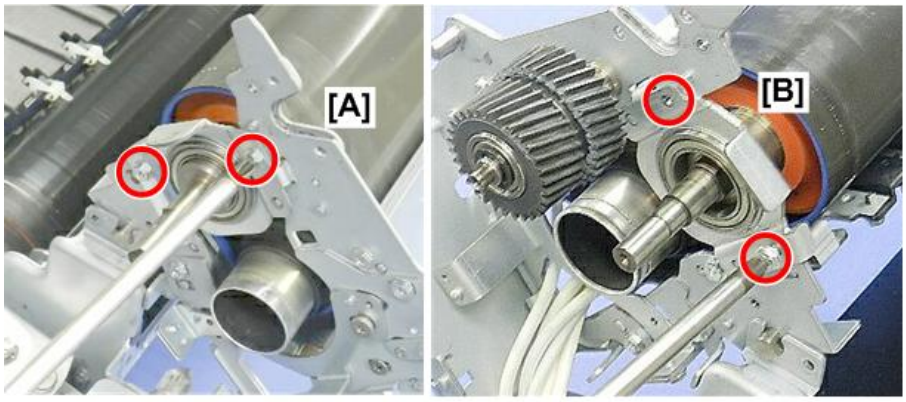


d1793830

12. At the front, disconnect the hot roller shaft [A] (x1).

d1793832

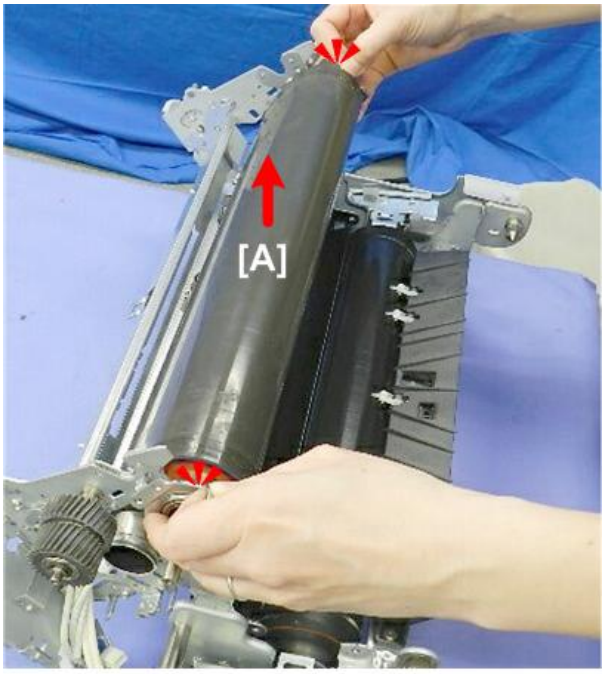
13. At the front, remove the square bracket [A] (x2).
14. At the rear, remove the square bracket [B] (x2).



d1793845

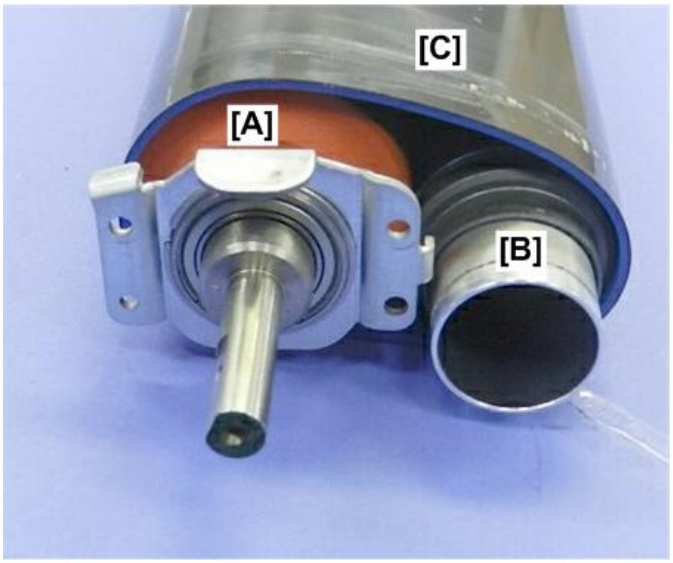
15. Grip the metal brackets at both ends of the hot roller [A], and then lift out the belt with the heating roller and

hot roller together inside the belt.



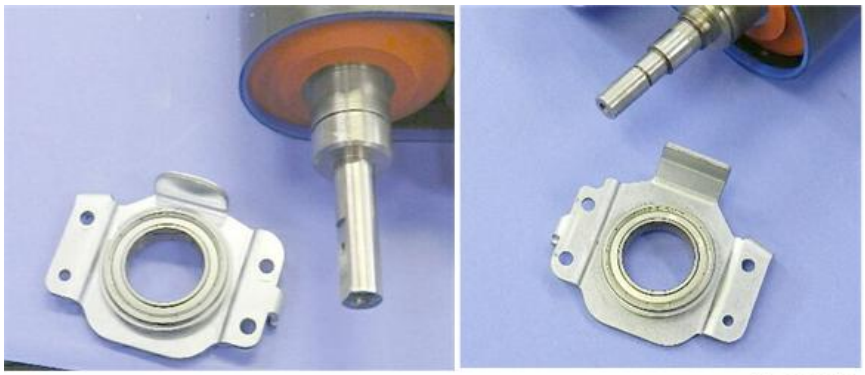
d1793846

16. Lay the belt with the rollers on a flat clean surface.
    - [A] Hot roller
    - [B] Heating roller
    - [C] Fusing belt



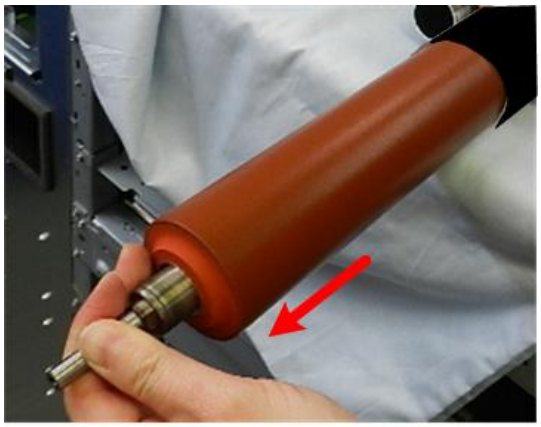
d1793847

17. Remove the bracket (and bearing) from each end of the hot roller.



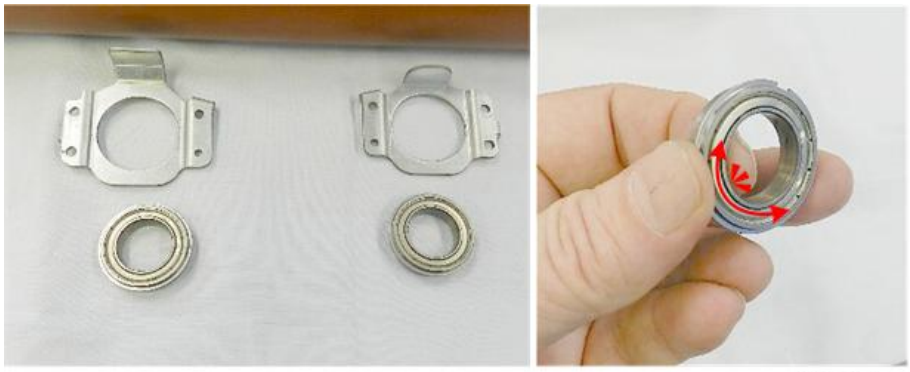
d1793848

18. Pull the roller out of the fusing belt.



d1793849

19. Separate the brackets and bearings removed from the ends of the hot roller.
20. Spin the races of the bearings and make sure that they rotate easily.



d1793850

21. Pull the heating roller out of the fusing belt.

d1793851

Cleaning, Lubrication before Re-assembly

Do these checks and procedures before re-assembling the fusing unit.

Important

- Work carefully and always avoid touching the surfaces of the hot roller, heating roller, and fusing belt with bare hands

Heating Roller

1. Always inspect and clean a heating roller for contamination by grease before re-installing it.

Important

- Grease contamination can cause uneven heating on the surface of the roller and cause problems during fusing.

d1793852

2. Clean the entire surface of the heating roller with a dry cloth.
3. Next, clean the entire surface with a cloth dampened with water (not alcohol).
4. Finally, clean the entire surface again with a dry cloth.

Hot Roller

1. Always inspect and clean a hot roller for contamination by grease before re-installing it. This is especially important for a used roller that is to be re-installed.

   Important

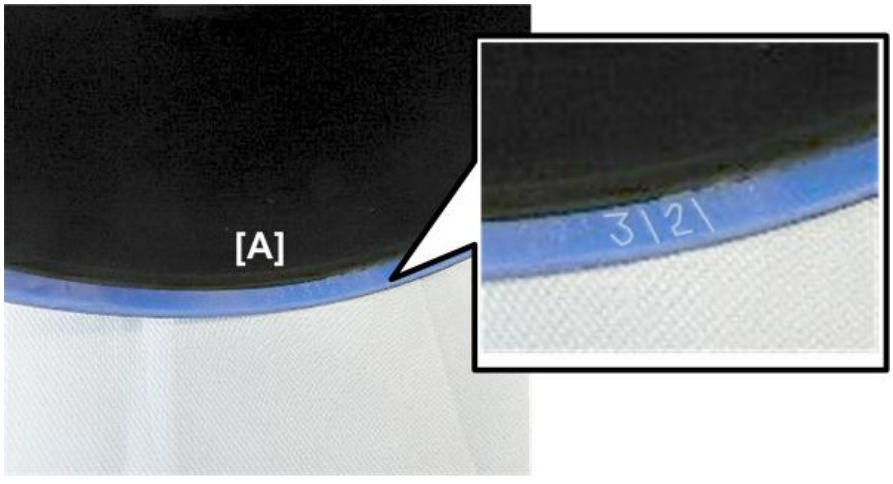
   - Grease on the surface of the hot roller can cause the surface of the roller to peel.
   - If peeled particles reach the surface of the fusing belt, this can cause glossy patches or streaks to appear on prints.

d1793853

2. Clean the entire surface of the hot roller with a dry cloth.
3. Next, clean the entire surface with a cloth dampened with water (not alcohol).
4. Finally, clean the entire surface again with a dry cloth.

Fusing Belt

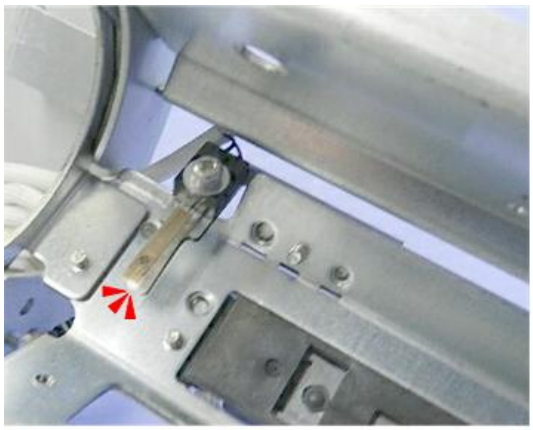
1. The front edge of the fusing belt [A] is marked with faint numbers, letters, and lines.
2. This edge should always be installed at the front end of the unit.



d1793854

Heating Roller Thermistor

1. At the rear, inspect and clean the heating roller thermistor with a clean cloth.



d1793855

Heating Roller, Hot Roller Bearings

1. Separate the bearings and flanges.

d1803804

2. Apply Fluotribo MG Grease to the inner surfaces of the flanges and bearings.

d1803805

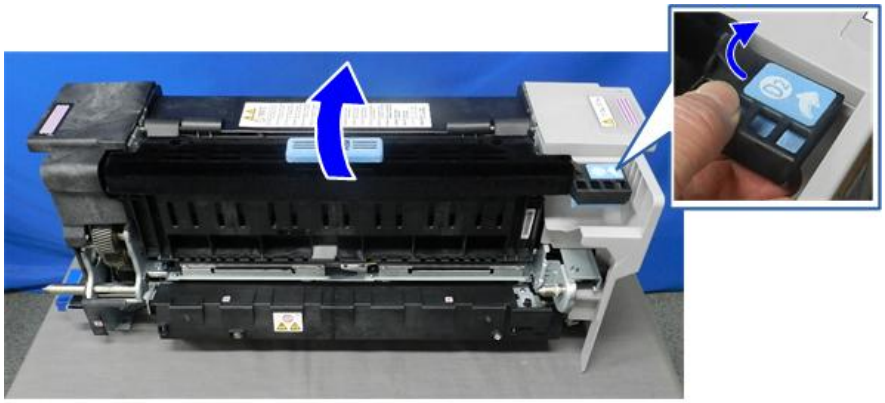
3. Set the lubricated flanges so that the ridge on each end of the fusing belt hangs over the rims of the flanges as

shown below.

d1793861

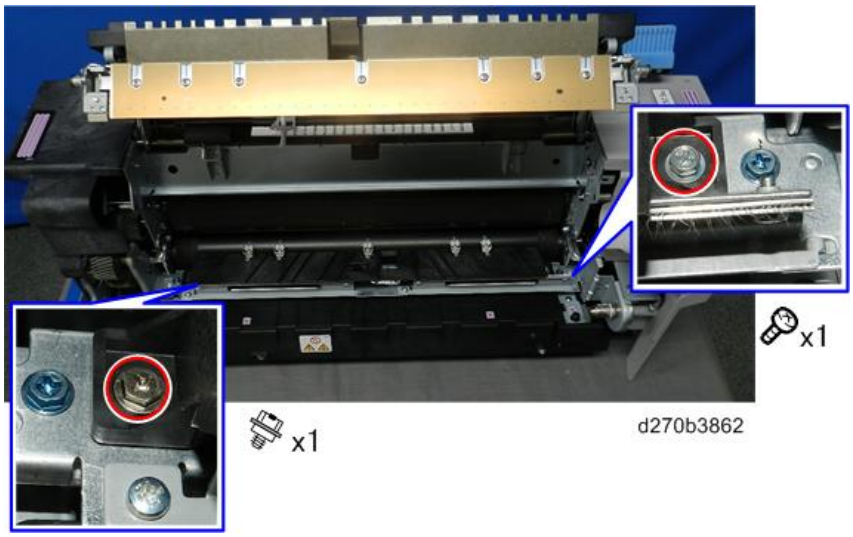
Pressure Roller Strippers, Fusing Path Sensors, Anti-static Brushes

1. Remove the fusing unit. (Removing the Fusing Unit)
2. Release **D2** and then raise the separation unit.



d270b3861

3. Disconnect both ends of the pressure roller stripper cover (x1, x1).



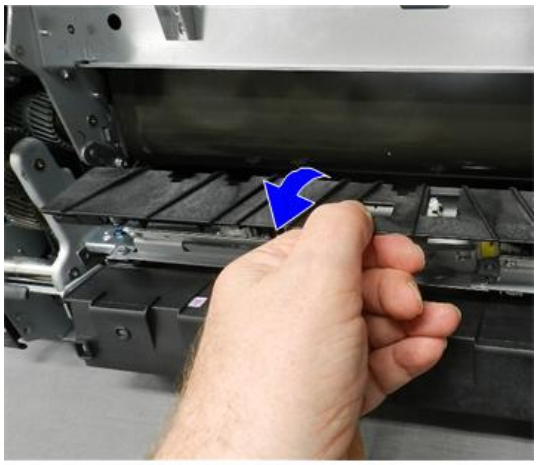
d270b3862

Note

- The rear screw [A] and front screw [B] are different and must be re-attached at the same locations.

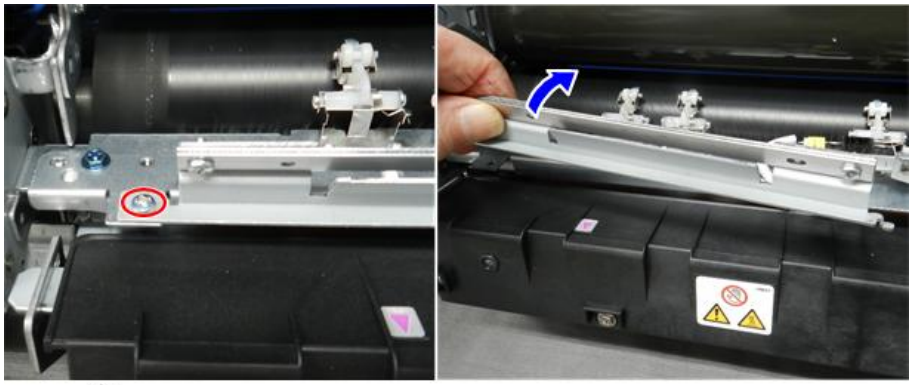
m263d4601

4. Remove the cover [A].



d270b3863

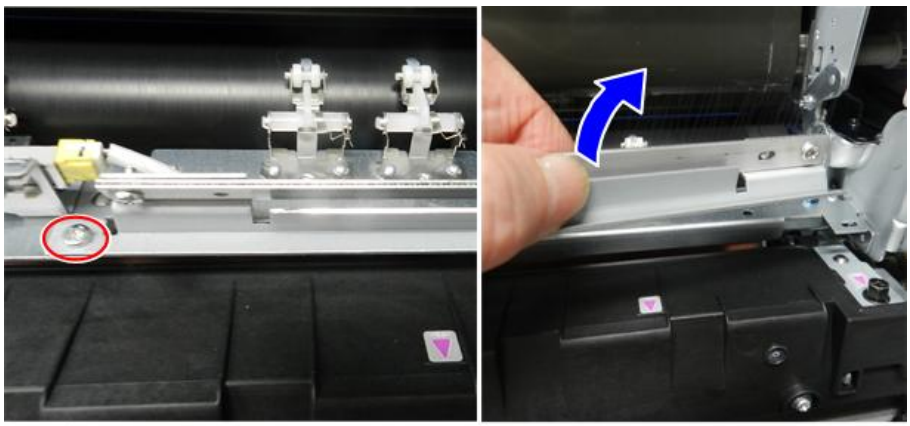
5. Remove the rear anti-static brush bracket (x1).



x1

d270b3864

6. Remove the front anti-static brush bracket (x1).

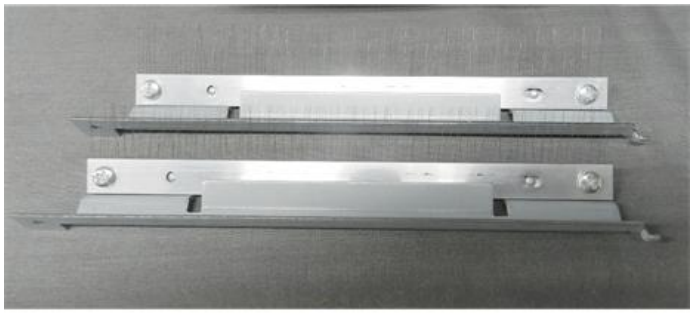


x1

d270b3865

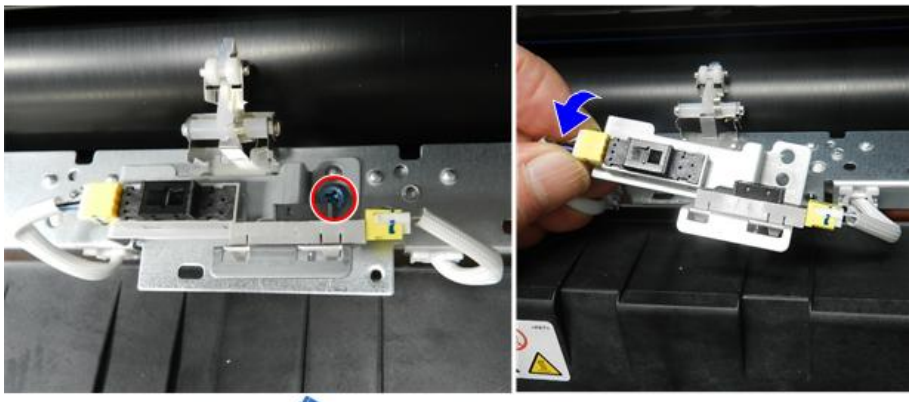
Note

- These static brushes are installed to scavenge stray toner. The brackets are identical.



d270b3866

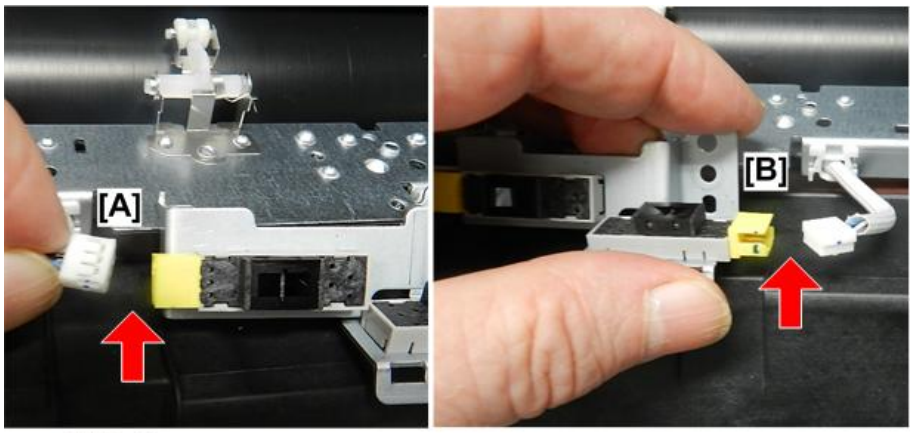
7. Disconnect the sensor bracket (x1).



x1

d270b3867

8. Disconnect the exit sensor [A] and the pressure roller paper sensor [B] (x1).



x2

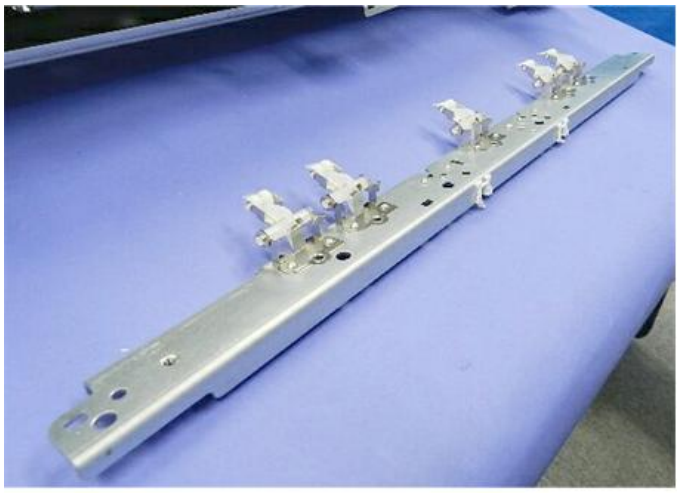
d270b3868

9. Disconnect both ends of the pressure roller stripper bracket [B] (x2).

10. Pull the stripper bracket away slightly from the unit, and then free the harnesses (x2.

11. Remove the pressure roller stripper bracket.

12. Lay the bracket on a clean flat surface.

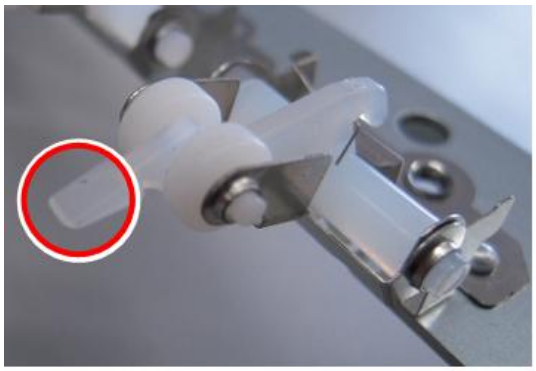


d1793867

Pressure Roller Stripper Pawls

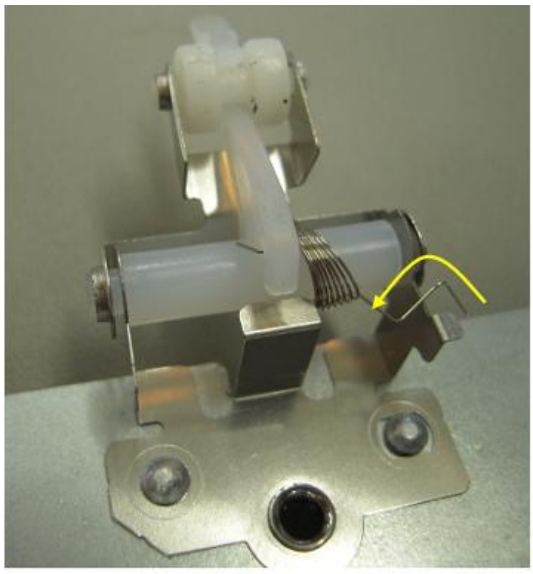
Important

- Before re-assembly, check each pawl to see if any one is warped or broken.
- Check the tip of each pawl (circled above) to see if it is bent or damaged.
- A damaged tip can cause pawl marks to appear on paper, and cause other problems like allowing paper to wrap around the pressure roller.



d1803824

1. Disconnect the coil spring from the bracket.



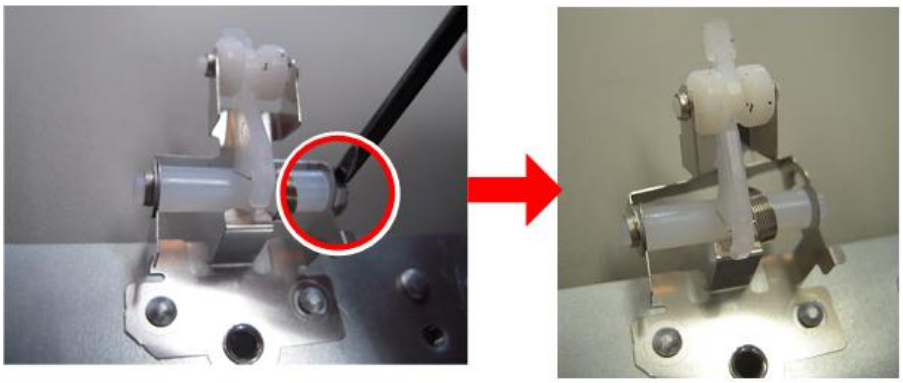
d1803825

Note

- When you re-attach the long hook of the coil spring, wrap it under the rotating arm first, and then set the tension spring.

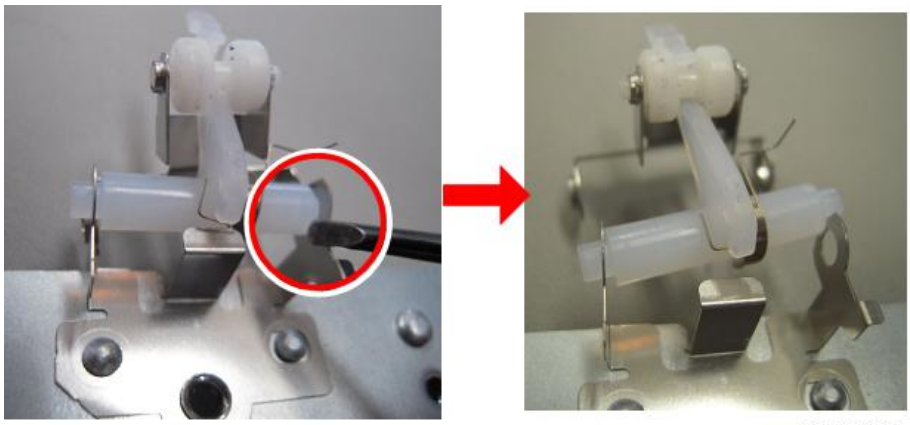
m263d4602

2. Open the holder attached to the outside of the bracket, rotate the pawl, and then remove it from the tip of the arm.



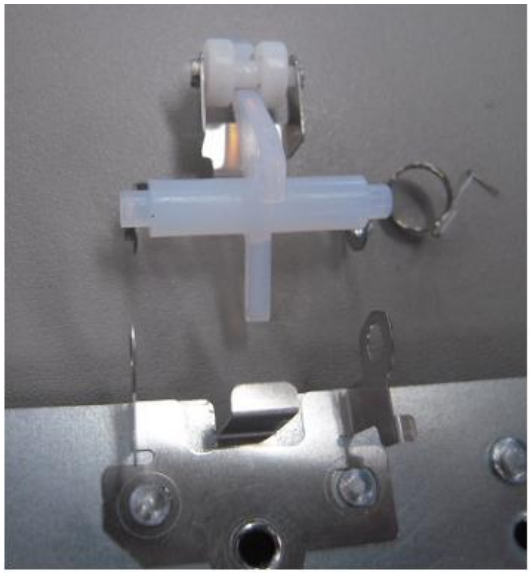
d1803827

3. Open the bracket and then remove the stripper pawl rotation arm.



d1803828

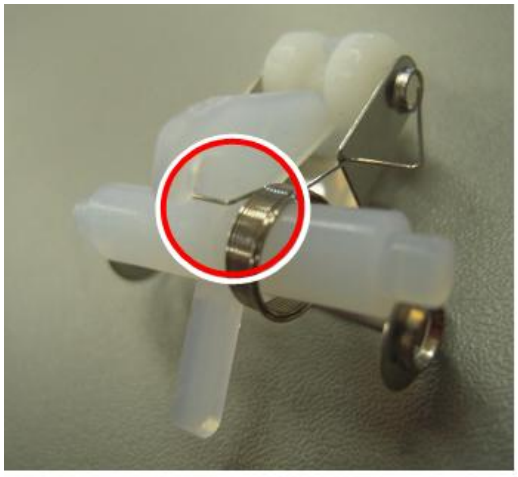
4. Remove the coil spring from the pawl rotation arm.



d1803829

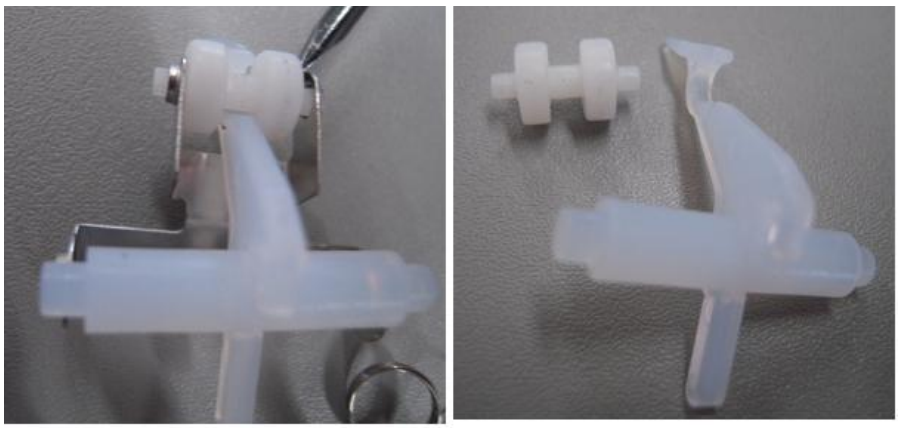
Note

- When you re-attach the coil spring, set the short hook (circled red) on the pawl first, and then set the pawl and spring.



d1803830

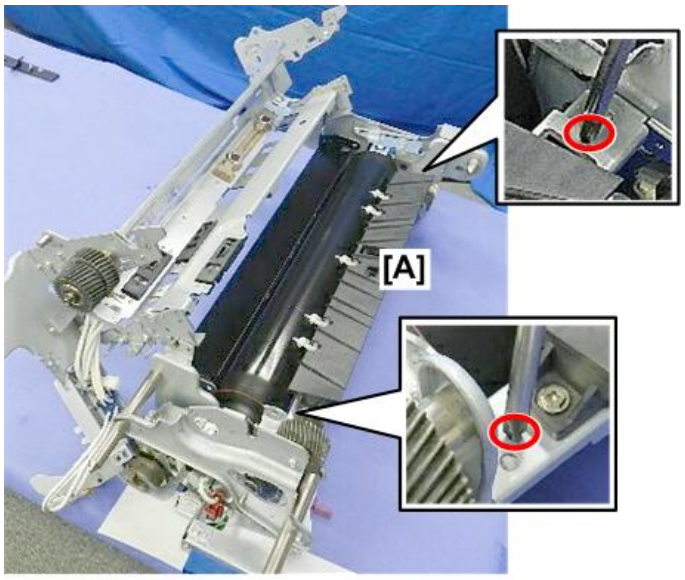
5. Open the holder, and then separate the pawl and the arm shaft.



d1803831

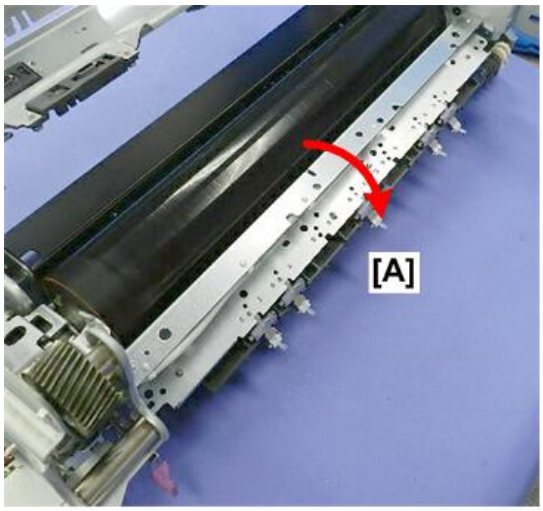
Pressure Roller Fusing Lamp, Pressure Roller

1. Remove the heating roller fusing lamps. (Heating Roller Fusing Lamps)
2. Remove the hot roller, heating roller, and fusing belt. (Hot Roller, Heating Roller, Fusing Belt)
3. Disconnect both ends of the pressure roller stripper bracket [A] (x2). (Removing the cover is not necessary.)



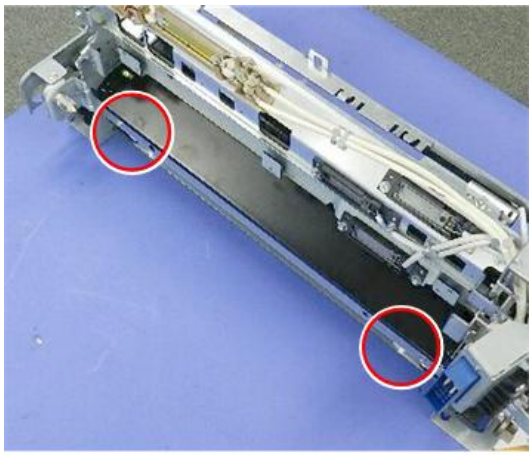
d1793868

4. Turn the stripper bracket [A] away from the pressure roller.



d1793869

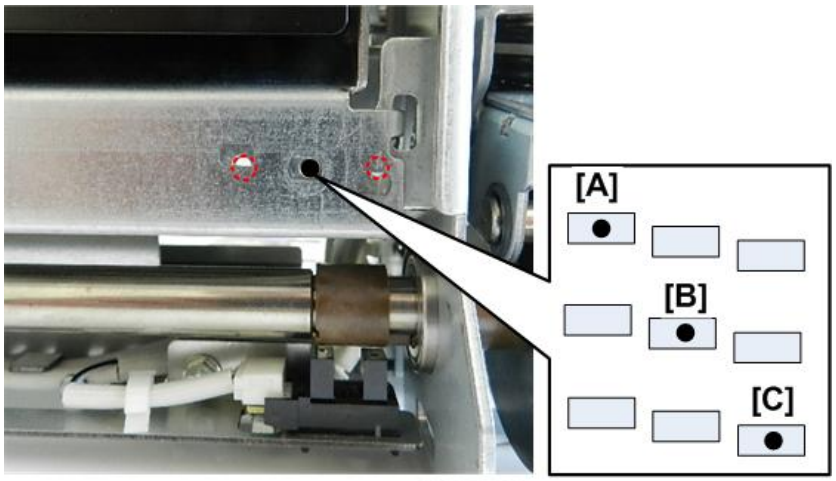
5. Disconnect both ends of the side plate (x2).



d1793870

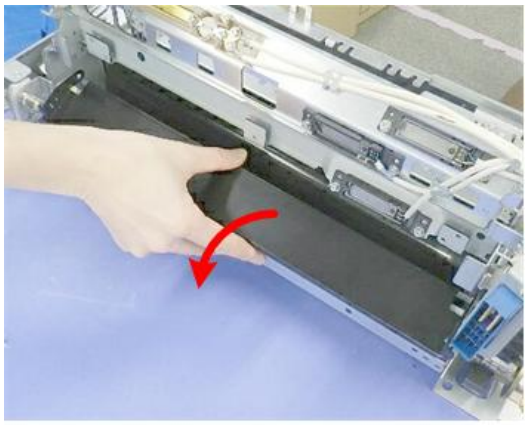
Important

- At re-installation of this plate, the screw must be attached at the center hole [B]. This hole is the default position. The other off-set holes are used to adjust the height of the plate. For more details about this adjustment, see the “Troubleshooting” section.



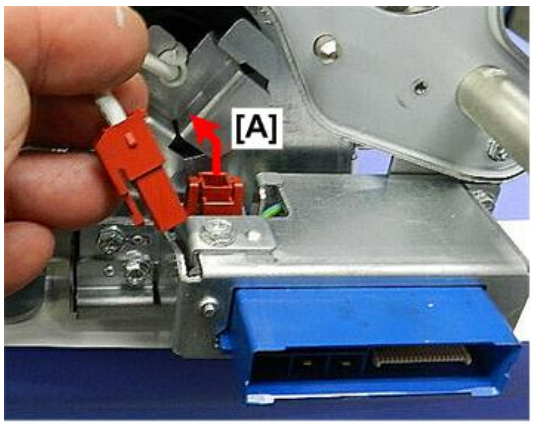
d1803806

6. Remove the side plate.



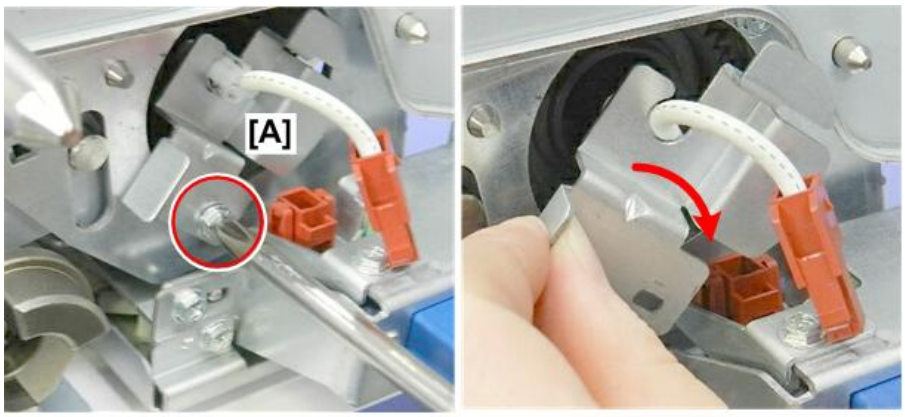
d1793871

7. At the rear, disconnect the pressure roller fusing lamp [A] (x1).



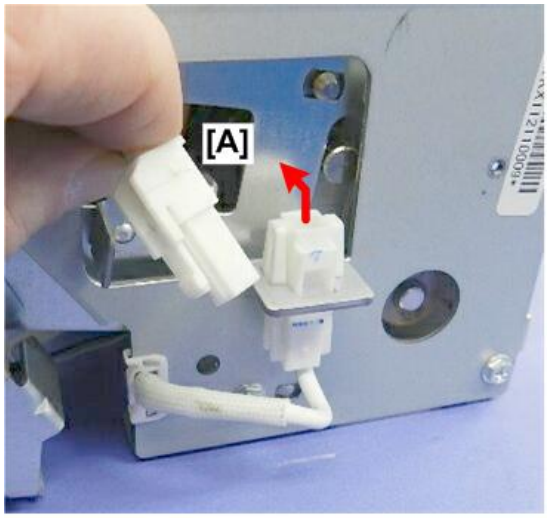
d1793872

8. Remove the pressure roller lamp bracket [A] (x1).



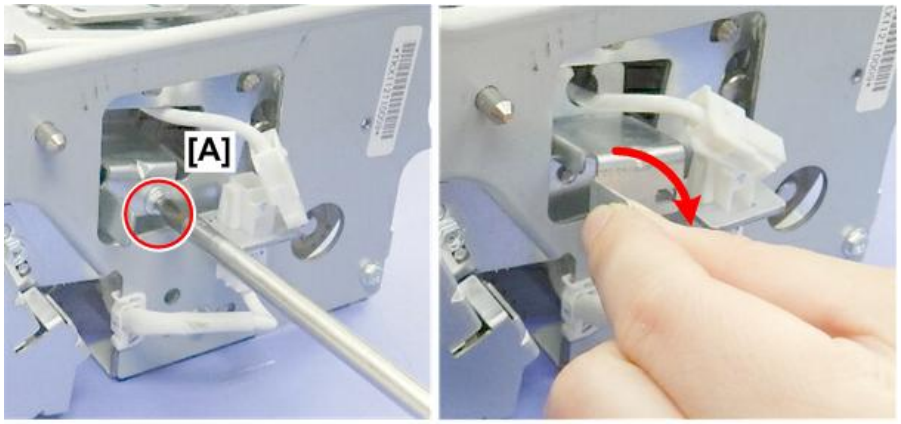
d1793873

9. At the front, disconnect the pressure roller lamp [A] (x1).



d1793874

10. Remove the pressure roller lamp bracket [A] (x1).

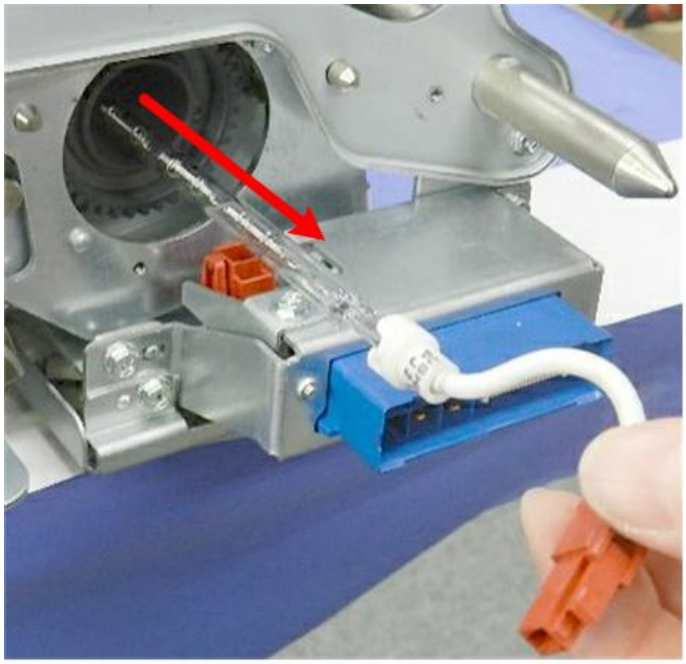


d1793875

11. At the rear, pull out the pressure roller lamp.

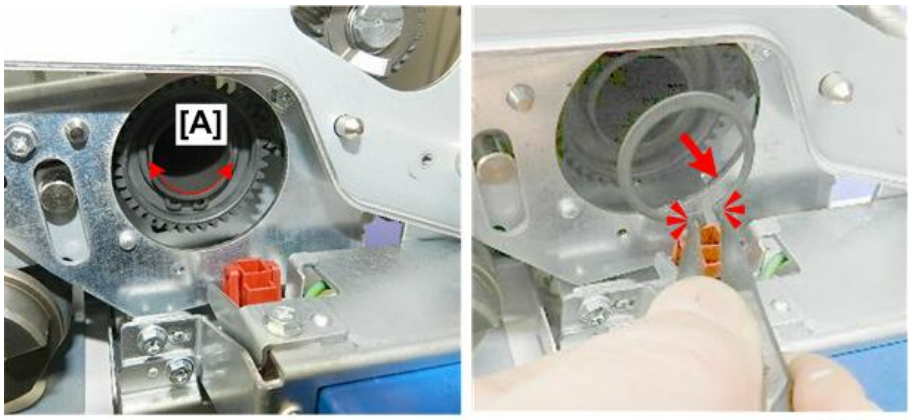
Important

- Always handle the fusing lamps by holding them on the ends. Never touch the surface of a fusing lamp.



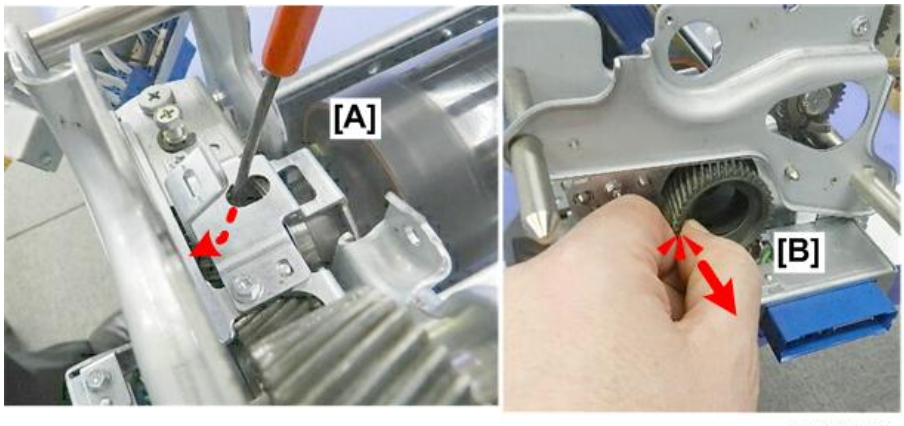
d1793876

12. Lay the lamp on a flat clean surface.
13. Use spreaders to disconnect the rear end of the pressure roller [A] (x1).



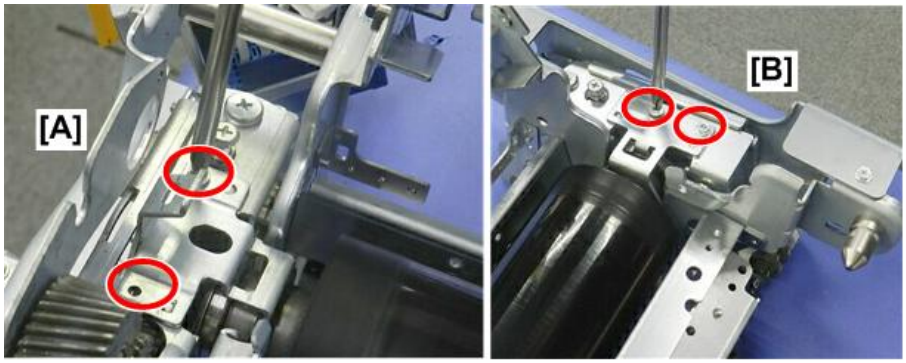
d1793877

14. Above the rear end of the pressure roller, insert a small driver through the cut-out [A] and push the gear out.
15. Remove gear [B].



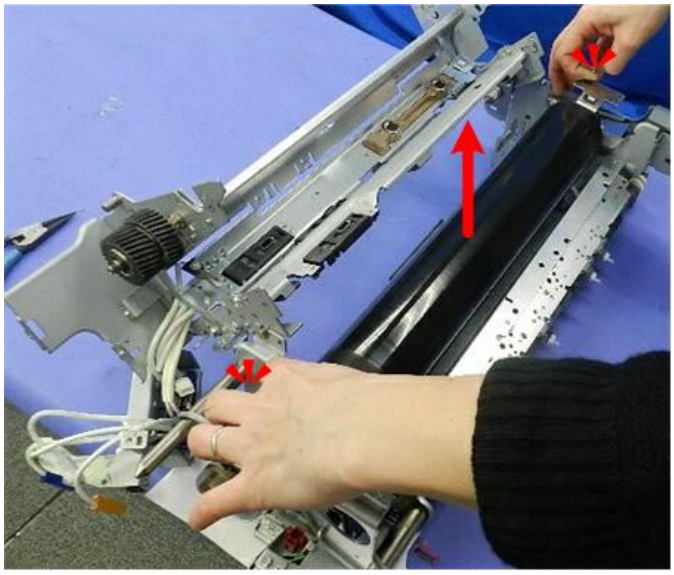
d1793878

16. Disconnect the pressure roller holding bracket at the rear [A] (x2).
17. Disconnect the pressure roller holding bracket at the front [B] (x2).



d1793879

18. Grip the holding brackets on each end of the pressure roller, lift straight up, and then remove the roller.

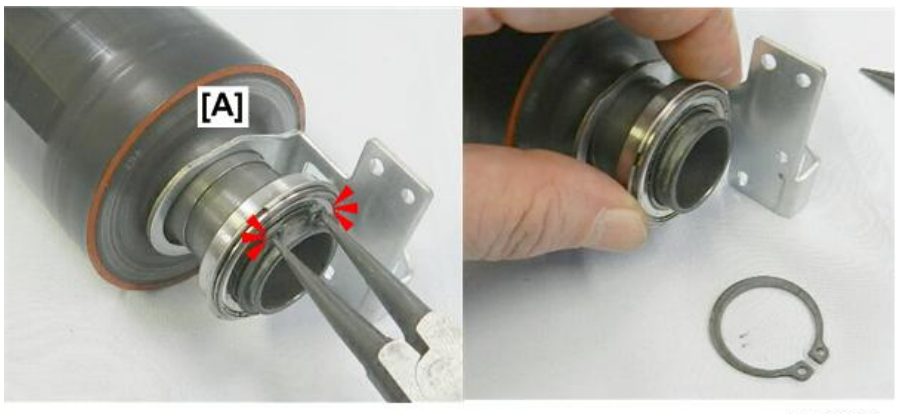


d1793880

19. Lay the roller on a flat clean surface.

Pressure Roller Cleaning, Lubrication

1. Use spreaders to disconnect the bearing from the front end of the pressure roller [A] (x1).



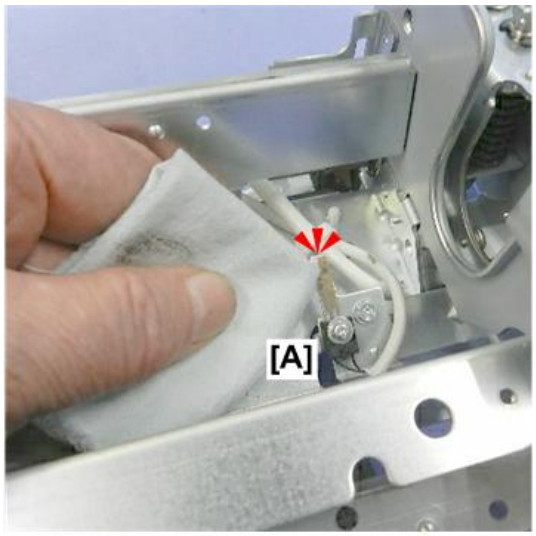
d1793881

2. Pull the other bearing from the other end of the pressure roller (there is no fastener on the other bearing).

3. Spin the races of the bearings and make sure that they rotate easily.
4. If they do not turn easily, they must be replaced.

d1793882

5. At the bottom of the frame (near the front), inspect and clean the pressure roller thermistor [A] with a clean cloth.



d1793883

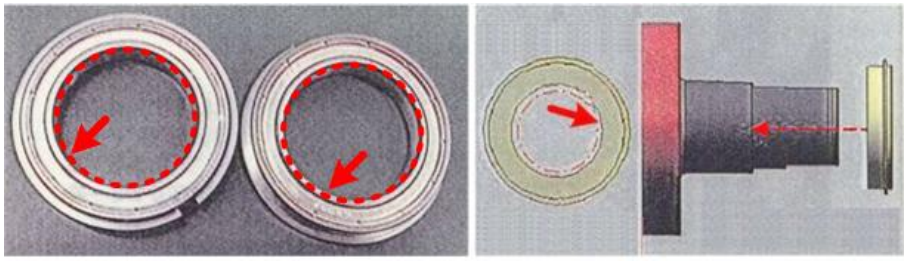
6. Always inspect and clean the pressure roller for contamination by grease before re-installing it.

Important

- Grease contamination can cause uneven heating on the surface of the roller and cause problems during fusing.

d1793884

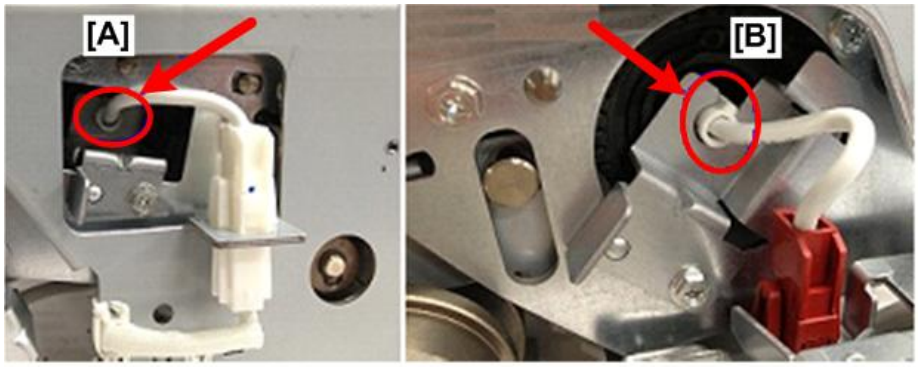
7. Clean the entire surface of the roller with a dry cloth.
8. Next, clean the entire surface with a cloth dampened with water (not alcohol).
9. Finally, clean the entire surface again with a dry cloth.
10. Use a small brush, or the tip of a small flat-tip screwdriver, etc. to apply Fluotribo MG grease to the inside surfaces of the pressure roller races.



d1793885

Pressure Roller Re-installation

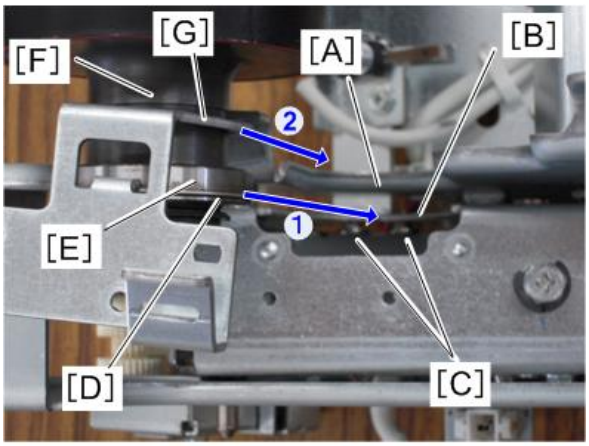
1. When installing the pressure roller, check the lamp harnesses at the front [A] and rear [B].



d1793986

Front (Pressure Roller – Top View)

A	Front frame bend
B	Front moving frame
C	Step screws (x2)
D	Ball bearing flange
E	Ball bearing race
F	Pressure roller front
G	Front bracket

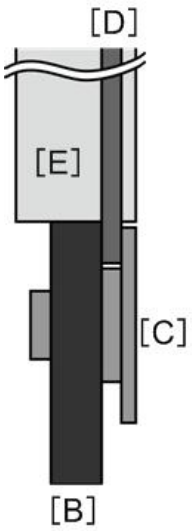


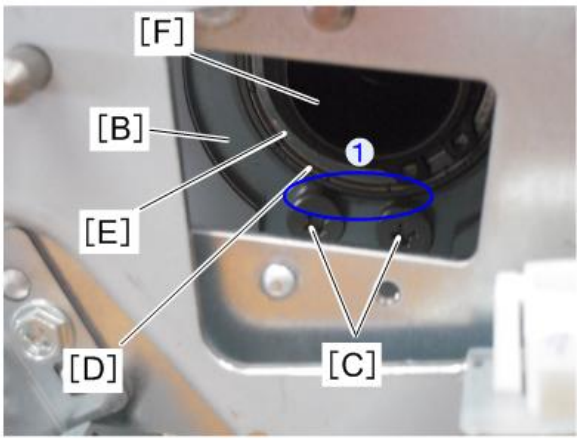
d1791307

2. The ball bearing flange should be between the frame and the step screw.
3. The front bracket should be behind the bend in the frame.

Pressure Roller - Front

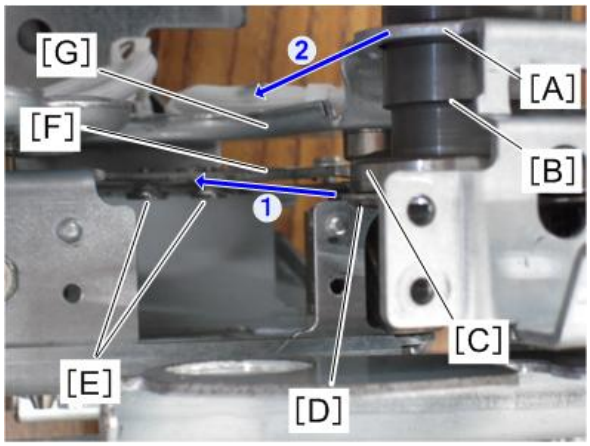
B	Front moving frame
C	Step screw
D	Ball bearing flange
E	Ball bearing race
F	Pressure roller front





d1791308

A	Rear bracket
B	Pressure roller rear
C	Ball bearing race
D	Ball bearing flange
E	Step screws (x2)
F	Frame bend
G	Moving frame rear

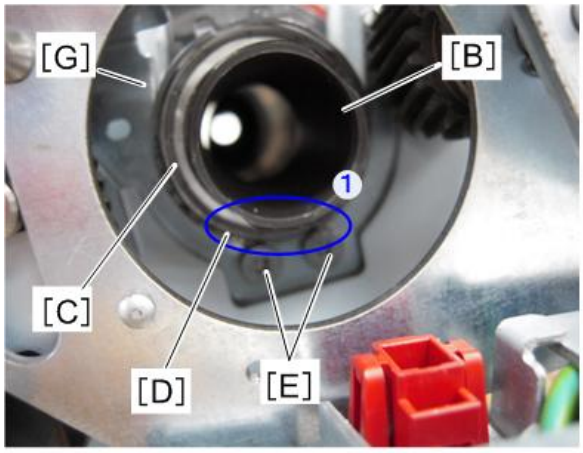


d1791309

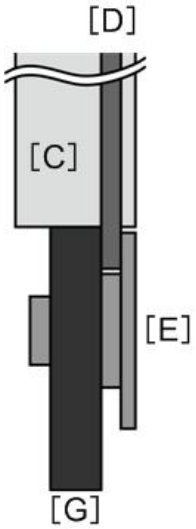
4. The ball bearing flange should be between the rear movable frame and the step screws.
5. The bracket should be behind the rear movable roller.

Pressure Roller - Rear

B	Pressure roller rear
E	Step screws (x2)
D	Ball bearing flange
C	Ball bearing race
G	Moving frame rear



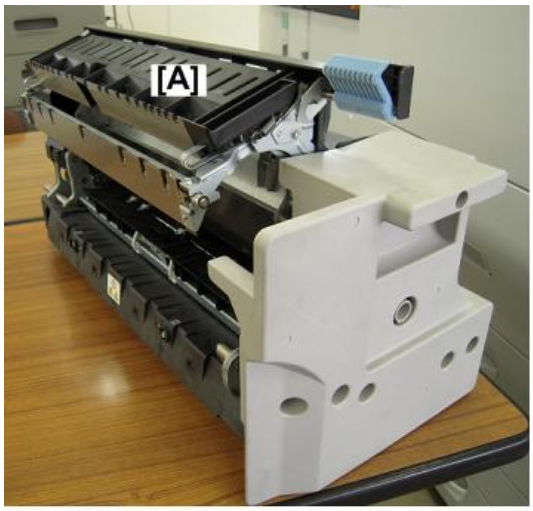
d1791310



Separation Plate

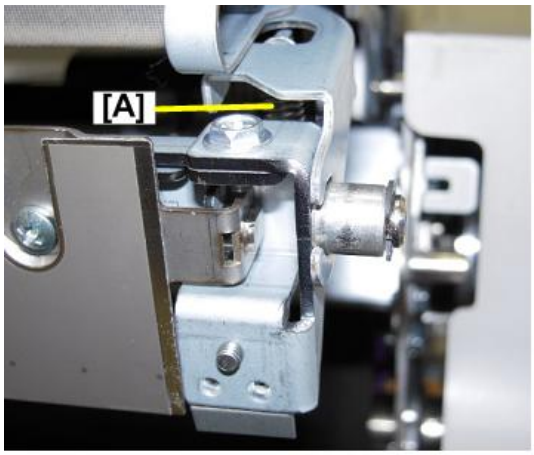
1. Remove the fusing unit. (Removing the Fusing Unit)

2. Open the exit guide [A].



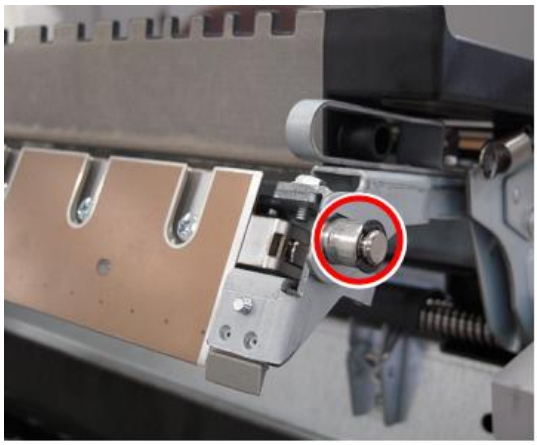
d1803820

3. At the front, remove springs from front and rear end of the separation plate. [A] shows the front.



d1803821

4. Disconnect both ends of the separation plate, and then remove the collars (x2).
5. Lift both ends of the guide plate out of the cut-outs, and then remove the guide plate.



d1803822

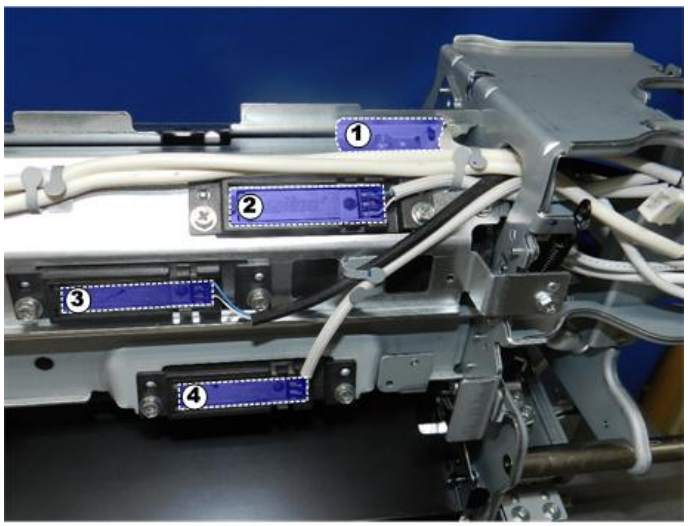
Thermostats, Thermistors, NC Sensors

Hot Roller Heating Roller Sensors, Heating Roller Thermistor

1. Remove the separation unit.
2. Remove the front and rear covers.
3. Remove the right cover, and the separation unit cover.

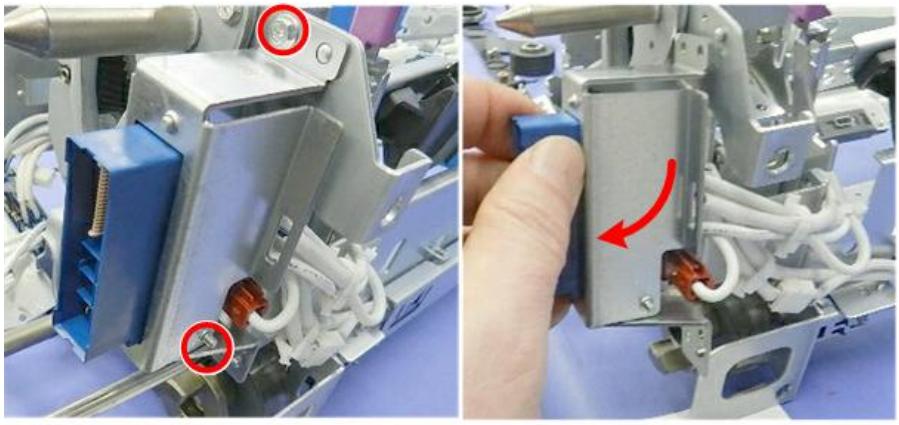
   These components must be removed together:

①	Heating Roller Thermistor (Bracket)
②	Hot Roller NC Sensor (Short White Harness)
③	Heating Roller NC Sensor - Center (Black Harness)
④	Heating Roller NC Sensor - End (Long White Harness)



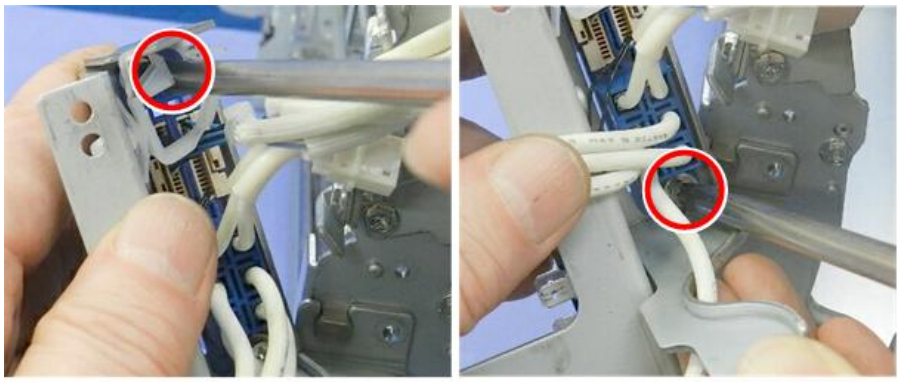
d270b3817

4. At the rear, disconnect the connector bracket (x2).



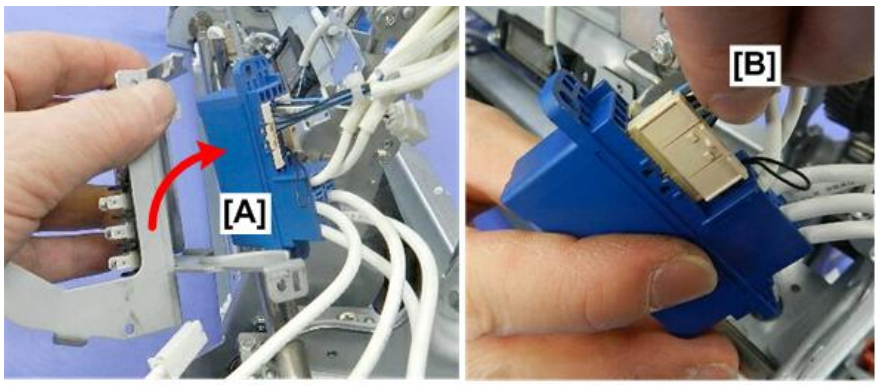
d1793888

5. Inside the bracket, disconnect the top and bottom of the plastic connector cradle (x2).



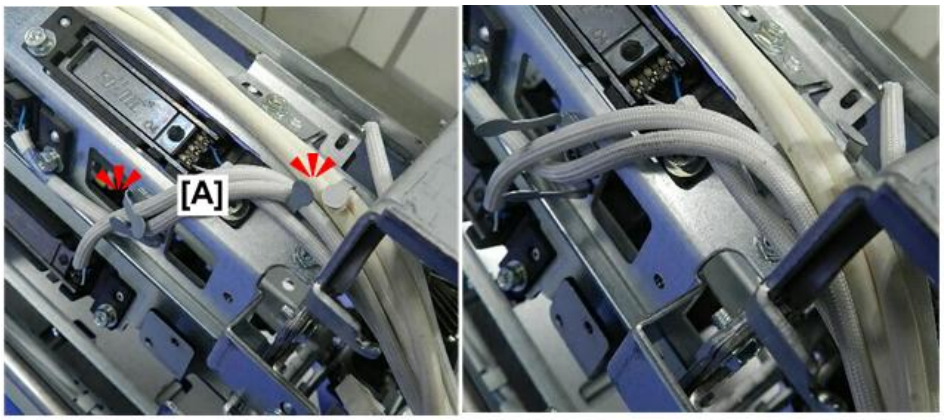
d1793889

6. Pull out the connector cradle [A], and then disconnect the harnesses [B] (x1).



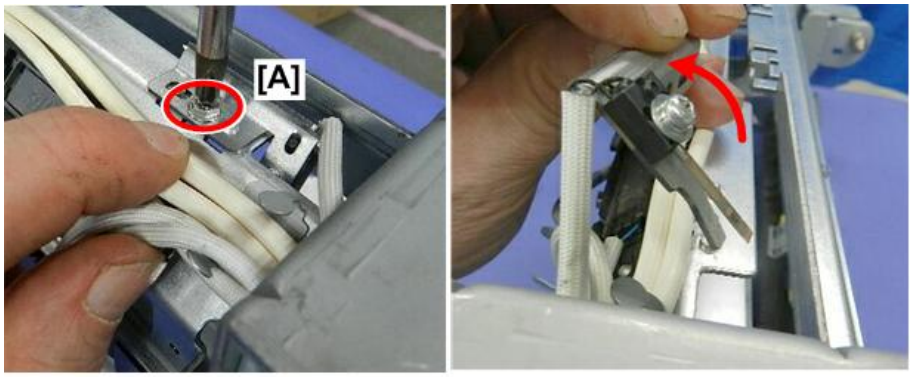
d1793890

7. Open the metal clamps to free the harnesses [A] (x2).



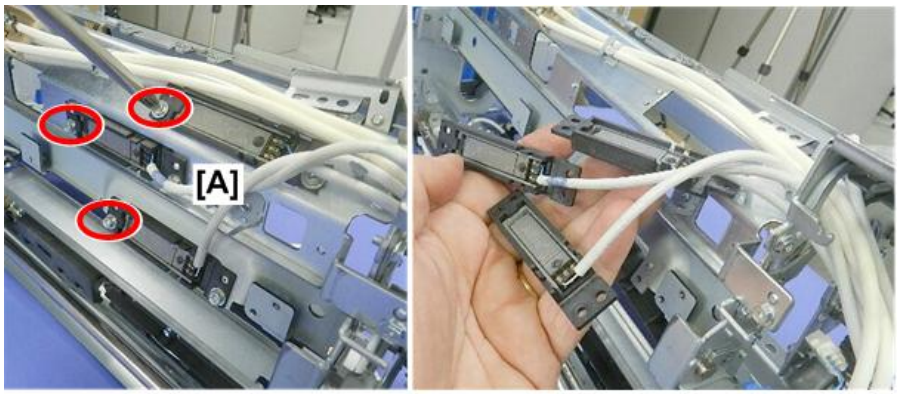
d1793891

8. Disconnect the heating roller thermistor [A] (x1).



d1793892

9. Disconnect the NC sensors on the right side of the unit [A] (x3).



d1793893

10. Remove the harnesses and connector together.

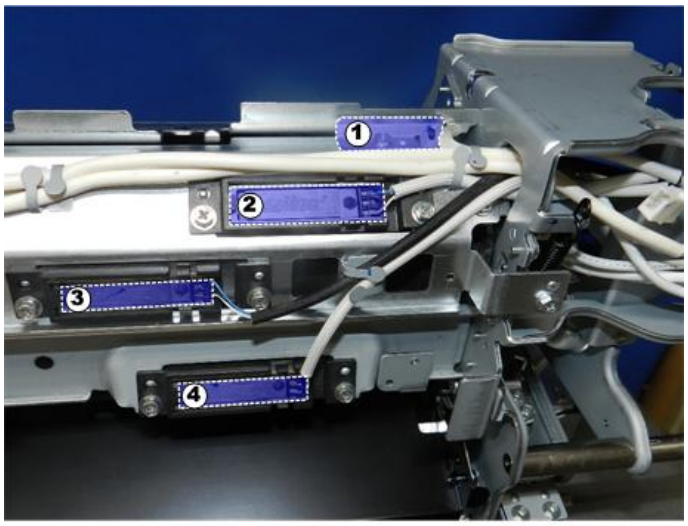
d1793894

Important

- At re-installation, re-connect the harnesses in the correct order and location.

①	Heating Roller Thermistor (Bracket)
②	Hot Roller NC Sensor (Short White Harness)

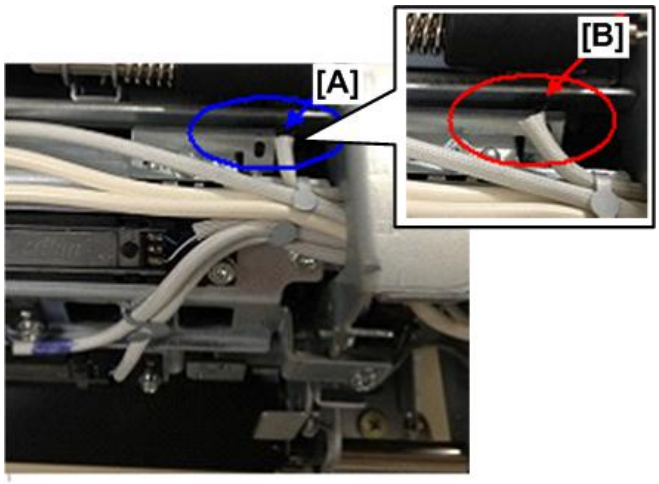
③	Heating Roller NC Sensor - Center (Black Harness)
④	Heating Roller NC Sensor - End (Long White Harness)



d270b3817

Re-installation: Heating Roller Thermistor

1. Check the position of the heating roller thermistor and make sure that it is positioned as shown at [A], and not like [B].



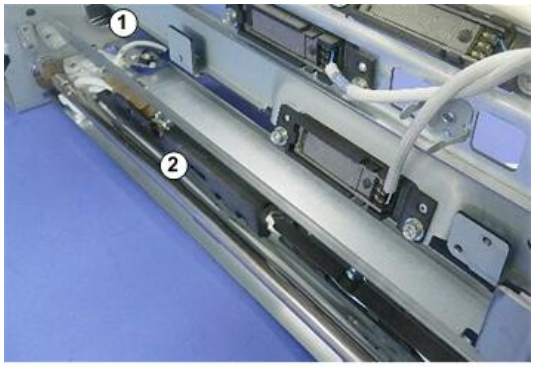
d270b3989

Pressure Roller Thermistor and NC Sensor

These elements are attached to the same harness and must be removed together:

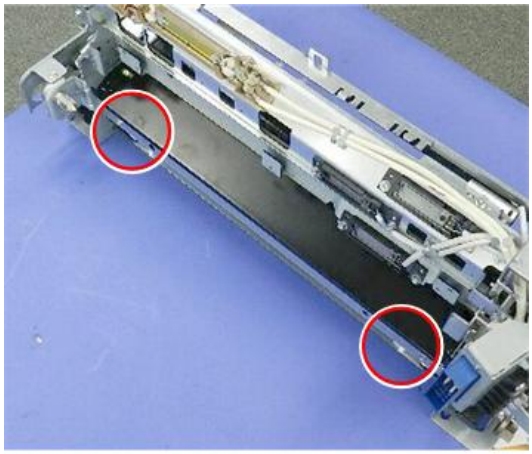
① Pressure roller thermistor

② Pressure roller NC sensor



d1793895

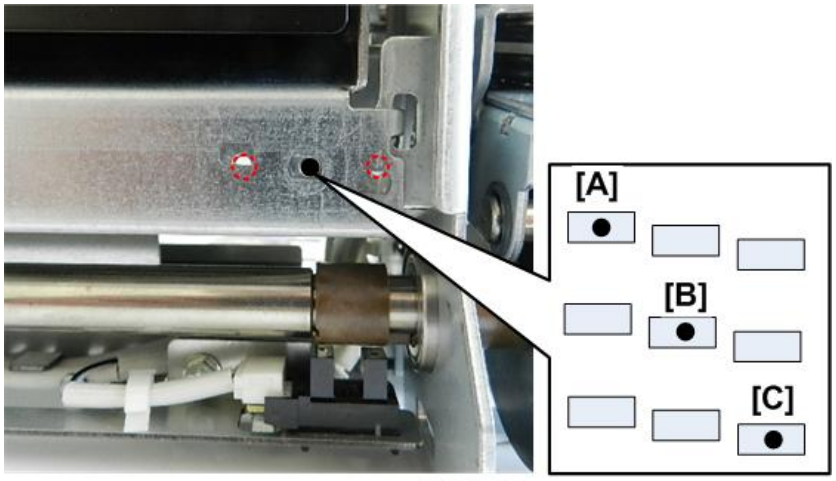
1. Disconnect both ends of the side plate (x2).



d1793870

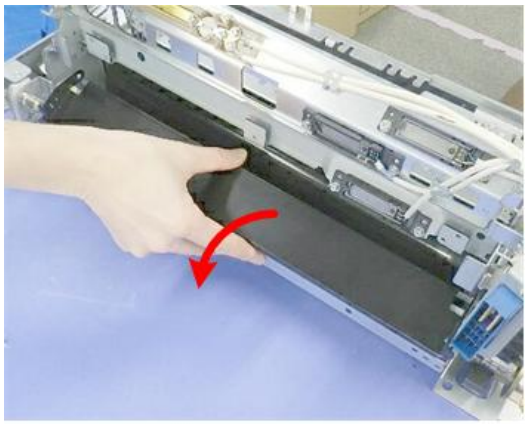
Important

- When re-installing this plate, the screw must be attached at the center hole [B]. This hole is the default position.
- The other off-set holes are used to adjust the height of the plate.



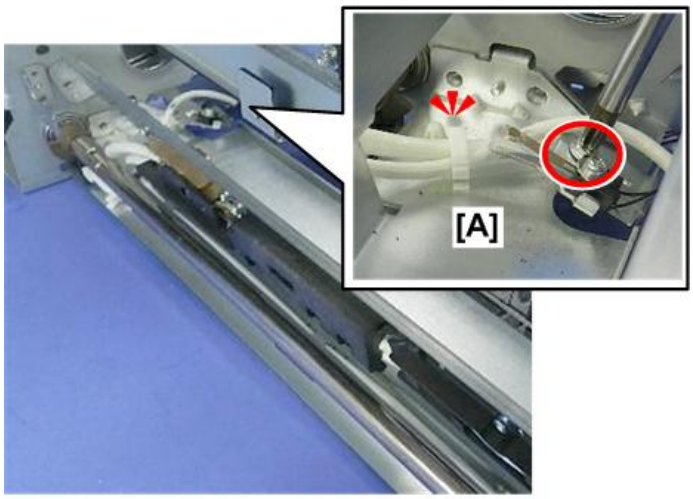
d1803806

2. Remove the side plate.



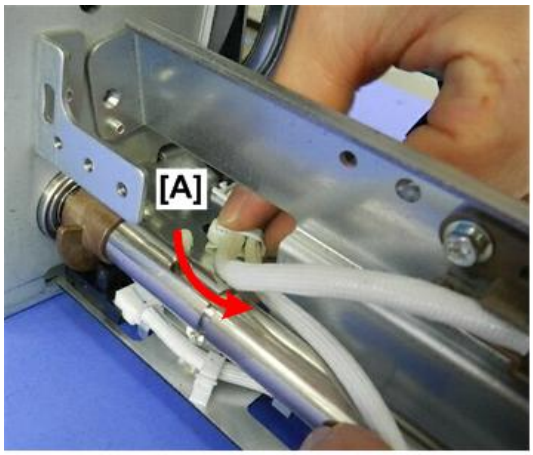
d1793871

3. At the front, disconnect the pressure roller thermistor [A] (x1, x1).



d1793896

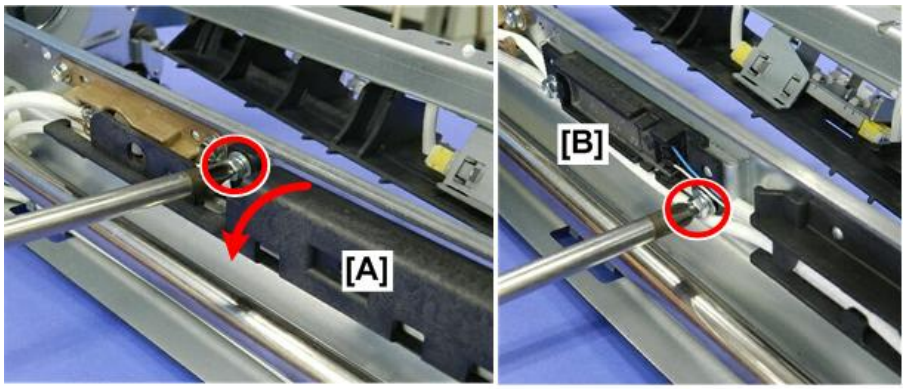
4. Pull the thermistor and its harness [A] through the frame.



d1793897

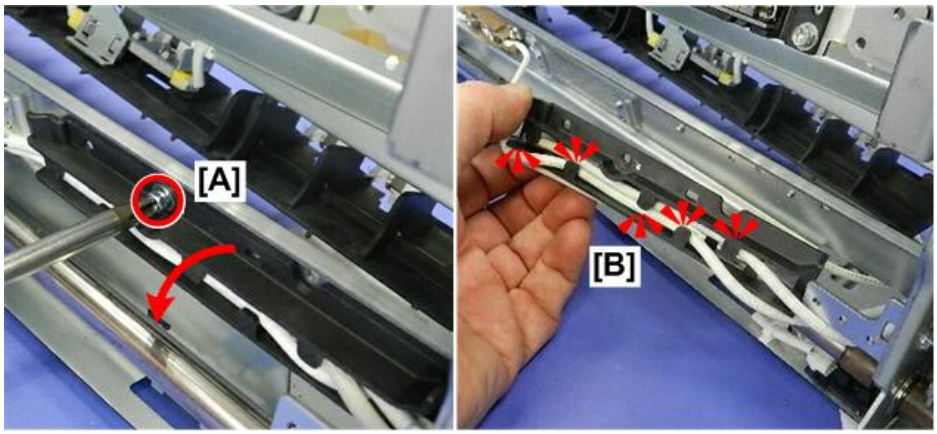
5. Remove the cover [A] (x1).

6. Disconnect the pressure roller NC sensor [B] (x1).



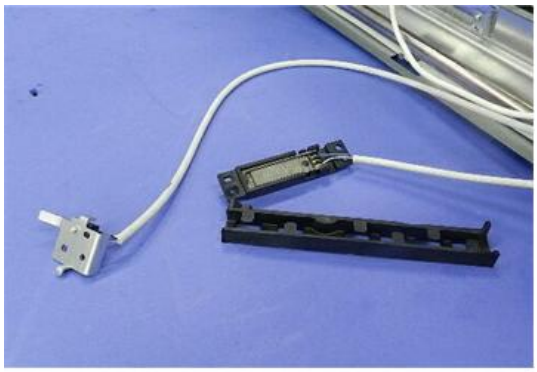
d1793898

7. Disconnect the harness cover [A], and then free the harnesses [B] (x1).



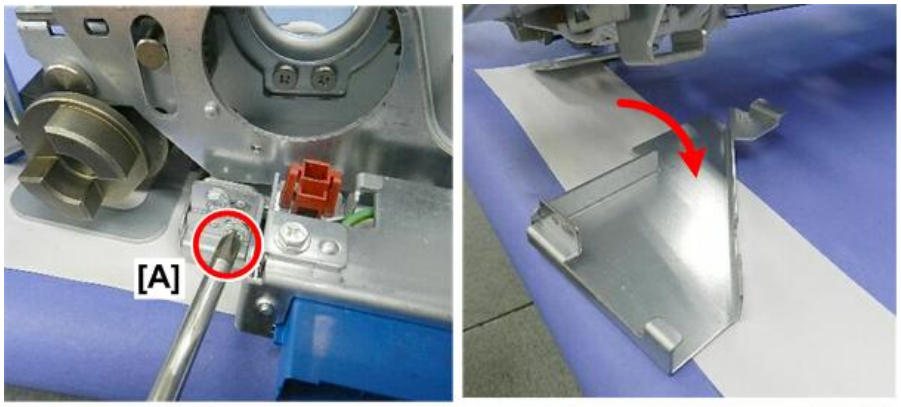
d1793899

8. Pull the NC sensor and thermistor away from the side of the unit.



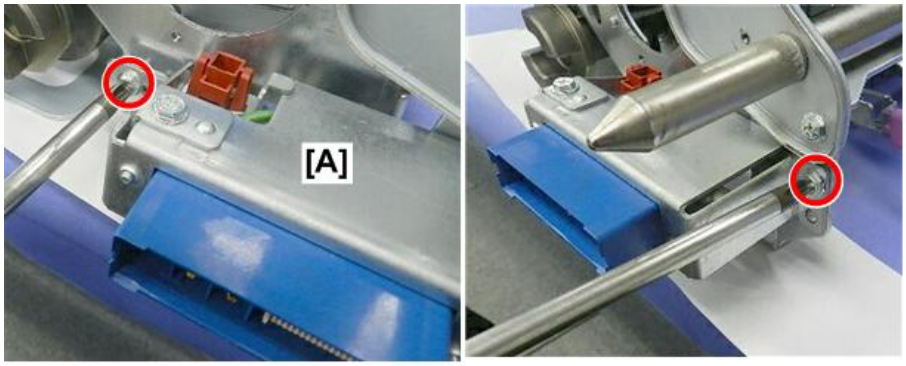
d1793900

9. At the rear, remove the bottom plate [A] (x1).



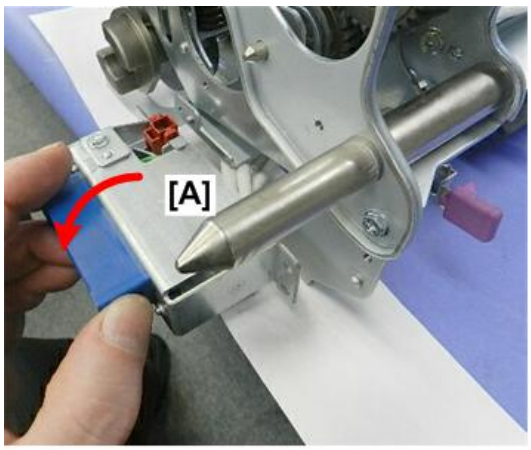
d1793887

10. Disconnect the rear connector bracket [A] (x2).



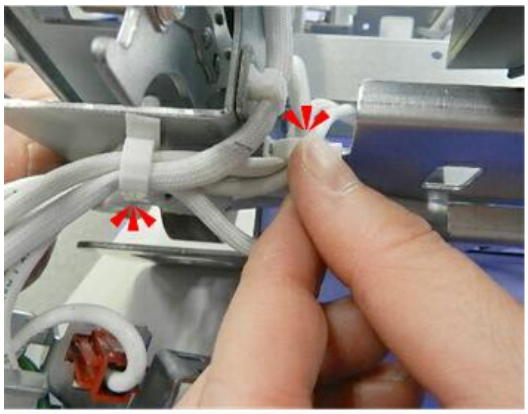
d1793901

11. Pull the connector bracket [A] partially away from the unit.



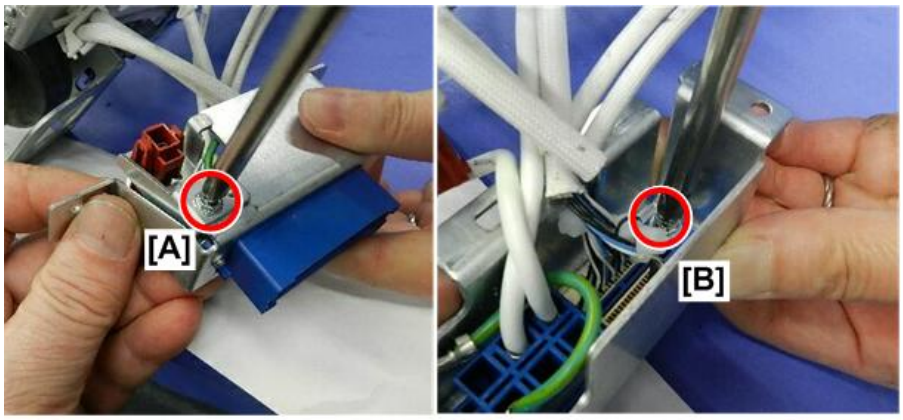
d1793902

12. At the rear corner, free the harnesses (x2).



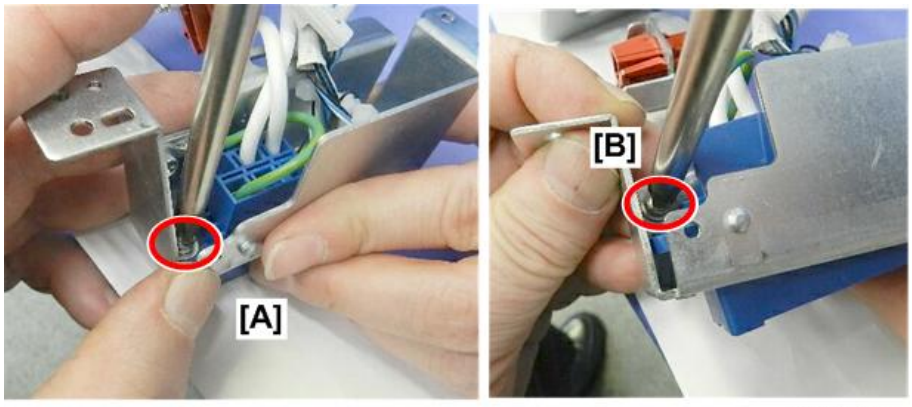
d1793903

13. Disconnect ground wire [A] (x1).
14. Remove screw [B] (x1).



d1793904

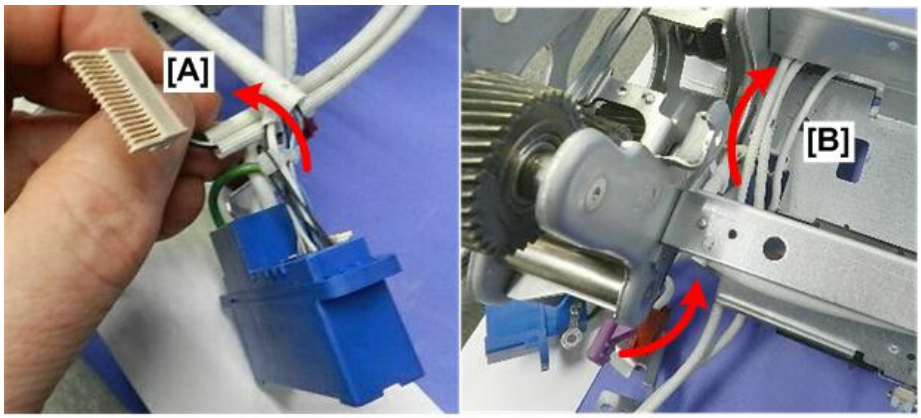
15. Separate the connector and bracket at [A] and [B] (x2).



d1793905

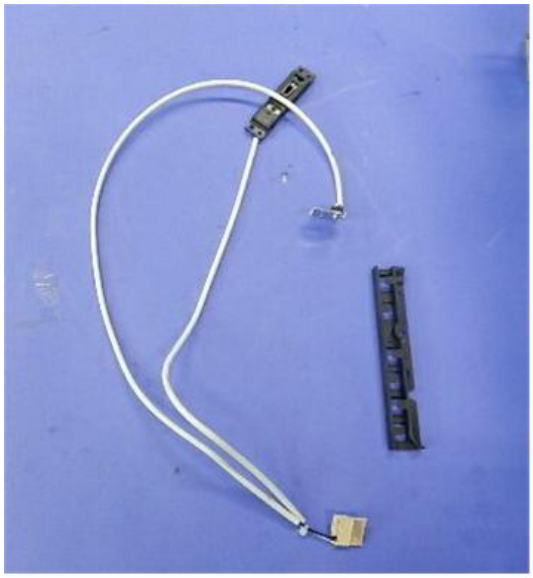
16. Disconnect the harness [A] (x1).

17. Pull the disconnected harness through the frame [B].



d1793906

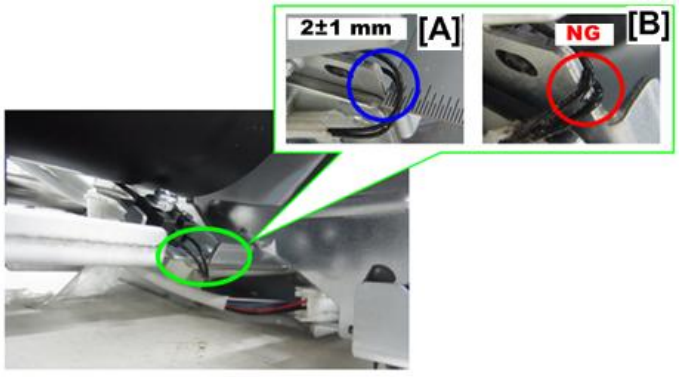
18. Lay the harness on a flat clean surface.



d1793907

Re-Installing the Pressure Roller Thermistor

1. When you re-install the pressure roller thermistor, leave some slack in the harnesses [A].
2. Make sure that the harnesses are not touching the bracket [B].



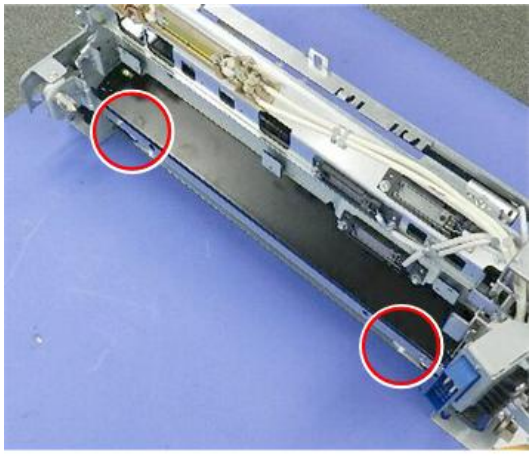
d270b3992

Note

If these cables are damaged, the machine will issue SC558. Check these cables if SC558 occurs frequently.

Pressure Roller Thermostat

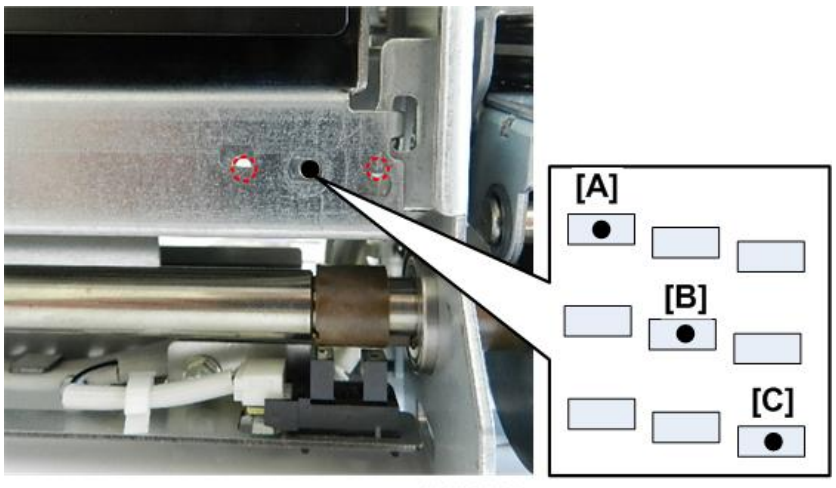
1. Disconnect both ends of the side plate (x2).



d1793870

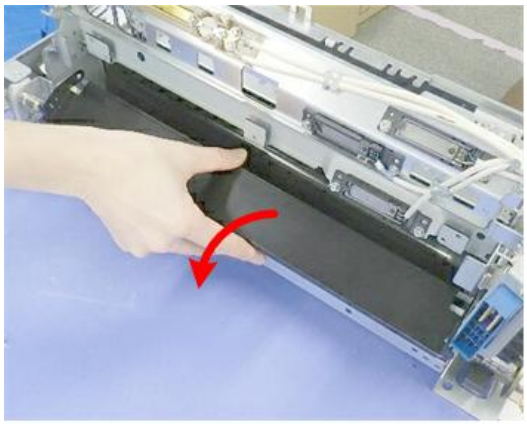
Important

- When re-installing this plate, the screw must be attached at the center hole [B]. This hole is the default position.
- The other off-set holes are used to adjust the height of the plate.



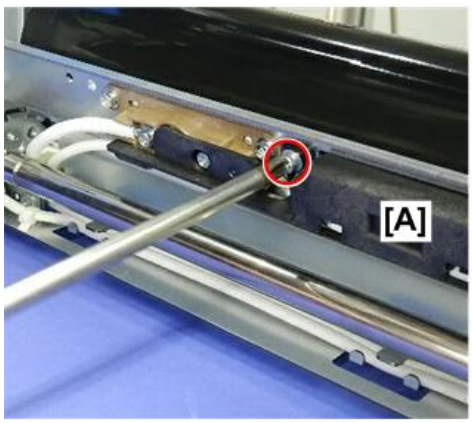
d1803806

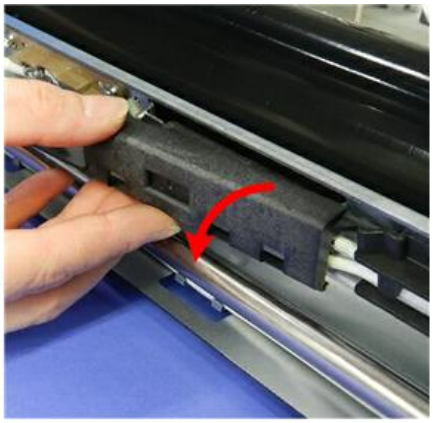
2. Remove the plate.



d1793871

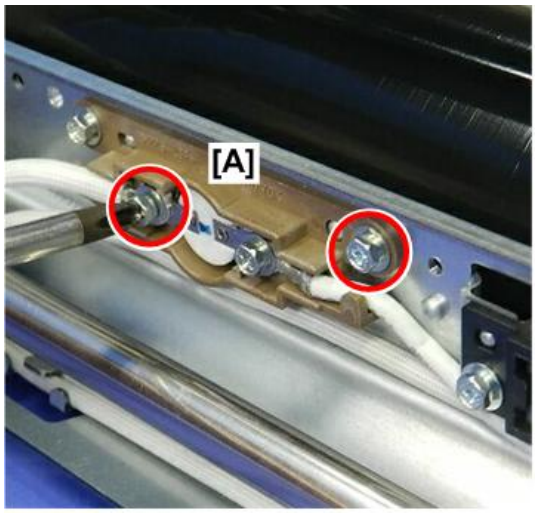
3. Remove the harness cover [A] (x1).





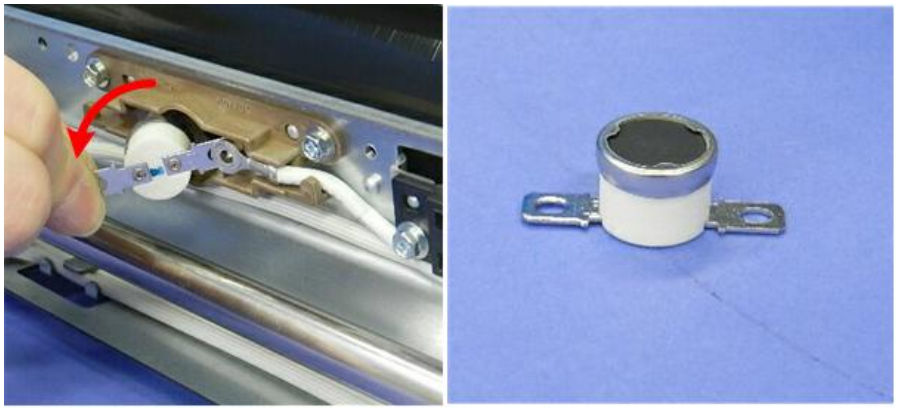
d1793908

4. Disconnect the thermostat [A] (x1).



d1793909

5. Remove the thermostat.



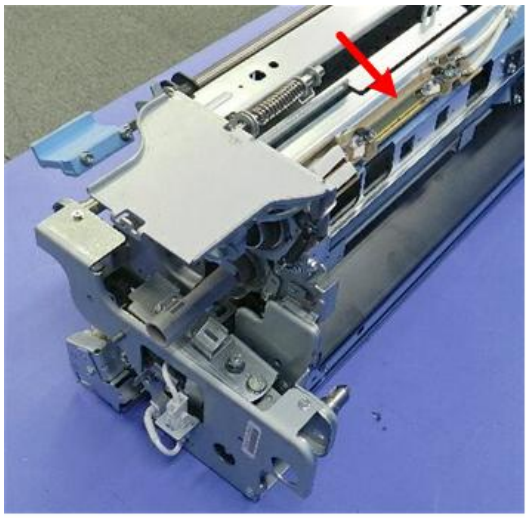
d1793910

⚠WARNING

- To prevent a fire, never attempt to reset a blown thermostat by manipulating the exposed edges of the black cover with a screwdriver, or by hitting it on a table.
- A thermostat that has been reset manually could fail and cause a fire.
- Always replace a blown thermostat with a new one

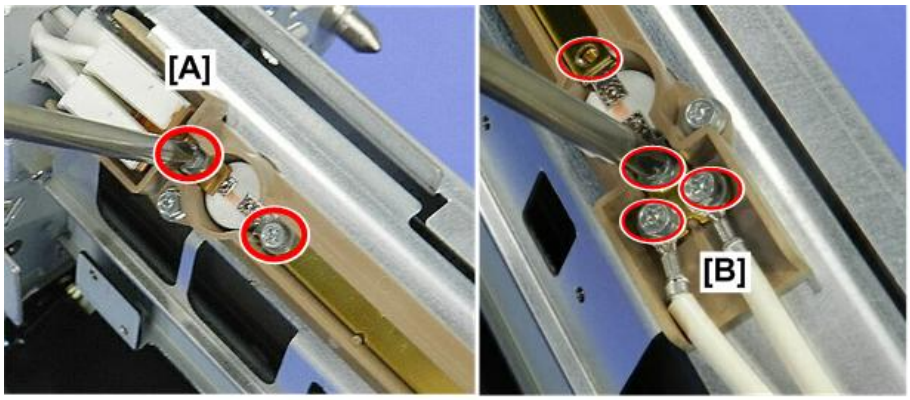
Heating Roller Thermostats

1. The heating roller thermostats are located on the right front side of the unit.



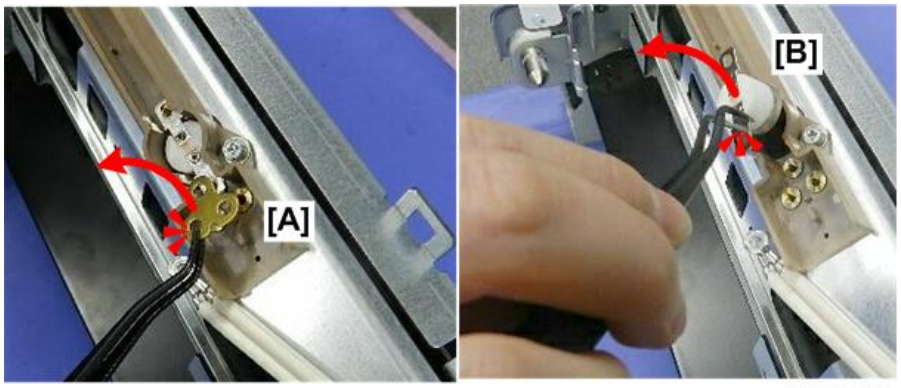
d1793911

2. Remove the thermostat and leaf screws [A] and [B] (x6).



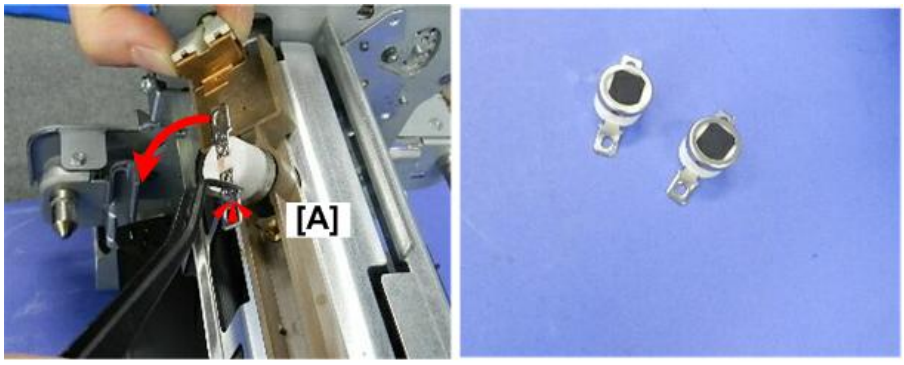
d1793912

3. Remove the gold leaf [A], and then remove the center thermostat [B].



d1793913

4. Remove the front thermostat.



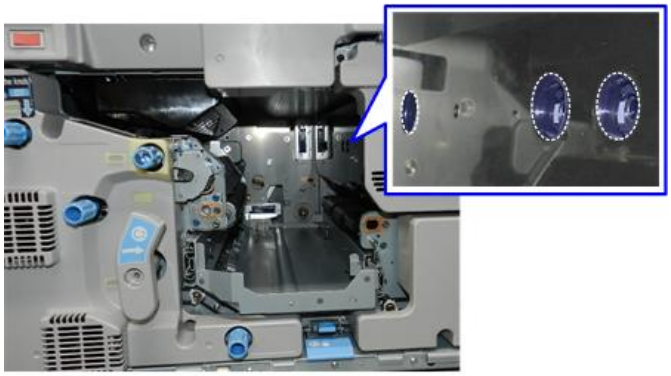
d1793914

⚠WARNING

- To prevent a fire, never attempt to reset a blown thermostat by manipulating the exposed edges of the black cover with a screwdriver, or by hitting it on a table.
- A thermostat that has been reset manually could fail and cause a fire.
- Always replace a blown thermostat with a new one.

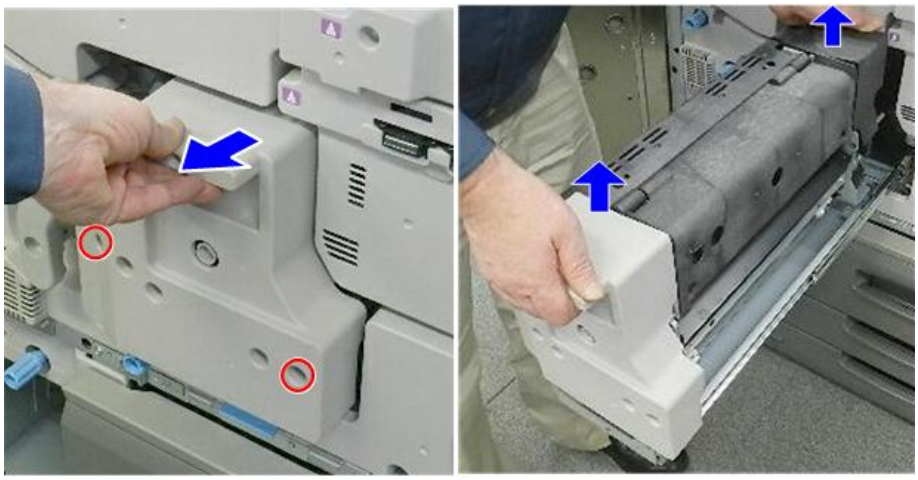
Thermopile

The photo below shows the locations of the three thermopiles inside the machine with the fusing unit removed.



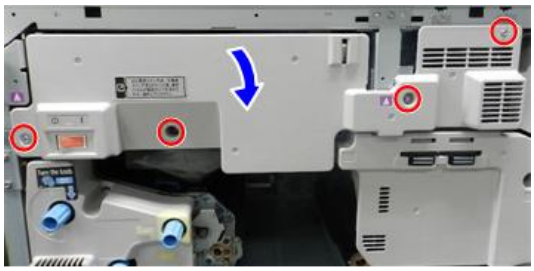
d270b3812

1. Remove the rear cover. (Rear Cover)
2. Open the front doors.
3. Remove the fusing unit (x2).



d270b4246

4. Remove the power switch cover (x4).

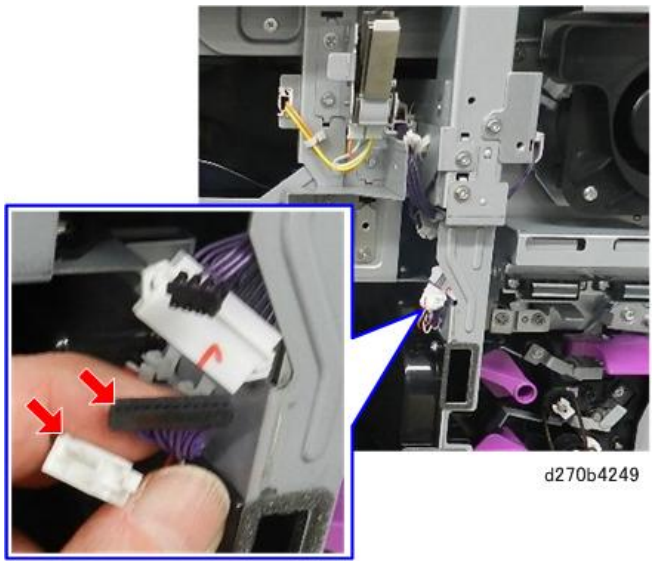


d270b4247

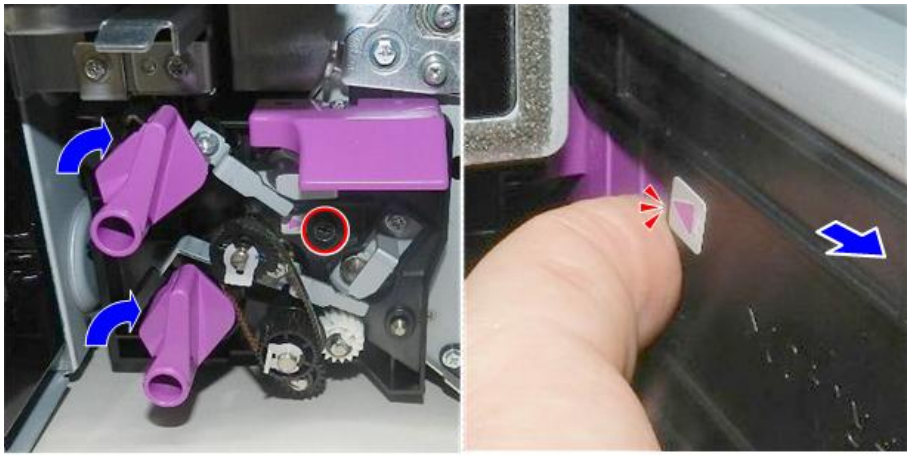
5. Remove the ITB unit cover (x4).

d270b4248

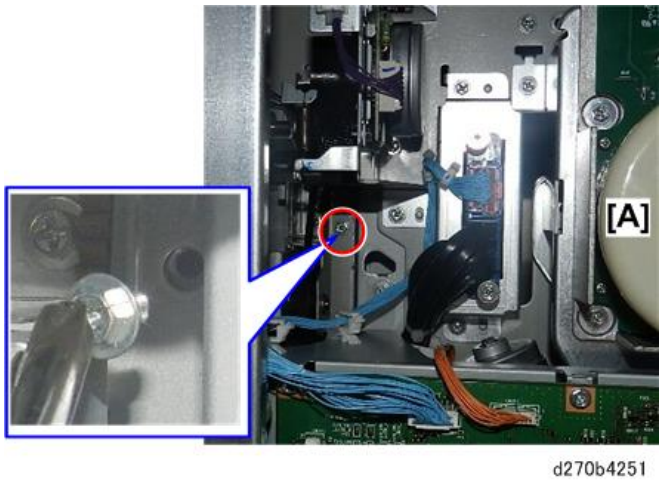
6. Disconnect the thermopile unit (x2).



7. Rotate the levers up, disconnect the ITB cleaning unit, and then remove it (x1).

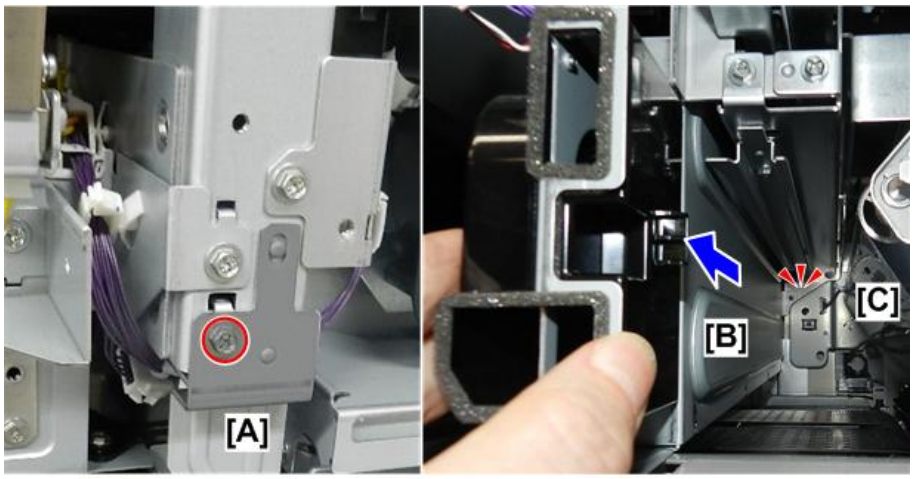


8. At the back of the machine, to the left of the fusing motor [A] locate the screw holding the thermopile unit, and then remove it carefully to prevent it from falling into the machine (x1).



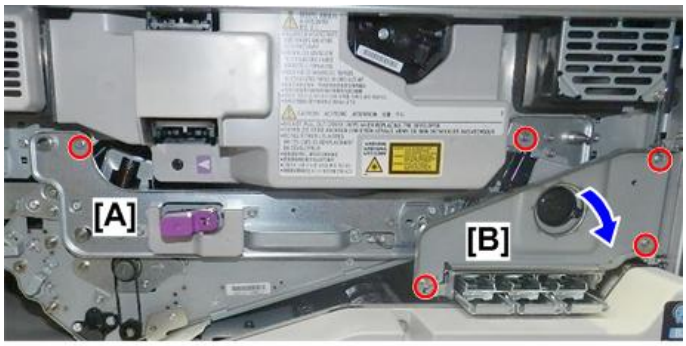
9. At the front, disconnect the bracket [A] (x1).

10. Pull the thermopile unit [B] forward until it is stopped by the frame of the ITB unit [C] on the right.



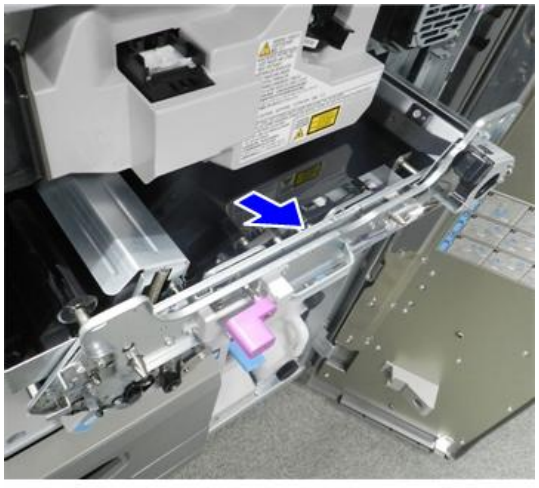
d270b4252

11. Disconnect the ITB unit [A] (x2).
12. Remove the lock plate [B] (x3).



d270b4253

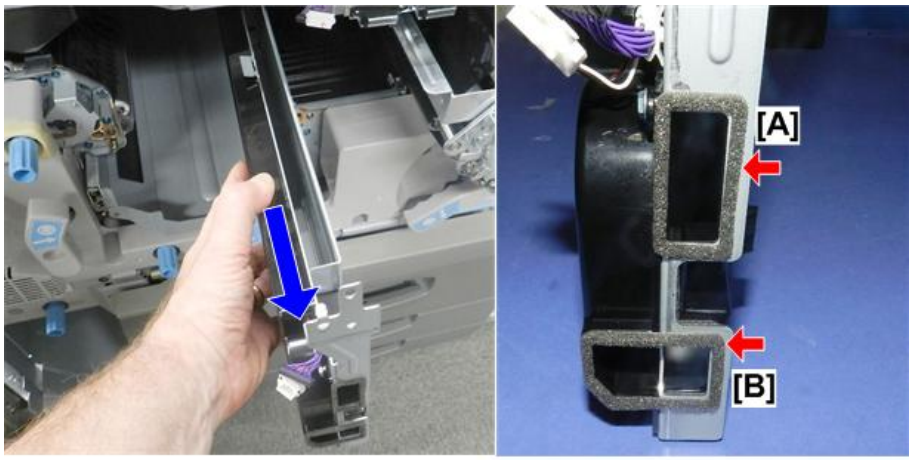
13. Pull the ITB out slightly. You do not need to remove it.



d270b4254

14. Pull the thermopile unit out of the machine, and then set it on a flat, clean surface.

15. On the front end of the unit, there are two thin seals, one at the top [A] and one at the bottom [B]

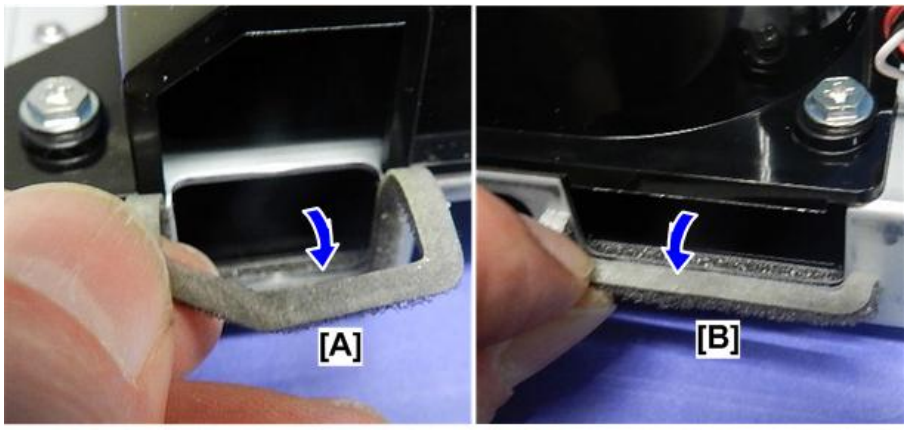


d270b4255

16. Carefully, peel the top seal [A] and bottom seal [B] away from the plastic cover but do not detach them from the metal plate.

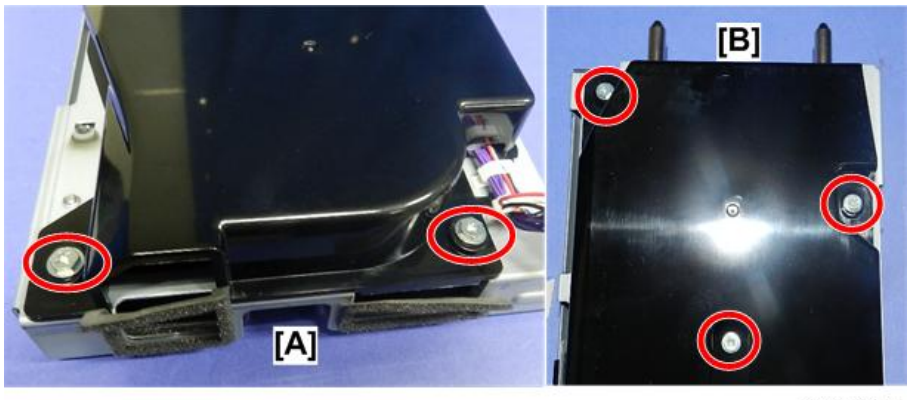
Note

- If new seals are available, the seals should be replaced.



d270b4256

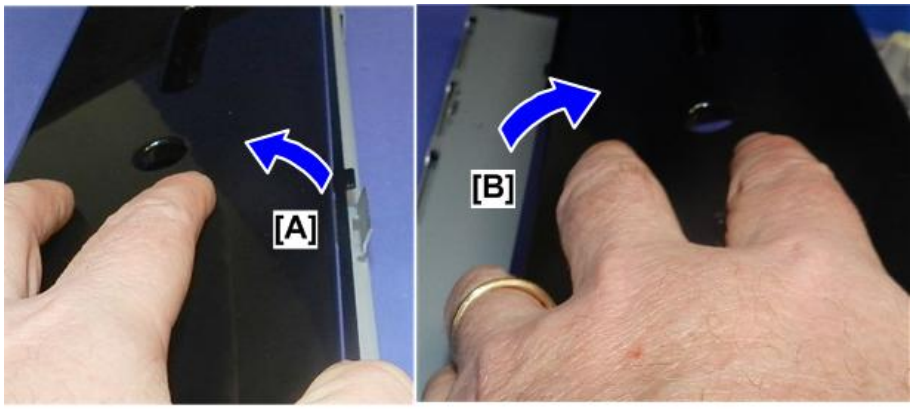
17. Disconnect the cover at the front [A] (x2).
18. Disconnect the cover at the rear [B] (x3).



d270b4257

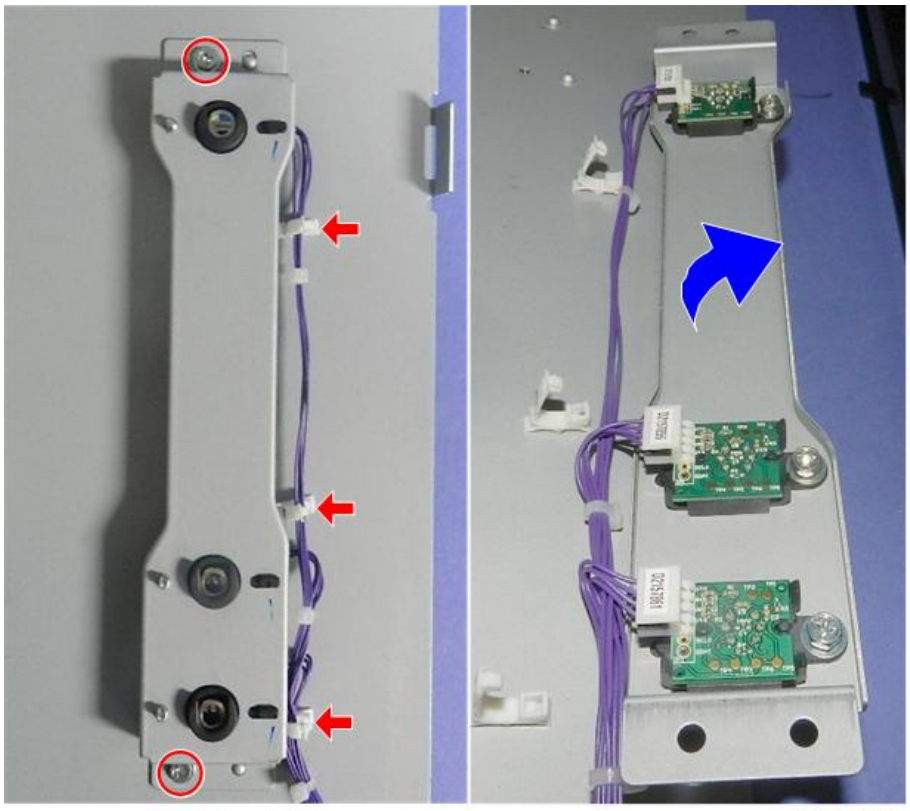
19. To remove the cover, first slide it to the left [A] to disconnect the tab on the right, and then slide it to the right

[B] to remove it.



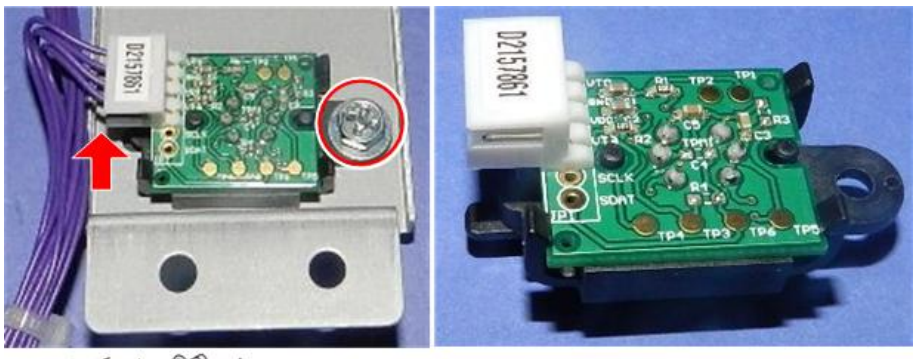
d270b4258

20. Disconnect the harnesses and the cover plate, and then turn the plate over (x3, x2).



x3 x2 d270b3815

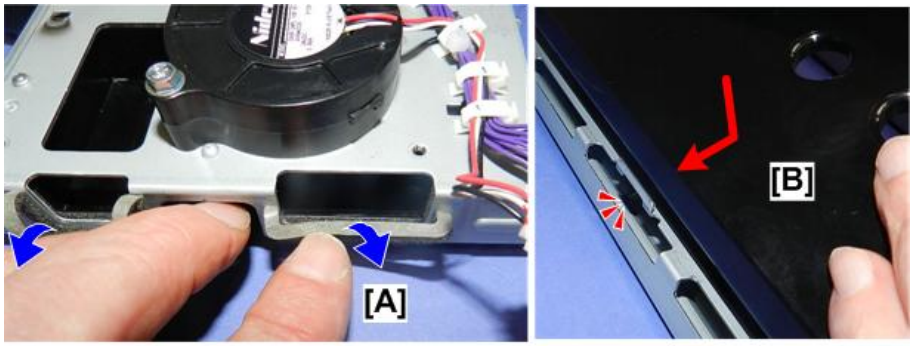
21. Remove a thermopile (x, x).



x1 x1 d270b3816

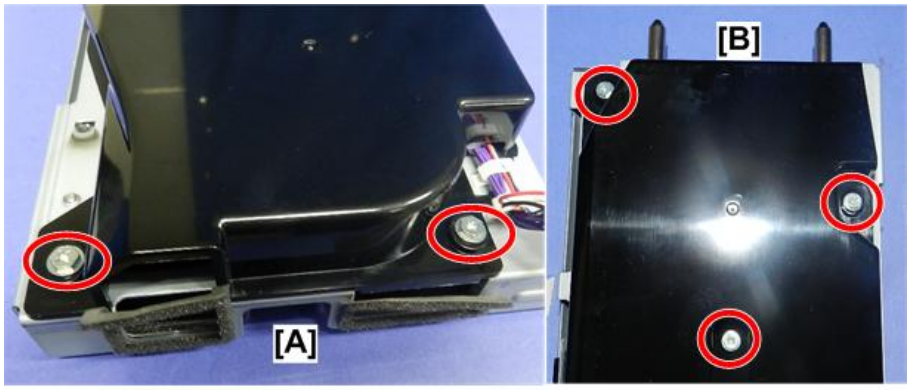
Re-installation

1. At the front, make sure that the loose halves of the seals [A] are down so they will not be pinched by the cover when it is re-attached.
2. Set the cover [B] on top of the unit.



d270b4260

3. Fasten the cover at the front [A] and rear [B] (x5).

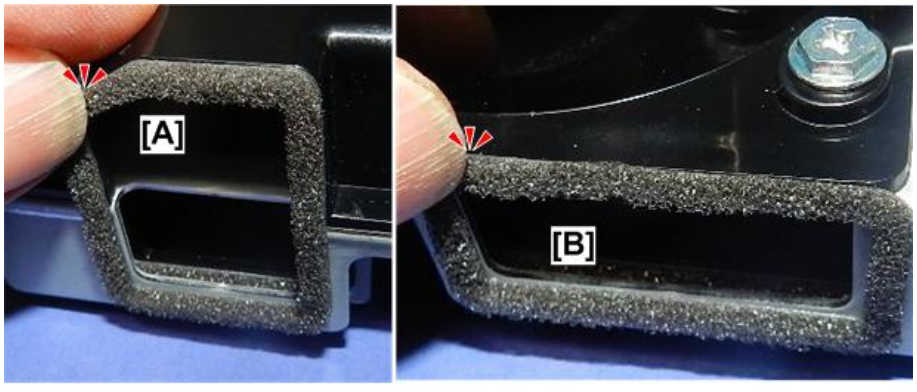


d270b4257

4. Carefully, press the partially detached top seal [A] and bottom seal [B] onto the edge of the plastic cover.

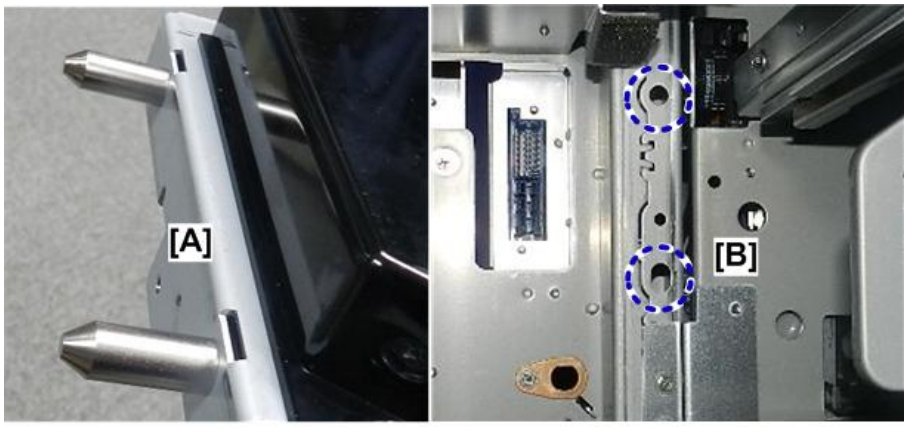
Note

If new seals are available, you should replace the seals.



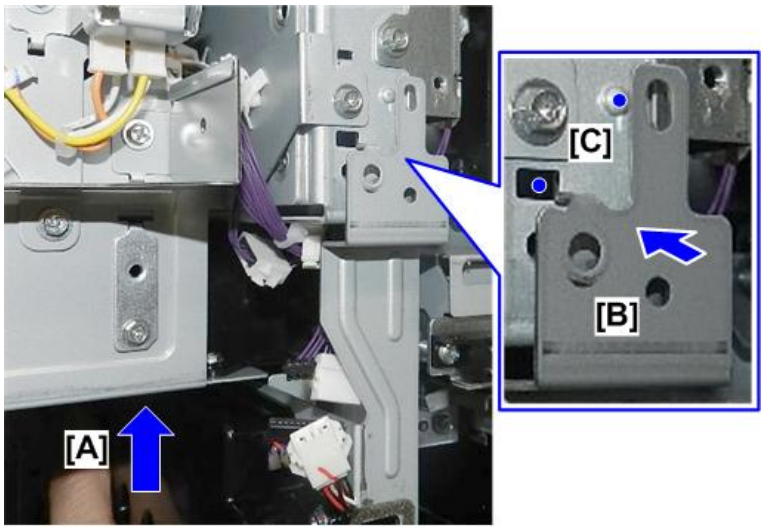
d270b4262

5. The pins on the back of the thermopile unit [A] fit into the holes [B] on the post inside the machine.



d270b4263

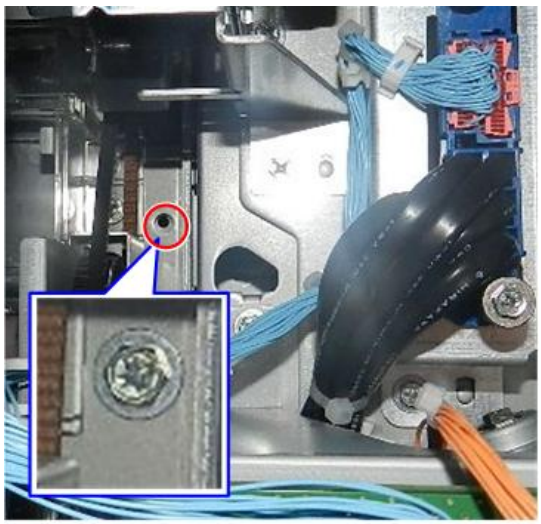
6. To set the unit, support the bottom of the unit [A] with your left hand as you slide it slowly into the machine.
7. Using your right hand, align the hook and hole of the bracket [B] with the hole and boss on the machine [C]. This should align the pins at holes at the back.
8. Slowly, push the unit into the machine until you feel the pins slide into the holes at the rear.



d270b4264

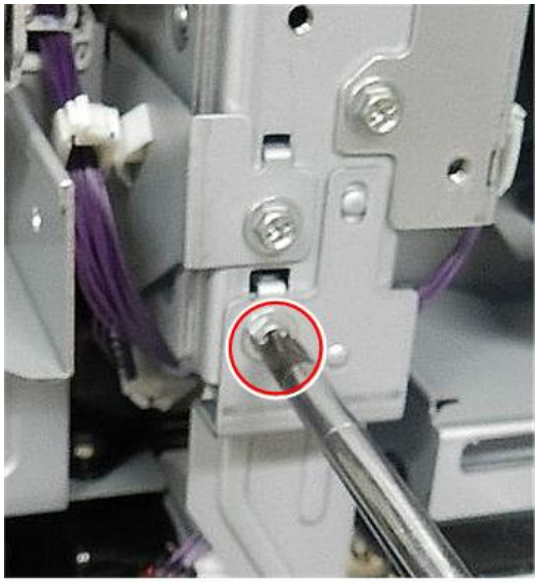
9. At the back of the machine, make sure the unit and hole are aligned correctly, and then re-fasten the screw

(x1).



d270b4265

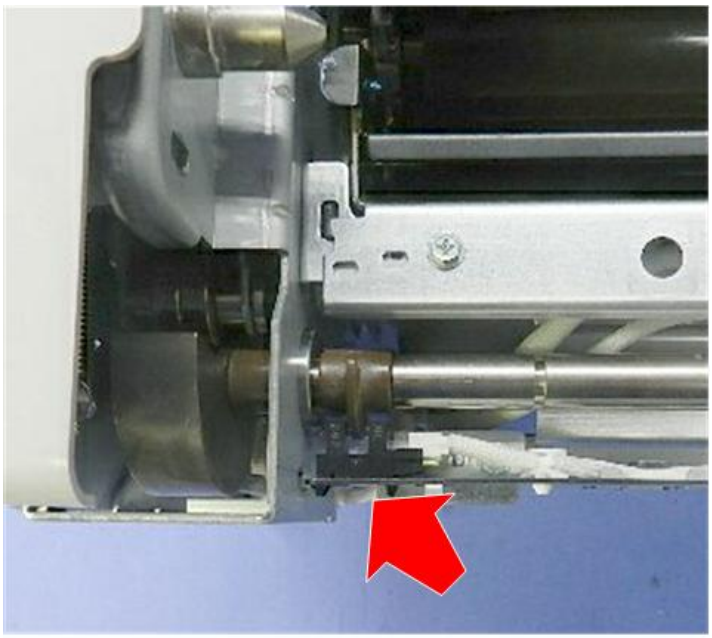
10. At the front, fasten the bracket (x1).



d270b4266

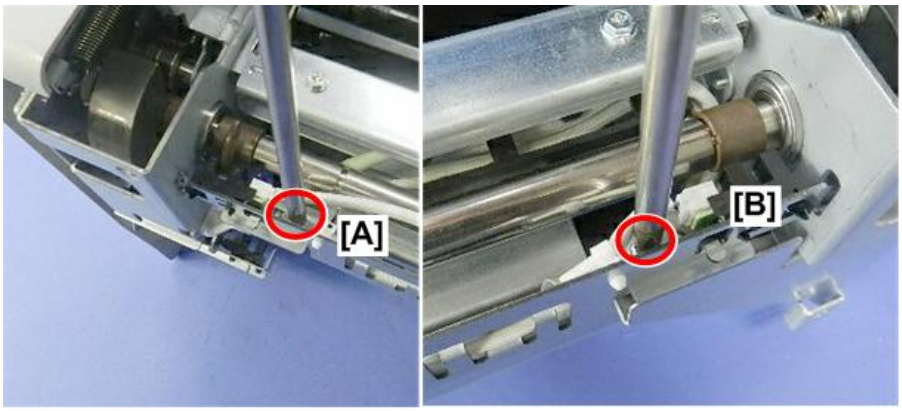
Pressure Roller Lift Sensors

1. Both lift sensors are visible at the right bottom of the fusing unit.



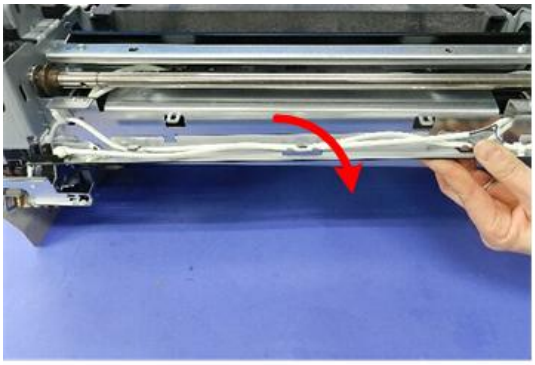
d1793915

2. Disconnect both ends of the sensor bracket at the front [A] and rear [B] (x2).



d1793916

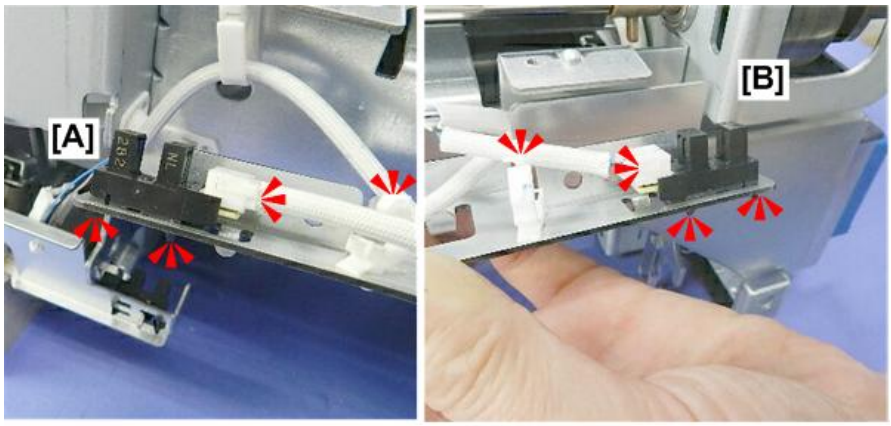
3. Pull the sensor bracket away from the side of the unit.



d1793917

4. Disconnect the front sensor [A] (x1, x1, x3).

5. Disconnect the rear sensor [B] (x1, x1, x3).



d1793918

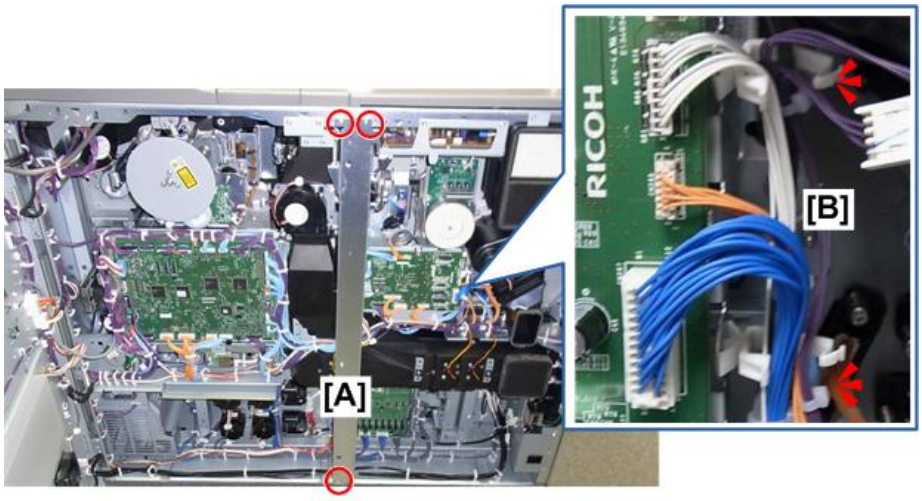
Fusing Motor, Pressure Roller Lift Motor

Important

- The fusing motor and pressure roller lift motor are together behind the EDRB bracket at the back of the machine.

Remove the EDRB Bracket

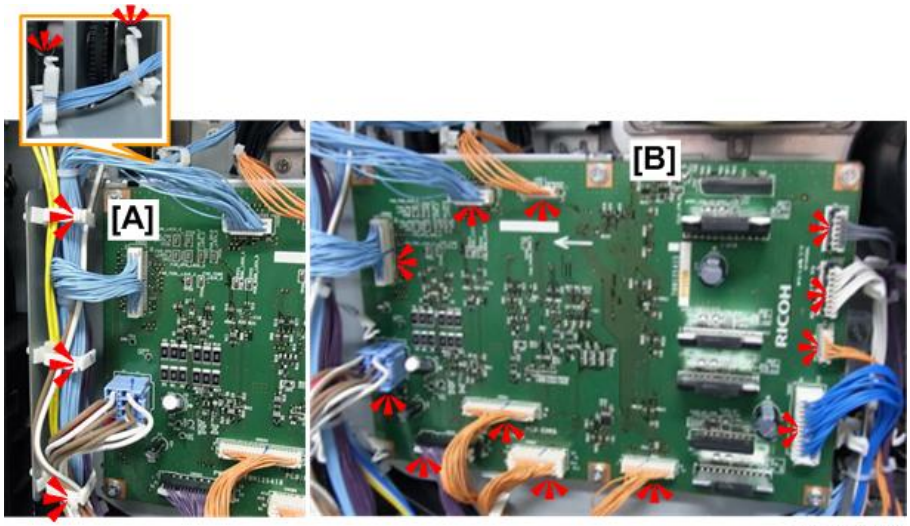
1. Open the controller box (Opening the Controller Box)
2. Remove the left rear cover (Rear Cover)
3. Remove the vertical stay [A] (x3).
4. Free the harnesses on the right edge of the EDRB [B] (x2).



d270b3919

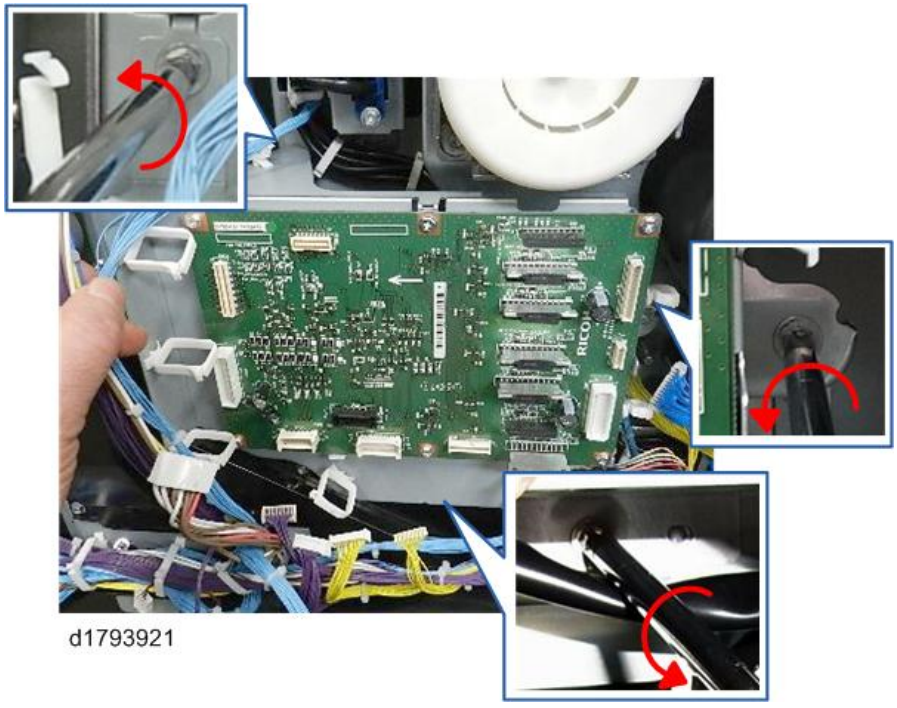
5. Free the other harnesses on the left edge and top left corner of the EDRB [A] (x5).

6. Disconnect the EDRB [B] (x12).



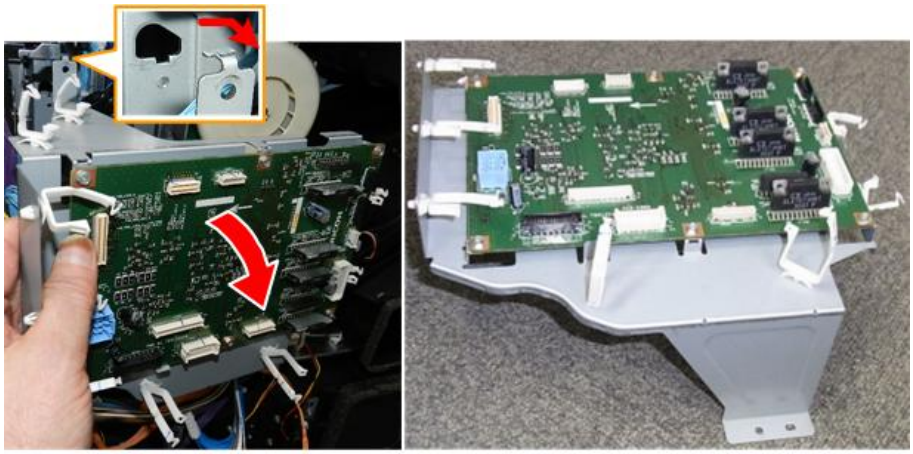
d270b3920

7. Unfasten the EDRB bracket (x3).



d1793921

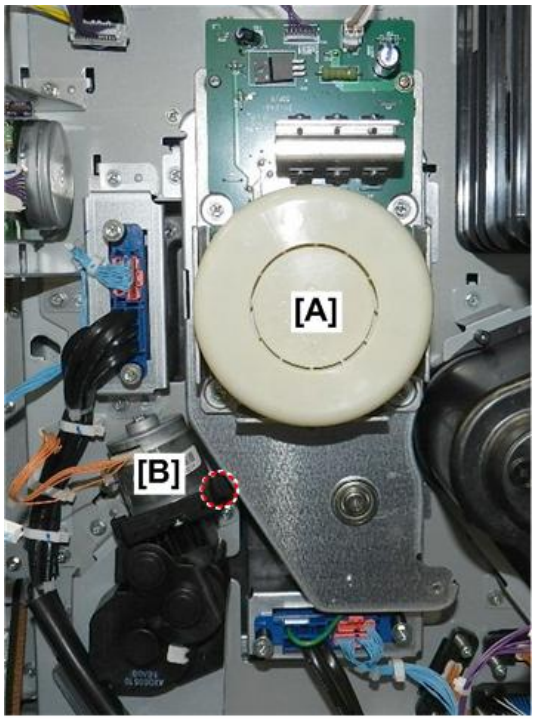
8. Unhook and remove the EDRB bracket (with PCB attached), and then lay it on a flat clean surface.



d270b3922

Fusing Motor

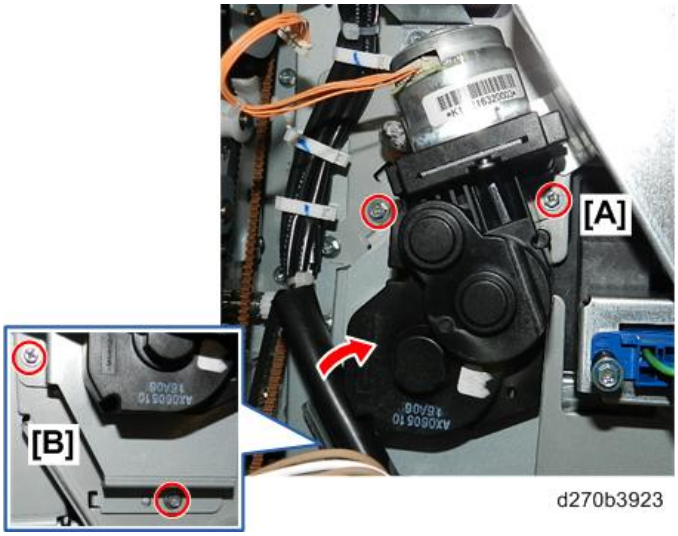
1. Remove the EDRB bracket (x4). (Remove the EDRB Bracket)
2. One screw of the fusing motor [A] is blocked by the collar of the pressure roller lift motor [B] (which must be removed).



d270b3927

3. Remove the upper screws [A] of the pressure roller lift motor bracket (x2).

4. Remove the lower screws [B] of the bracket (x2).



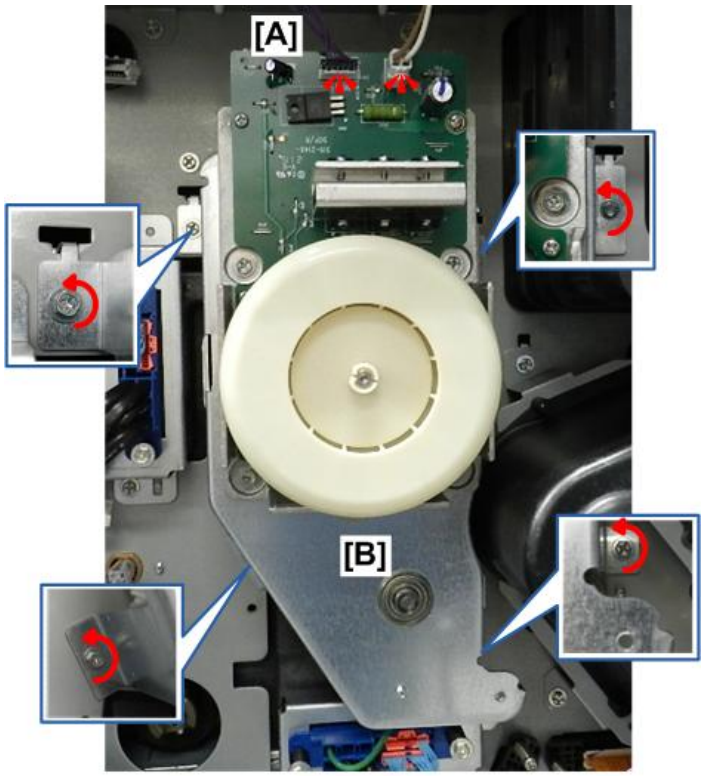
d270b3923

5. Unhook the bracket at the upper left corner [A], and then remove the bracket with motor attached. (x1)

d270b3924

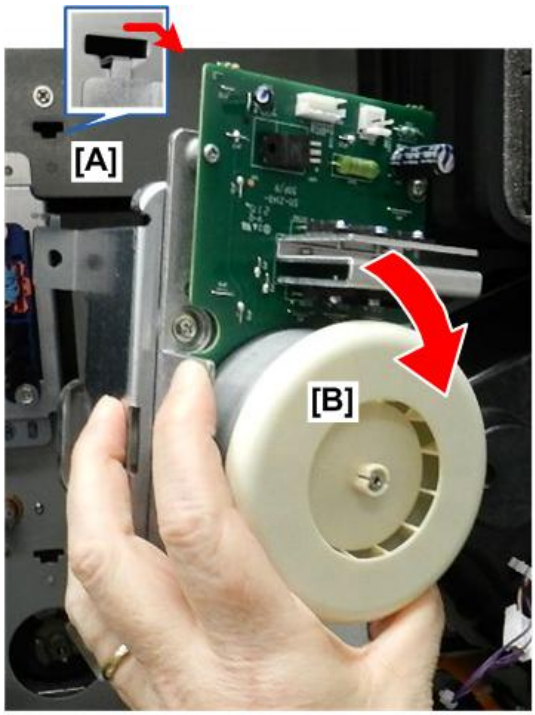
6. Disconnect the top edge of the fusing motor drive board [A] (x2).

7. Disconnect each corner of the fusing motor bracket [B] (x4).



d270b3925

8. Unhook the bracket at the upper left corner [A], and then remove the bracket with motor attached (x1).

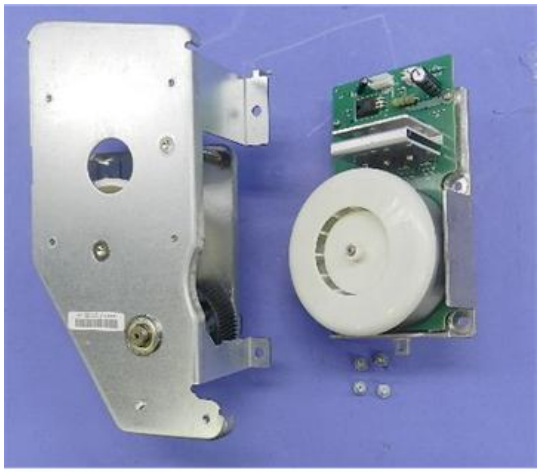


d270b3926

9. Unfasten the motor (x4).

d1793926

10. Separate the motor and the bracket.



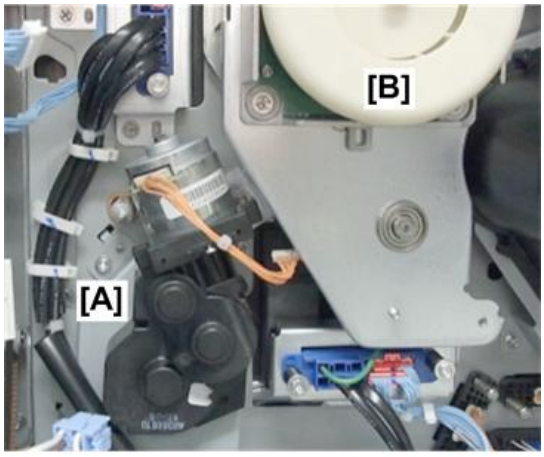
d1793927

11. Before re-installation, lubricate the fusing motor drive gear.

d1793928

Pressure Roller Lift Motor

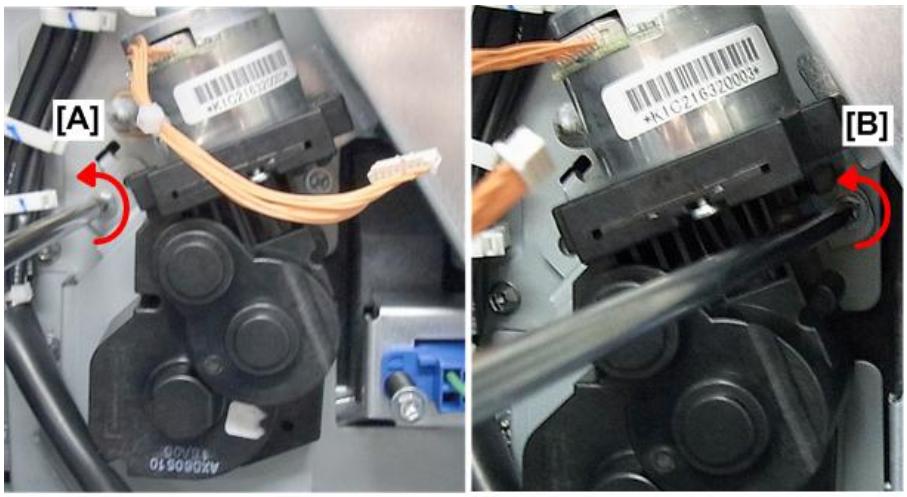
1. Remove the EDRB (Remove the EDRB Bracket)
2. The pressure roller lift motor [A] is below the fusing motor [B].



d270b3929

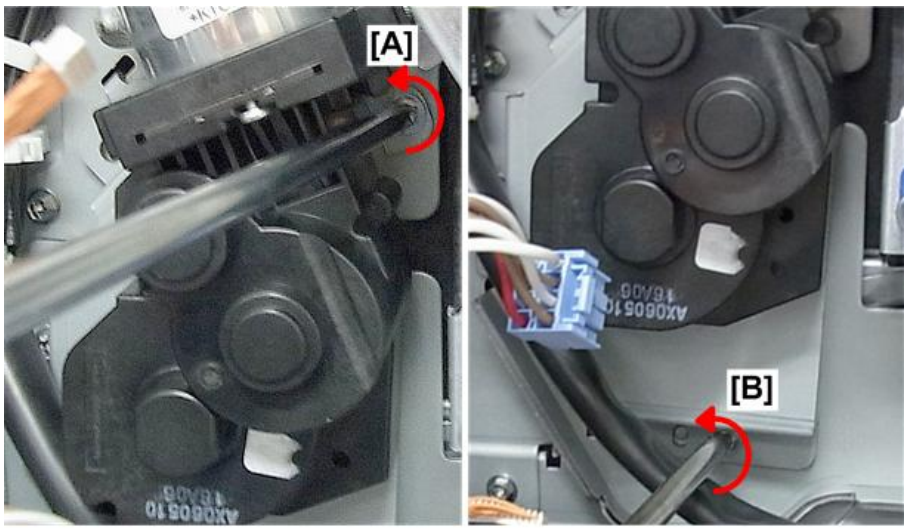
3. Unfasten the bracket at the upper left corner [A] (x1).

4. Unfasten the bracket at the upper right corner [B] (x1).



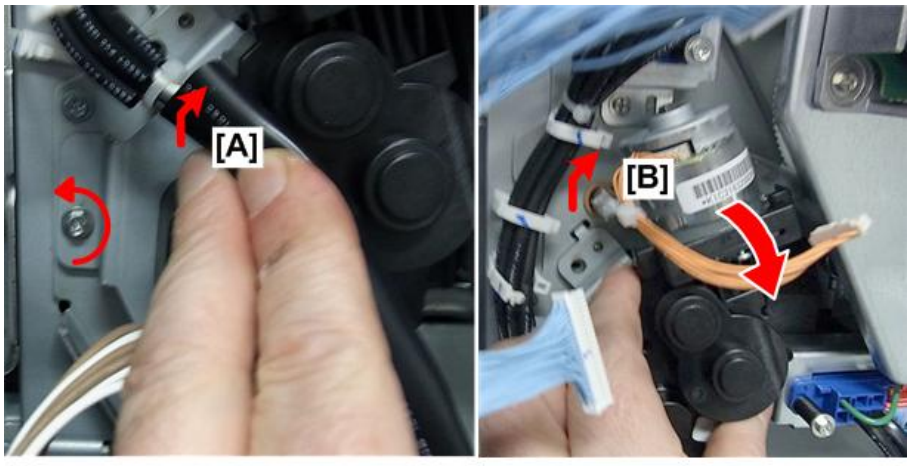
d270b3930

5. Unfasten the bracket at the right edge [A] (x1).
6. Unfasten the bracket at the upper bottom edge [B] (x1).



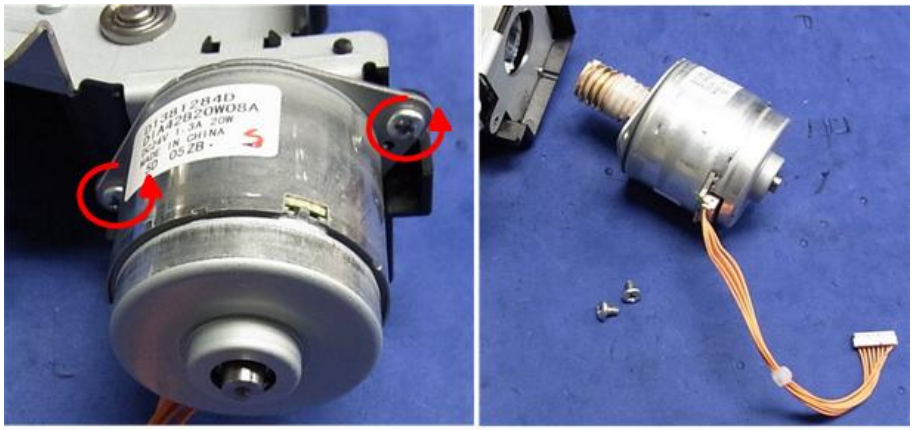
d270b3931

7. Push aside the harness [A] and unfasten the bracket at the lower left corner (x1).
8. Unhook the motor bracket [B] and then remove the bracket with motor attached (x1).



d270b3932

9. Remove the motor (x2).



d270b3933

Re-installation

1. After reattaching the EDRB, pull the pressure roller lift motor harness out from behind the board, and then re-connect it to the board.

d270b3935

Fusing Cleaning Unit

Note

Prepare a clean, flat surface to place the fusing cleaning unit after you remove it.

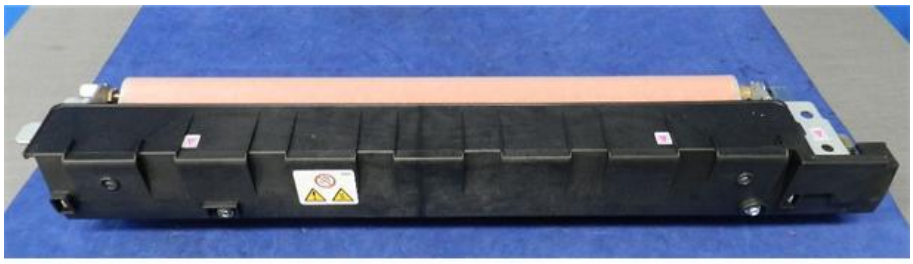
The rollers and web of the fusing unit can be removed independently of one another, making servicing the unit much easier. You do not need to remove the contact roller in order to replace the web. You do not need to remove the web in order to replace the contact roller.

Cleaning Unit Rollers

This section describes how to remove the web take-up roller, sponge contact roller, and web supply roller.

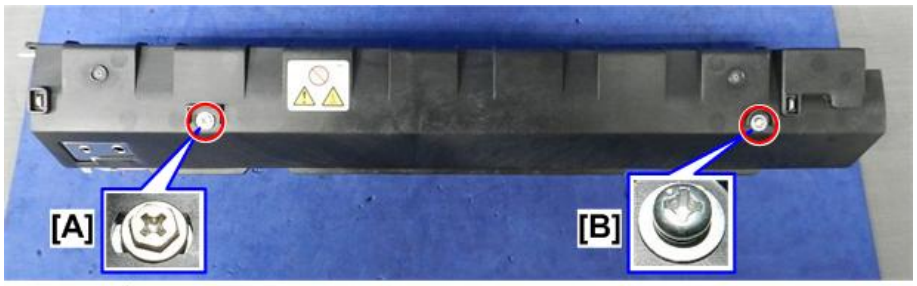
1. Prepare a flat, clean surface where you can lay the rollers after removal.

2. Remove the fusing unit. (Removing the Fusing Unit)
3. Remove the web cleaning unit from the side of the fusing unit. (Removing the Fusing Cleaning Unit)



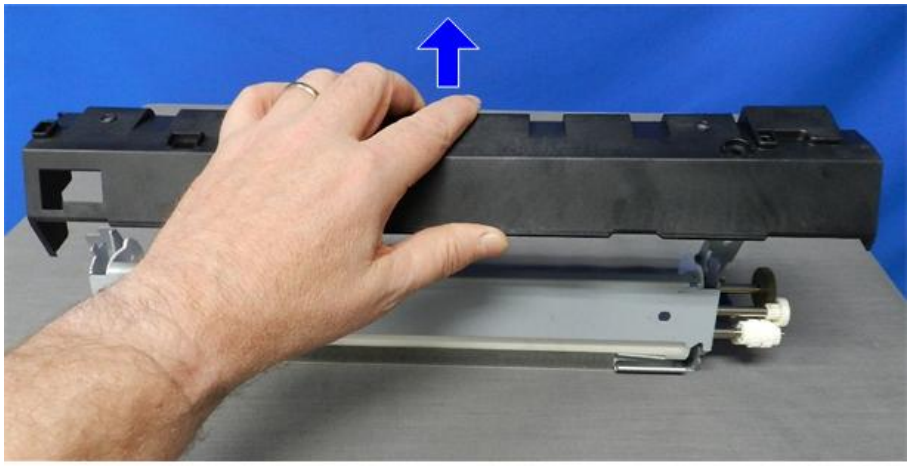
d270b3951

4. Remover the rear screw [A] and the front screw [B] (x1, x).



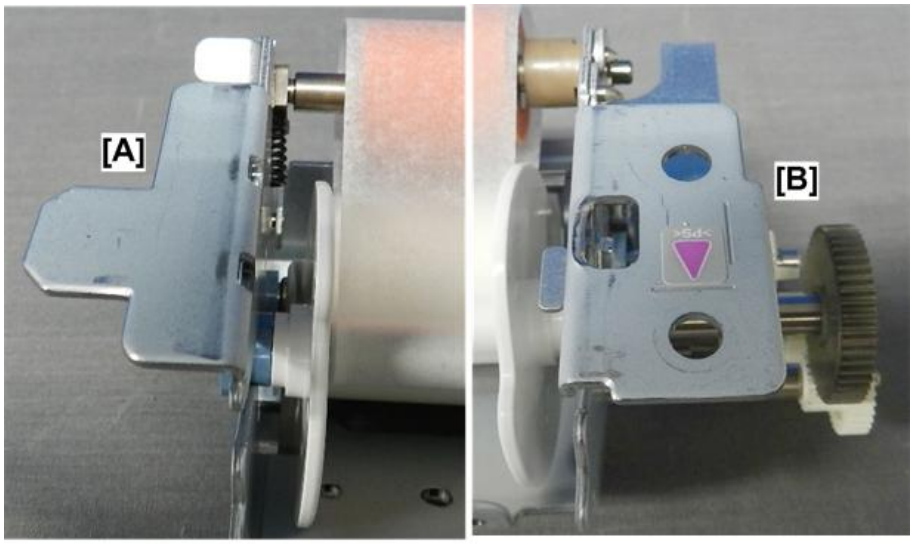
x1 x1 d270b3952

5. Remove the cover.



d270b3953

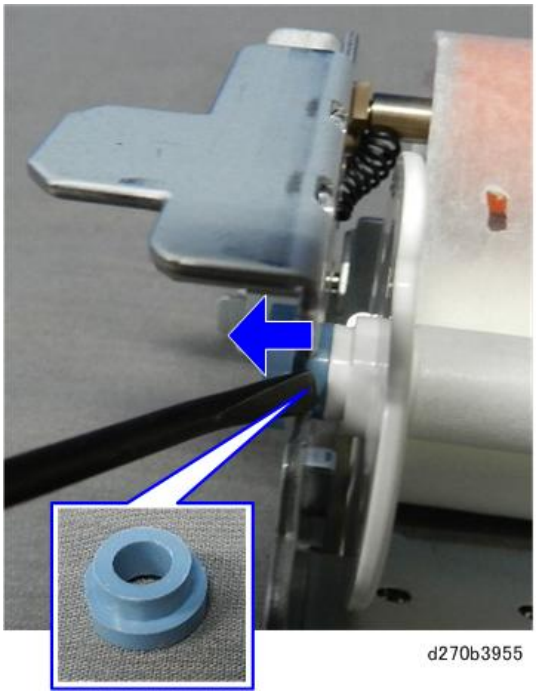
6. For reference in these procedures, [A] is the rear of the cleaning unit, and [B] is the front of the cleaning unit.



d270b3954

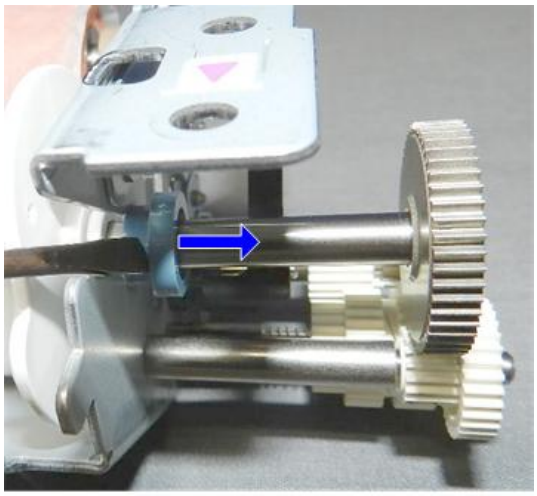
Take-up Roller

7. Remove the bushing from the rear end of the take-up roller.



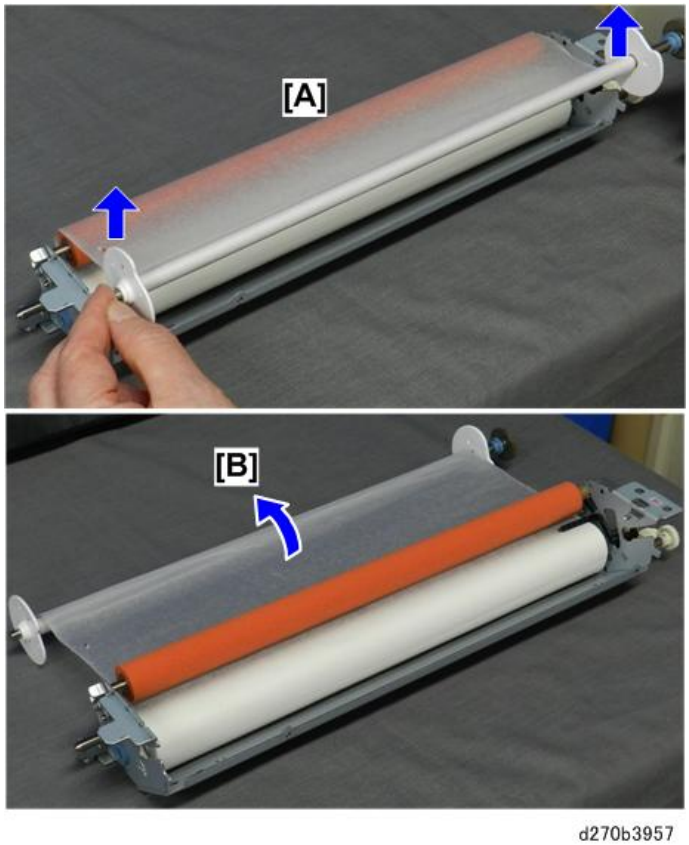
d270b3955

8. Push out the bushing from the front end of the take-up roller.



d270b3956

9. Lift the take-up roller [A] up.
10. Rotate the roller and web [B] away from the top of the sponge contact roller, and then set it down.



d270b3957

11. Remove the retaining ring from the rear end of the take-up roller.

Important

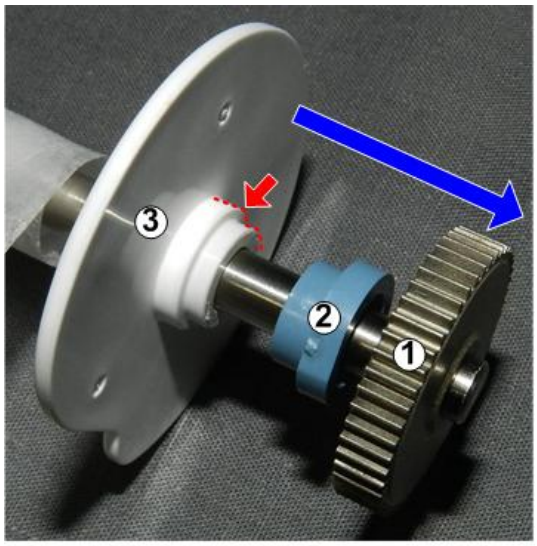
- The stepped flanges of the rear ring are pointing out. The ring must be re-installed in the same way.

d270b3958

12. From the front end of the take-up roller, remove the gear (1), bushing (2), and retaining ring (3).

Important

- The stepped flanges of the front ring are also pointing out. The ring must be re-installed in the same way.



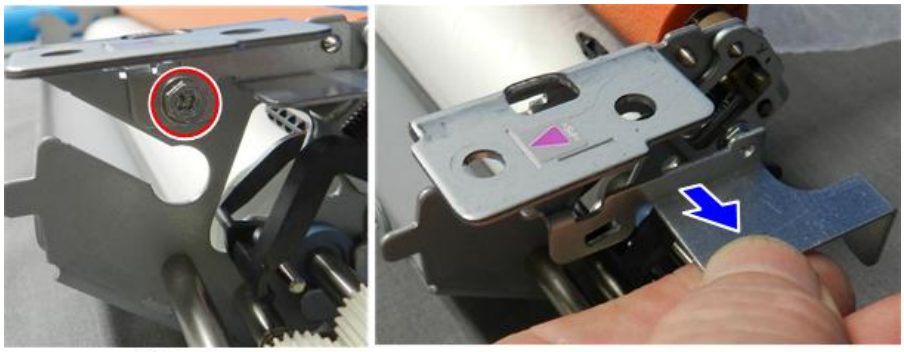
d270b3959

Contact Roller

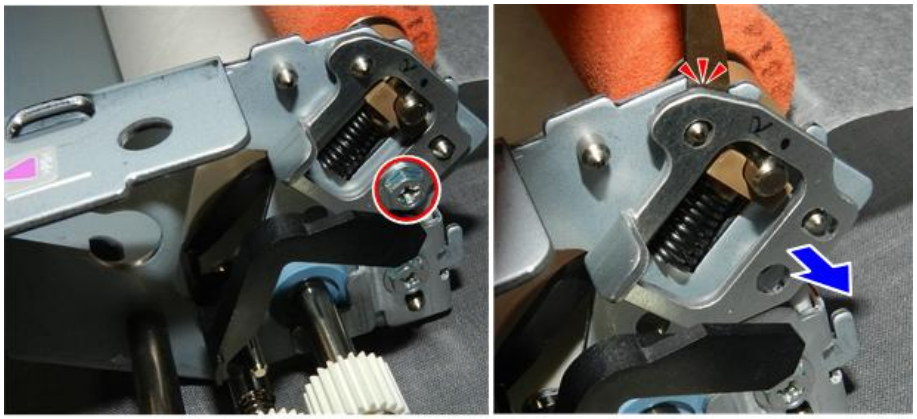
Note

The sponge contact roller does not need to be removed when you replace the cleaning web.

13. At the front, remove the retaining bracket (x1).



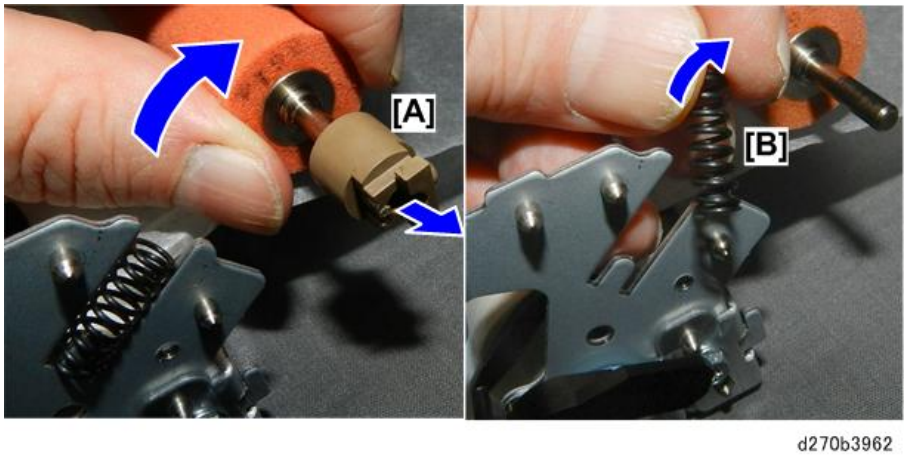
14. Disconnect and remove the lock bracket from the front end of the contact roller (x1).



15. Disconnect the front end of the contact roller, and then remove the bushing [A] from the end of the roller.
16. Remove the spring [B].

Important

- The large bushing [A] must be re-attached to the front end of the contact roller. This is important to remember for re-installation.

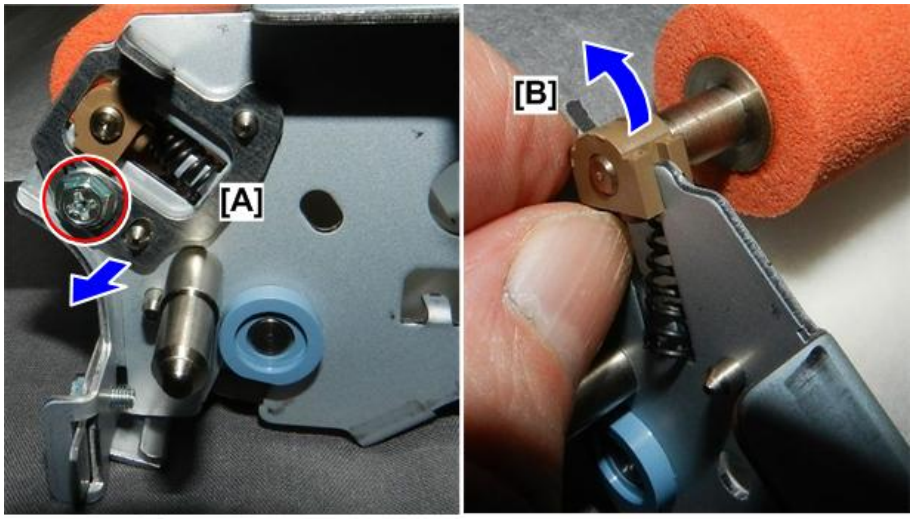


17. Disconnect and remove the lock bracket [A] from the front end of the contact roller.
18. Disconnect the rear end of the contact roller, and then remove the bushing [B] from the end of the roller (

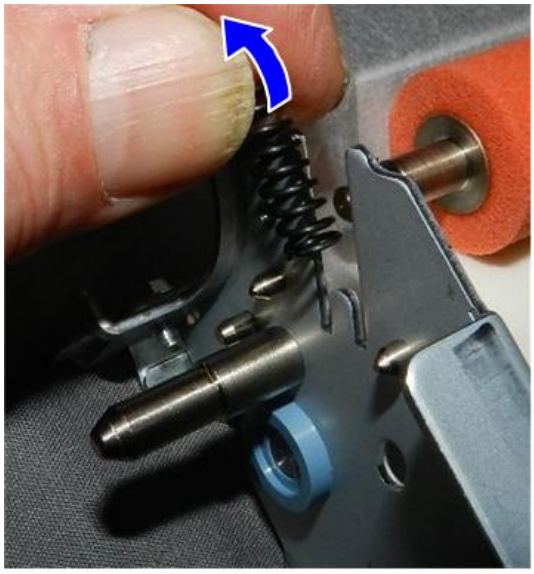
x1).

Important

- The small bushing [B] must be re-attached to the rear end of the contact roller. This is important to remember for re-installation.



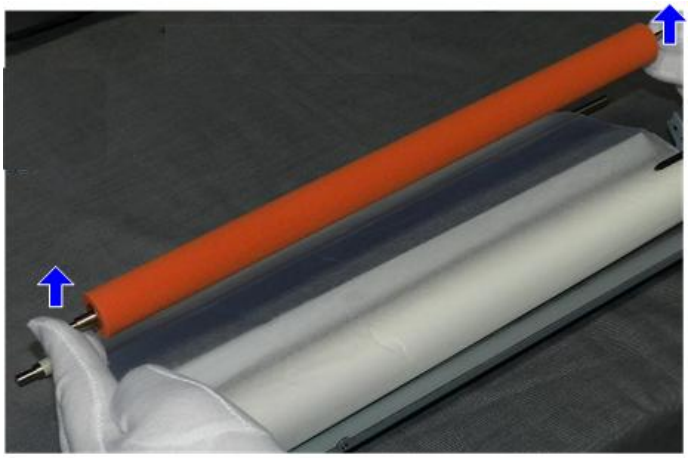
19. Remove the spring.



Important

- Avoid touching the surface of the sponge contact roller with bare hands.

20. Lift and remove the contact roller, and then lay it on a flat, clean surface.



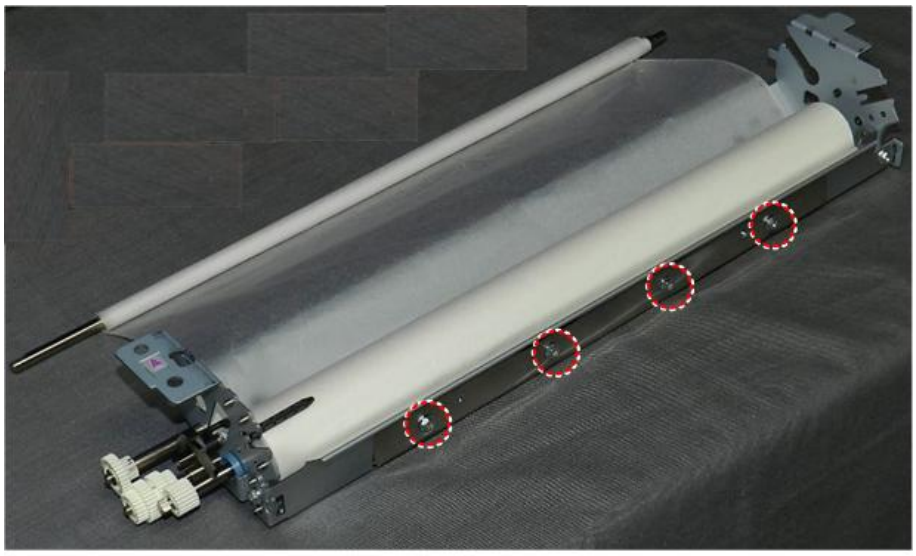
d270b3965

Supply Roller

21. Loosen (do not remove) the screws of the web supply roller pressure plate.

Note

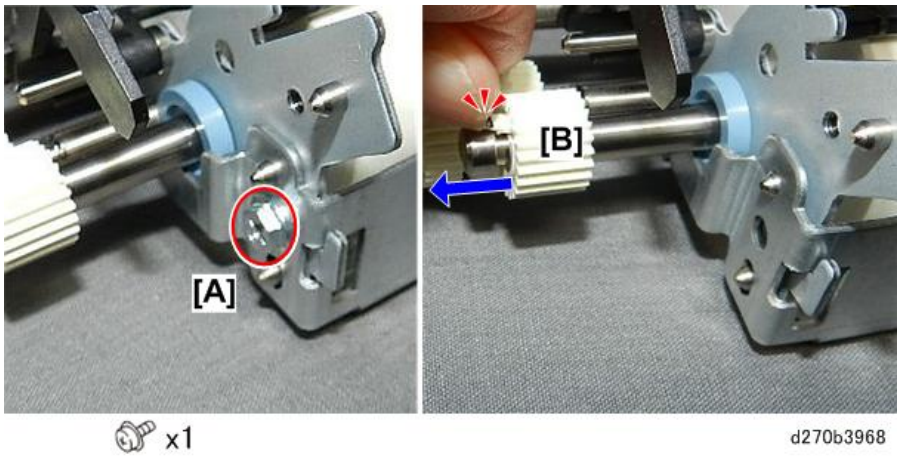
- Loosening these screws makes removal and re-attachment of the plate much easier.



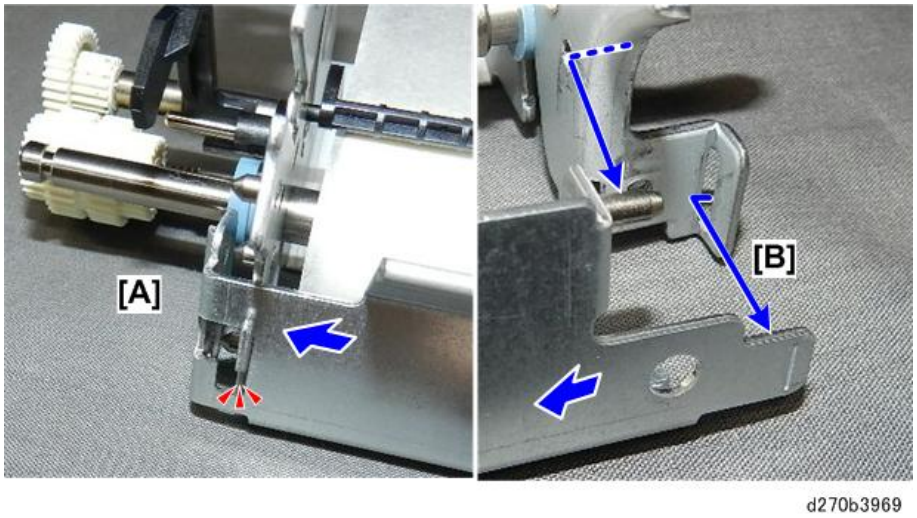
d270b3966

22. At the rear end of the supply roller, disconnect the rear end of the pressure plate (x1).

23. At the front end of the supply roller, disconnect the front end of the pressure plate [A] (x1).
24. Lift the release catch of gear [B], and then remove the gear from the front end of the supply roller shaft.

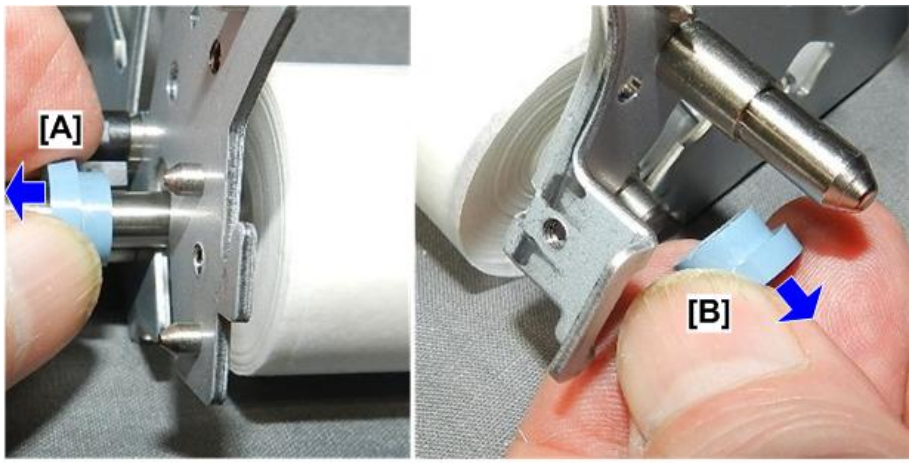


25. Push the pressure plate [A] to the left to release the pin and flat tab [B] on the rear end of the plate.



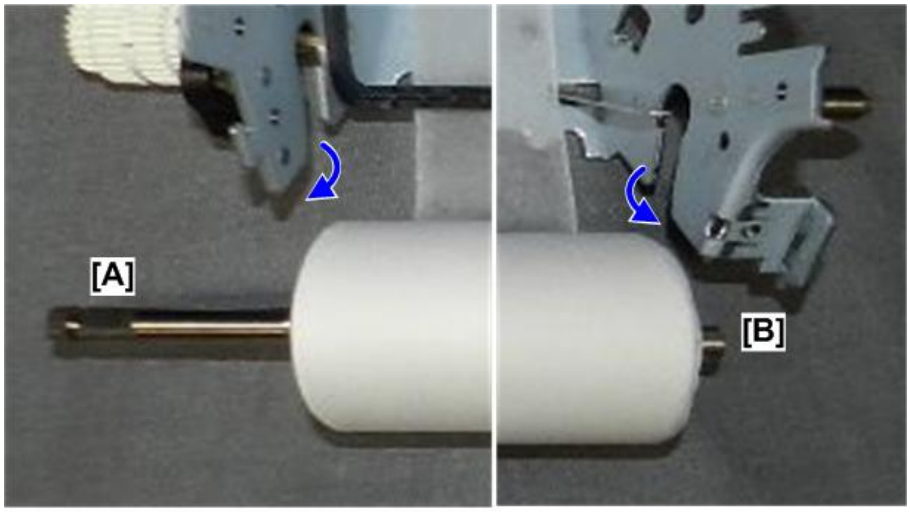
26. Remove bushing [A] from the front end of the supply roller.

27. Remove bushing [B] from the rear end of the supply roller.



d270b3970

28. Remove the front end [A] and rear end [B] of the supply roller from the cleaning unit.



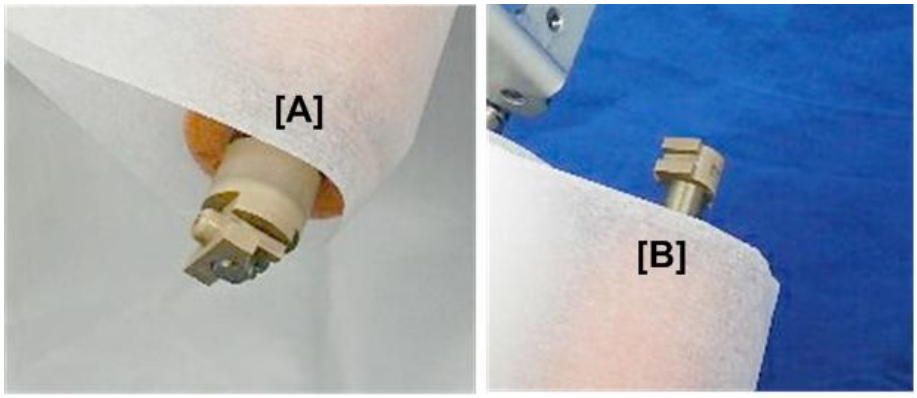
d270b3971

Re-installation Tips

1. Arrange the front ends [A] and rear ends [B] of the rollers as shown below.

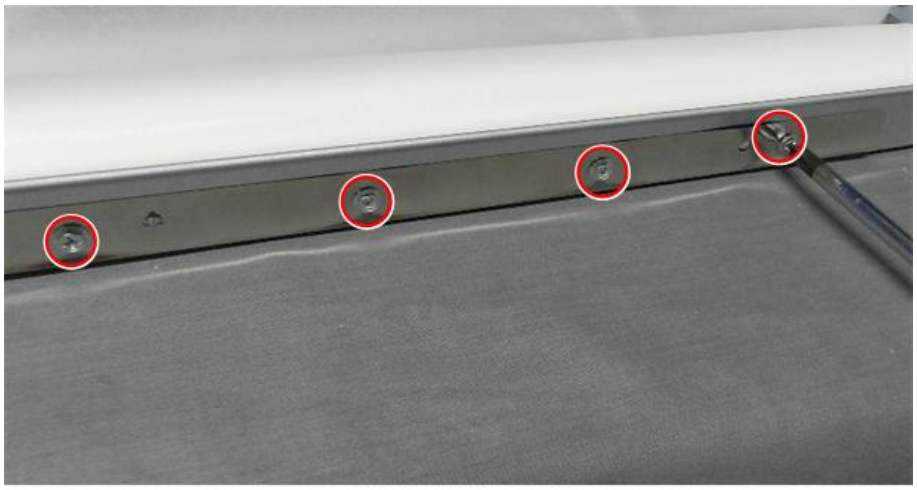
d270b3972

2. The bushings of the contact roller are not the same. The front bushing [A] is larger than the rear bushing [B].



d1793969

3. After re-assembling the cleaning unit, be sure to tighten the screws of the supply roller pressure plate.



d270b3973

4. Before you re-attach the cleaning unit cover, check the bushings [A] and make sure that they are installed correctly.

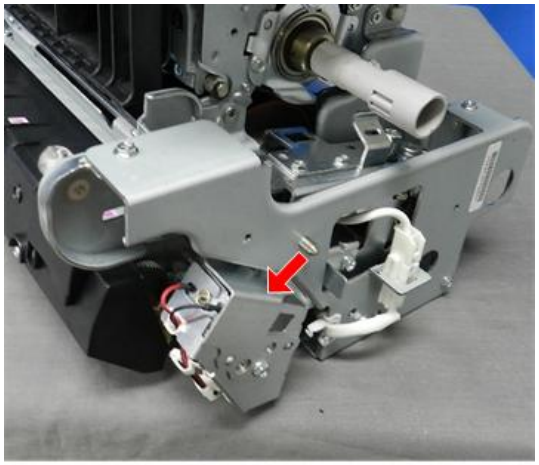
Important

- The rear plate of the cover holds these bushings in place. If the bushings are not set correctly, the cover will not be aligned with the tabs and screw holes.
- If the cover is not straight, remove it and check the setting of these bushings on the rear ends of the roller shafts.

d270b3974

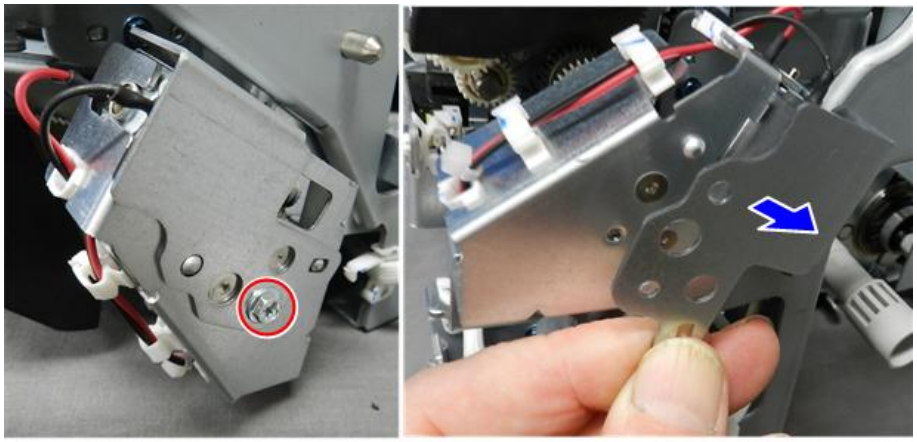
Web Motor

1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the fusing cleaning unit. (Removing the Fusing Cleaning Unit)
3. The web is located at the left front corner of the fusing unit.



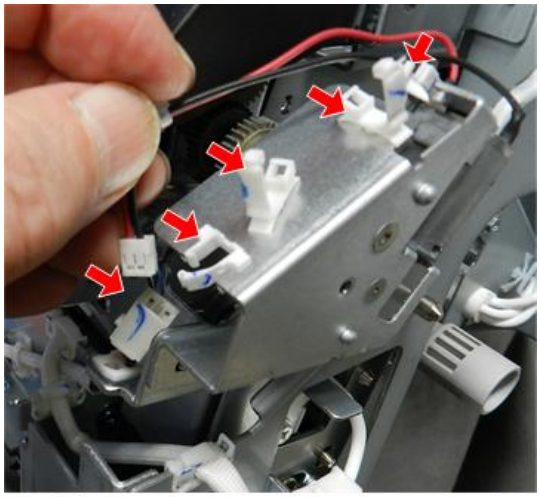
d270b3975

4. Remove the retaining plate (x1).



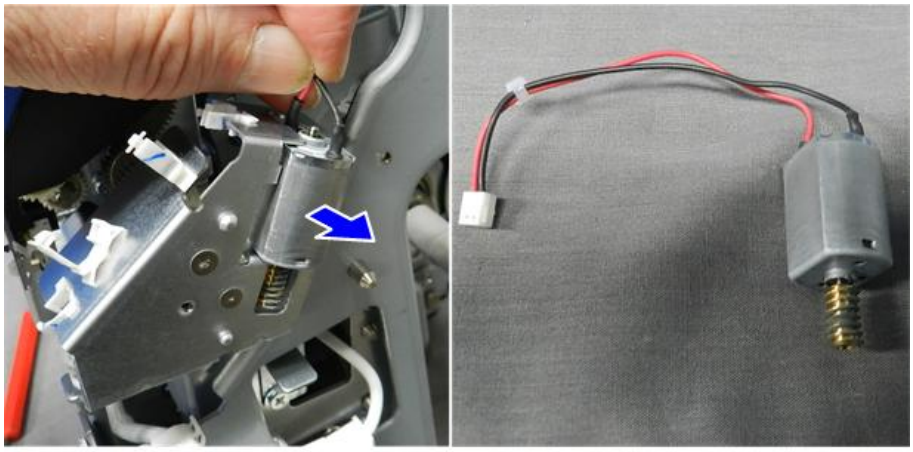
x1 d270b3976

5. Disconnect the motor harness (x4, x1).



x4 x1 d270b3977

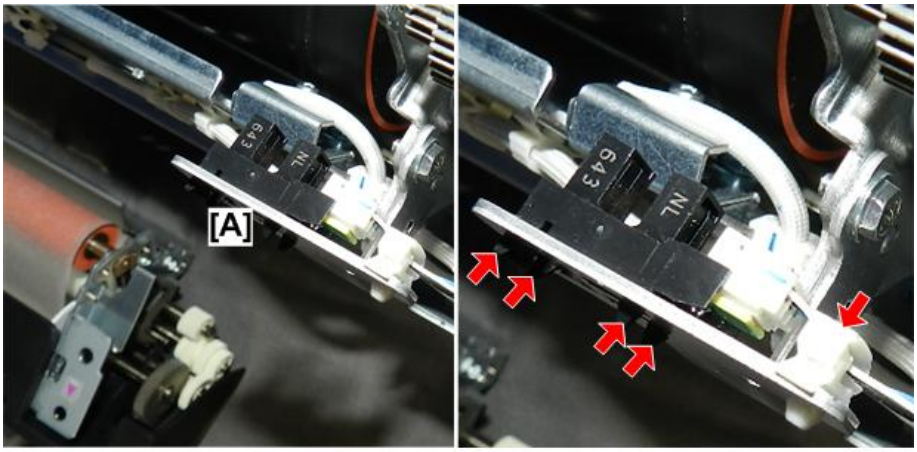
6. Remove the motor.



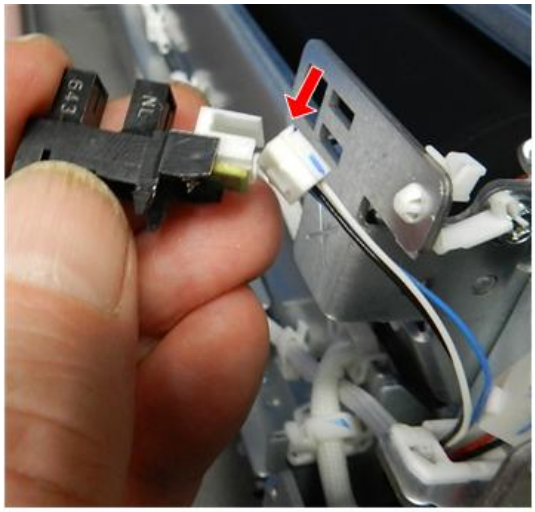
d270b3978

Web End Sensor

1. Remove the fusing unit. (Removing the Fusing Unit)
2. Remove the web cleaning unit from the side of the fusing unit. (Removing the Fusing Cleaning Unit)
3. The web end sensor is located at the left front corner of the fusing unit [A].
4. Disconnect the sensor from the bracket (x4).



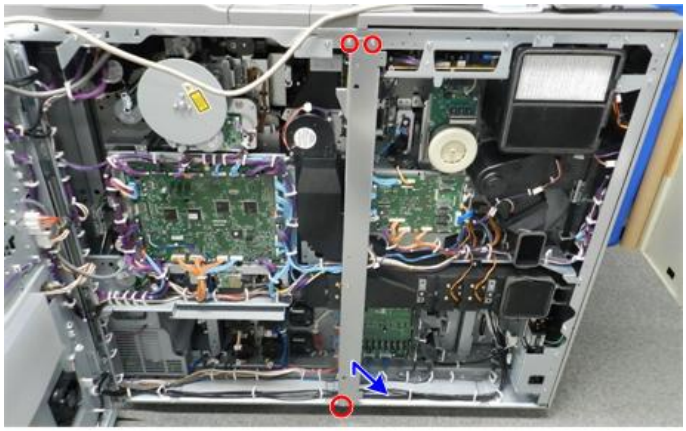
5. Disconnect the sensor (x).



x1 d270b3980

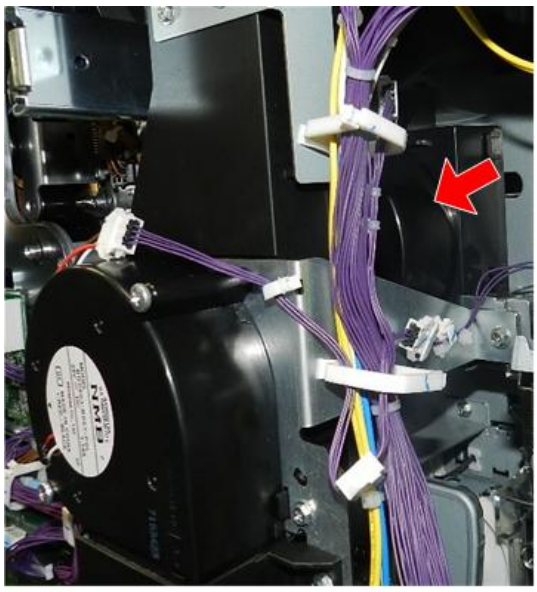
Main Machine Thermistor

1. Open the controller box. (Opening the Controller Box)
2. Remove the rear cover. (Rear Cover)
3. Remove the vertical stay (x3).



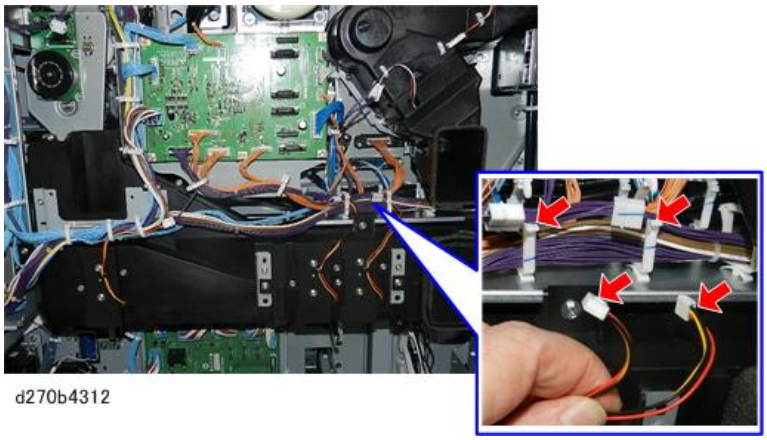
d270b4310

4. Remove the rear development unit cooling fan. (Development Unit Cooling Fan: Rear)



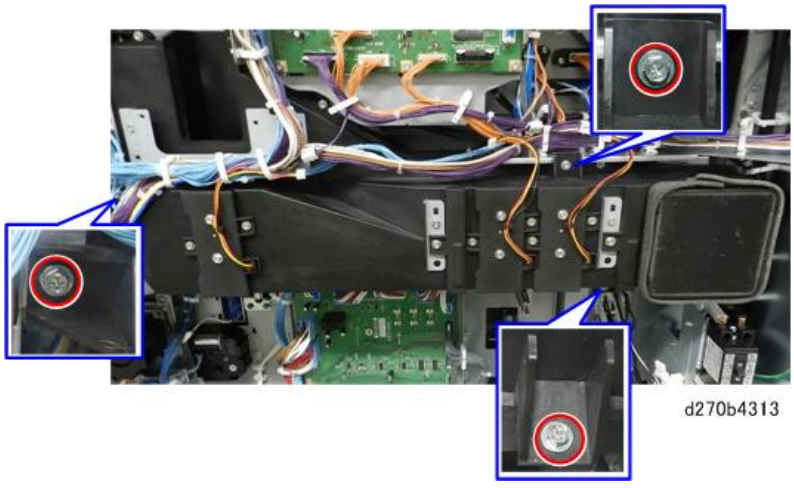
d270b4311

5. Disconnect the horizontal duct fans (x2, x2).



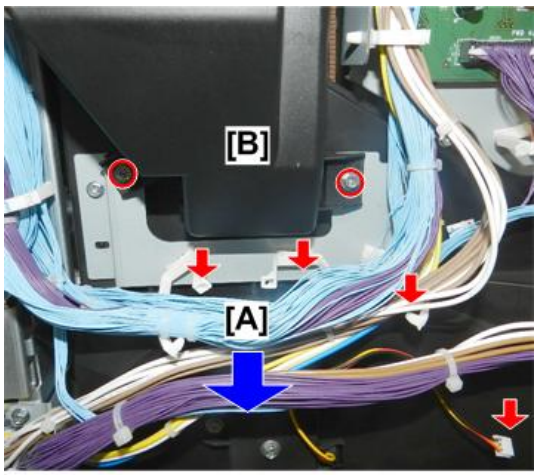
d270b4312

6. Disconnect the horizontal duct (x3).



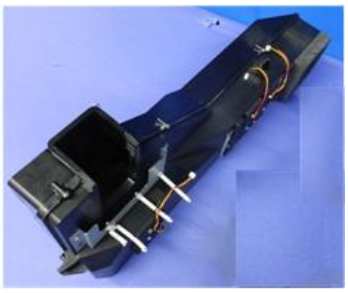
d270b4313

7. Open the clamps and then disconnect the fusing transport exhaust fan (x3, x1).



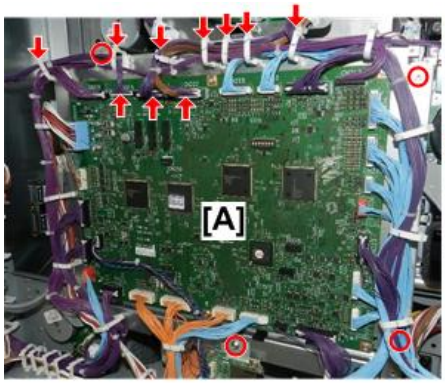
d270b4314

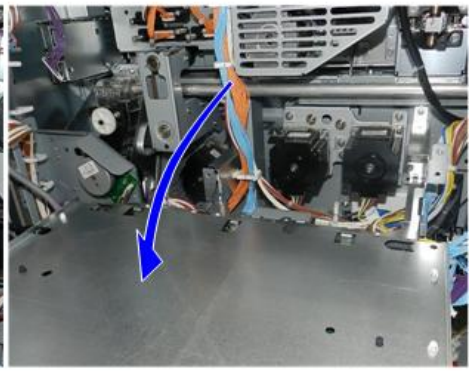
8. Remove the horizontal duct.



d270b4315

9. Lower the IOB (x7, x3, x4). (Lowering the IOB Bracket)





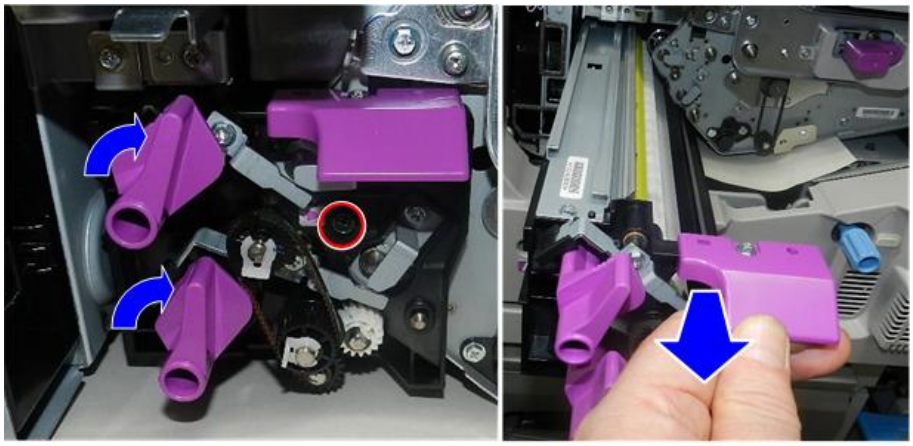
d270b4316

10. At the front, remove the ITB unit cover (x4).

d270b4317

11. Raise the levers, disconnect the ITB cleaning unit, and then pull the unit partially out of the machine (x4).

(This disengages the unit from the PTR/ITB cleaning motor at the rear.)

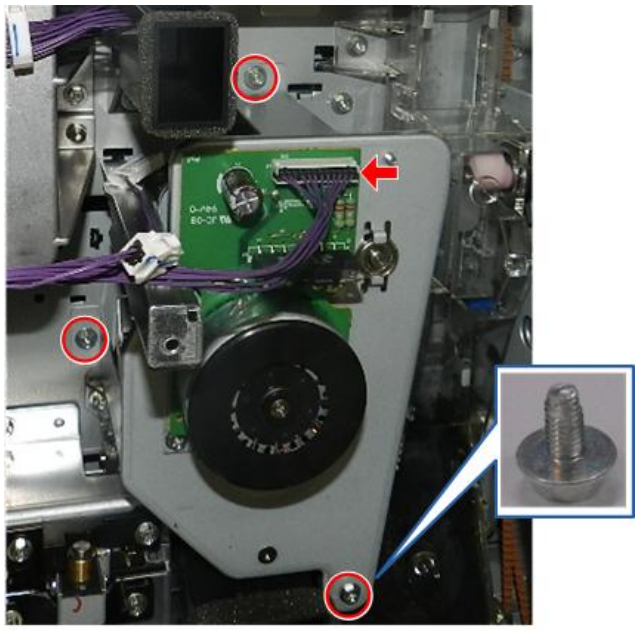


d270b4318

12. Disconnect the PTR/ITB cleaning motor bracket (x3).

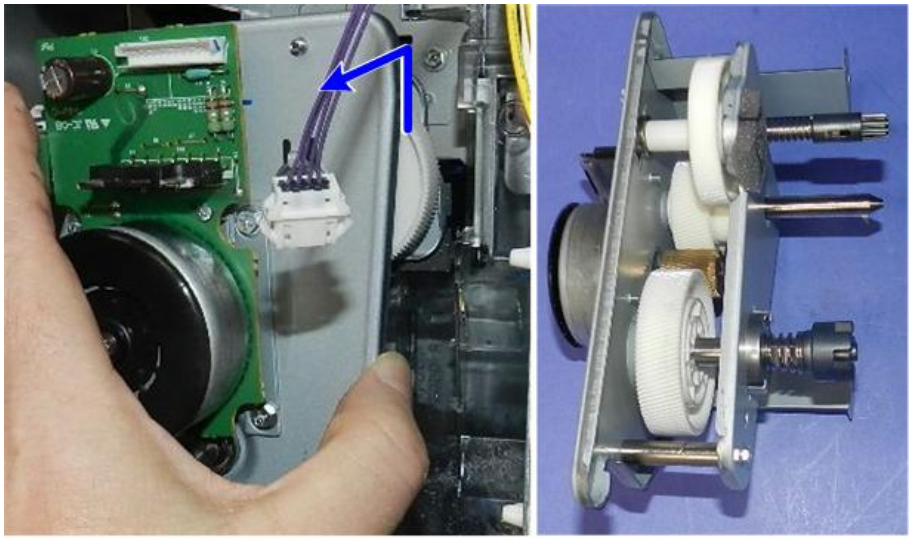
Important

- The lower screw (M3x6) is smaller than the other two screws.



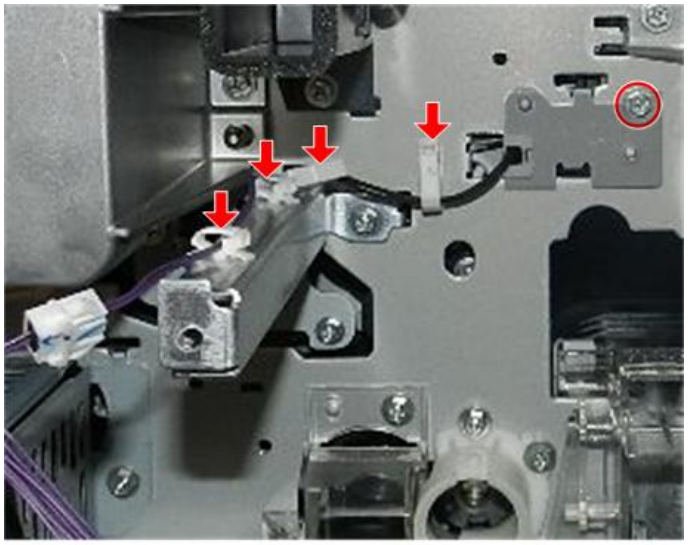
d270b4319

13. Unhook the motor bracket and then remove it with the motor attached.



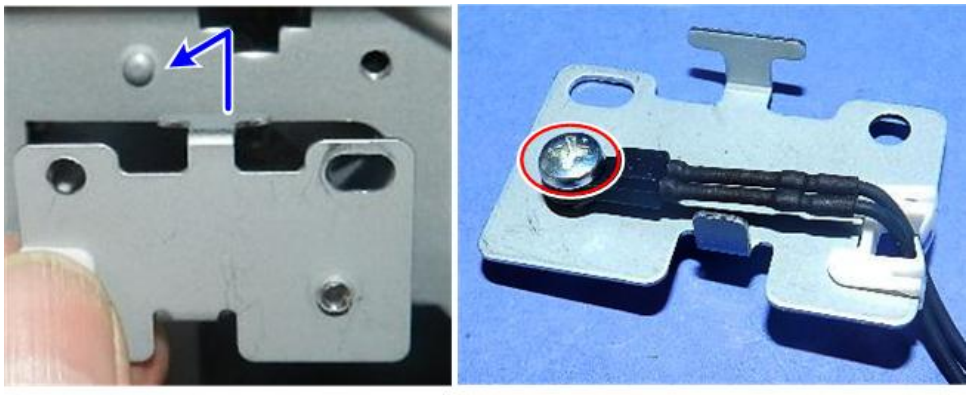
d270b4320

14. Disconnect the thermistor harness and bracket (x3, x1, x1).



d270b4321

15. Remove the thermistor bracket with the thermistor attached.

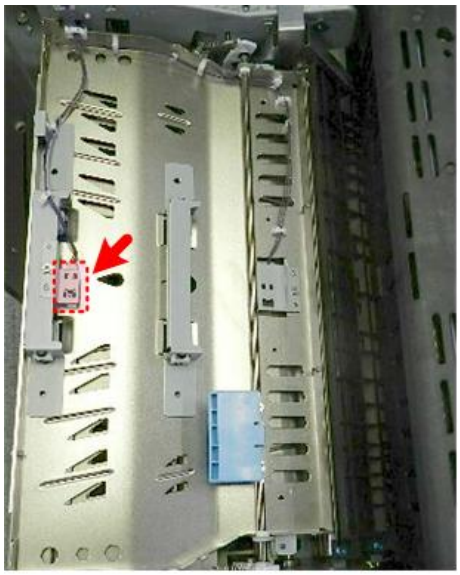


d270b4322

Invert, Duplex, Exit Unit

Exit Sensor

1. Open the front drawer (Opening and Closing the Drawer)
2. The exit sensor is on the left edge of the front drawer.



d1794101

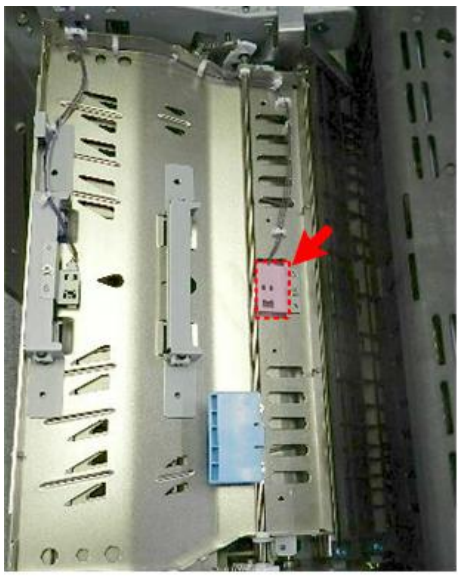
3. Remove the sensor [A] > [B] > [C] (x1, x1, x4)

d1794102

Exit Junction Gate Sensor

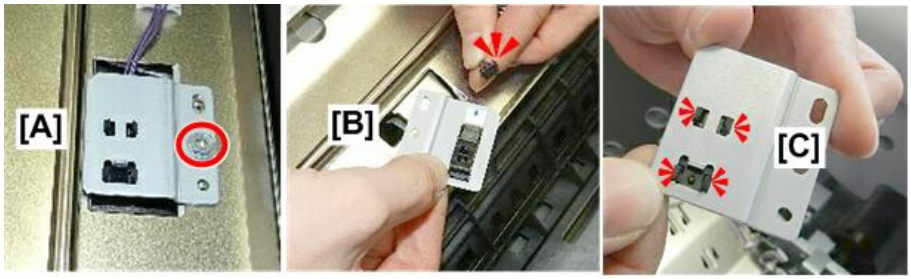
1. Open the front drawer (Opening and Closing the Drawer)

2. The exit junction gate sensor is on the left side of the front drawer.



d1794103

3. Remove the sensor [A] > [B] > [C] (x1, x1, x4).



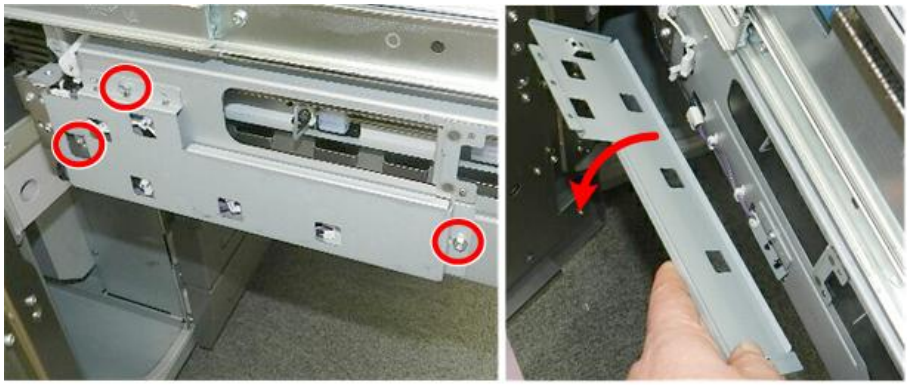
d1794104

Purge Relay Sensor

1. Open the front drawer (Opening and Closing the Drawer)
2. The purge relay sensor is behind a plate on the left bottom edge of the front drawer.

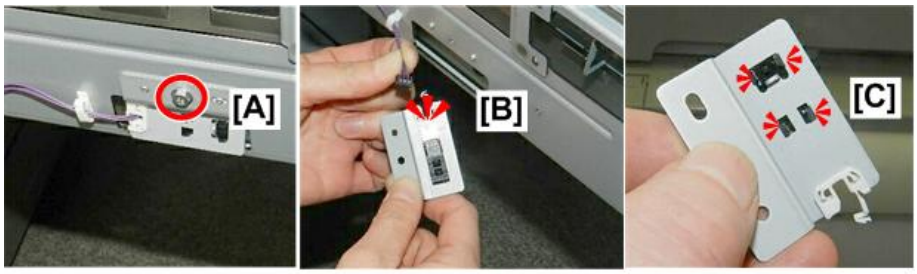
d1794105

3. Remove the plate (x3).



d1794106

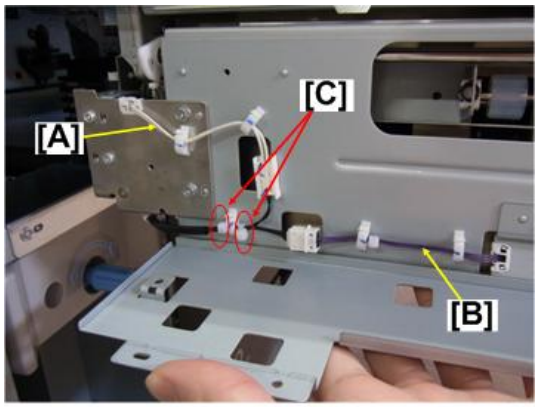
4. Remove the sensor [A] > [B] > [C] (x1, x1, x4).



d1794107

Important

- At re-installation, make sure that the clamp is closed on the invert junction gate solenoid harness [A] and the purge relay sensor harness [B] between the bands [C]. This prevents the connectors disconnecting when the guide plate is opened and closed.



d1794067

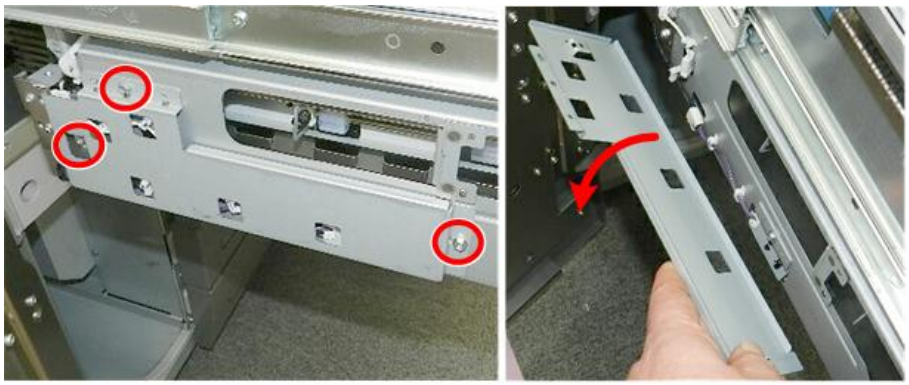
Invert Junction Gate Solenoid

1. Open the front drawer (Opening and Closing the Drawer)

2. The invert junction gate solenoid is behind a plate on the left bottom edge of the front drawer.

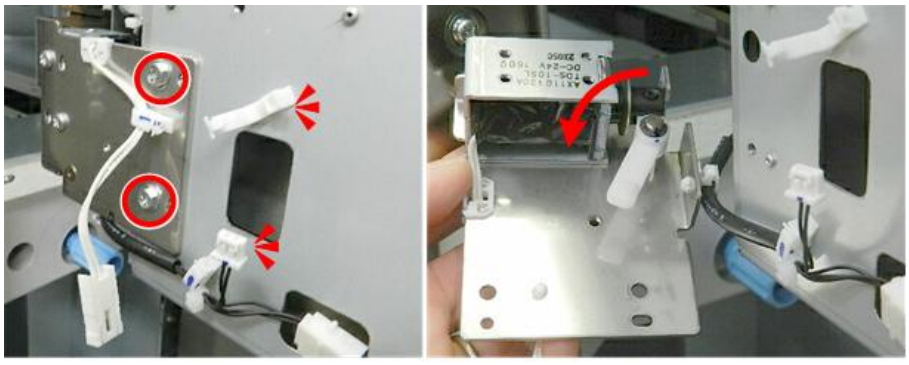
d1794108

3. Remove the plate (x3).



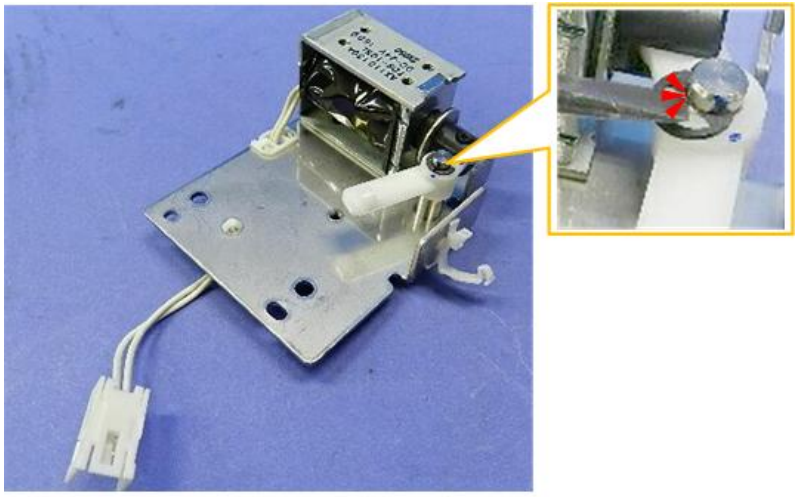
d1794106

4. Remove the bracket (with solenoid attached) (x1, x1, x2).



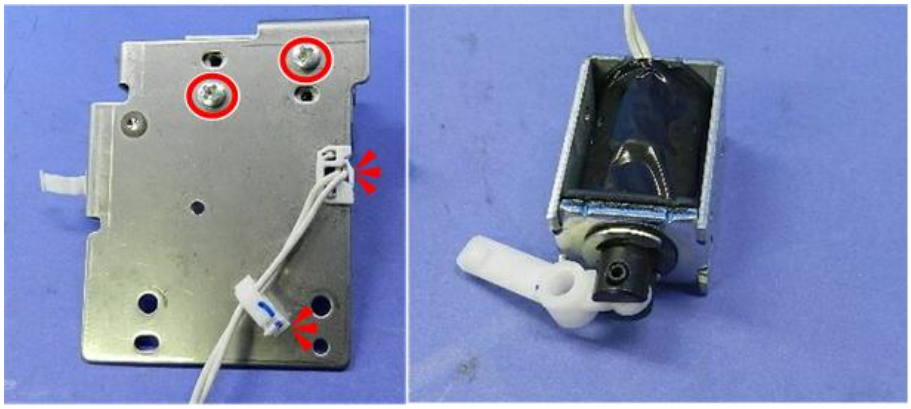
d1794109

5. Disconnect the plunger (x1).



d1794110

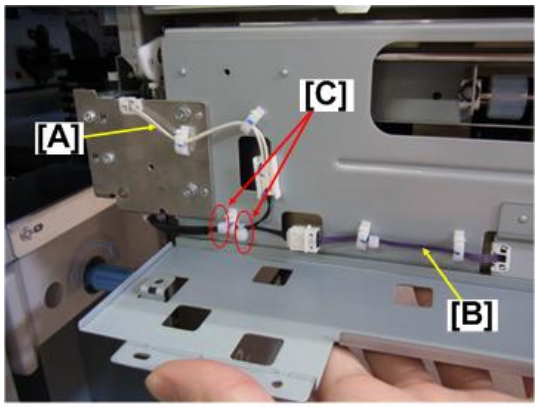
6. Separate the solenoid from the bracket (x2, x2).



d1794111

Important

- At re-installation, make sure that the clamp is closed on the invert junction gate solenoid harness [A] and the purge relay sensor harness [B] between the bands [C]. This prevents the connectors disconnecting when the guide plate is opened and closed.



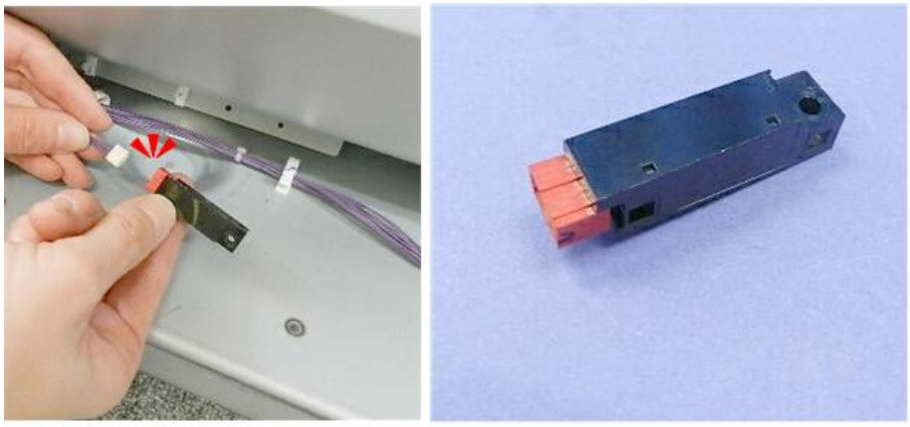
d1794067

Purged Paper Sensor

1. Remove the left cover (Left Cover)
2. The purged paper sensor is at the bottom left side of the machine.

d1794112

3. Pull the sensor out and disconnect it (x1).

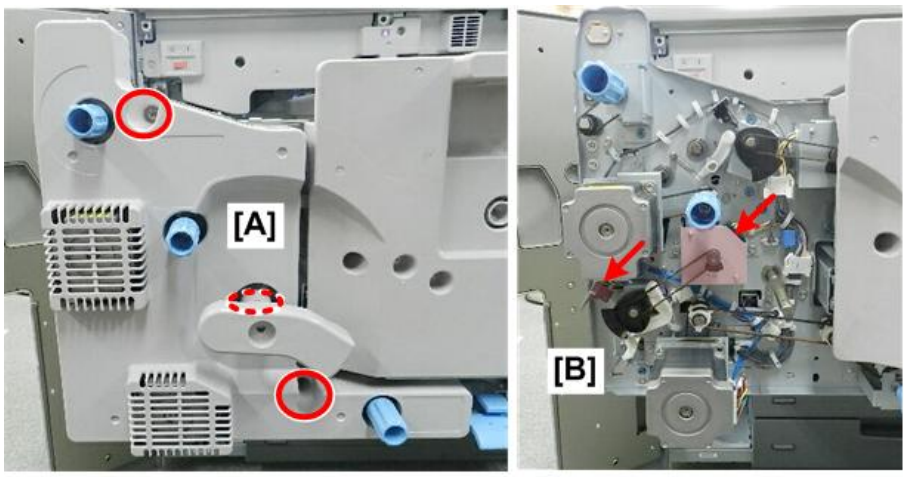


d1794114

Invert Exit Motor, Invert Exit HP Sensor

1. Pull out the drawer
2. Remove the left front cover of the drawer [A] (x3).

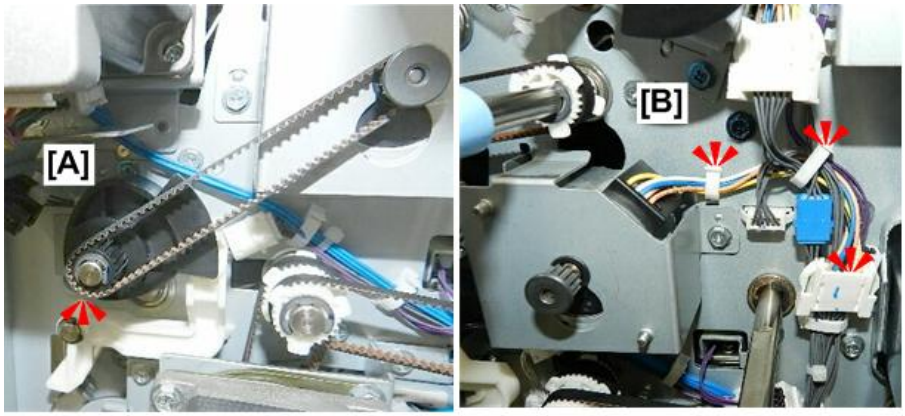
3. The invert exit motor and invert exit HP sensor are at the center [B].



d1794115

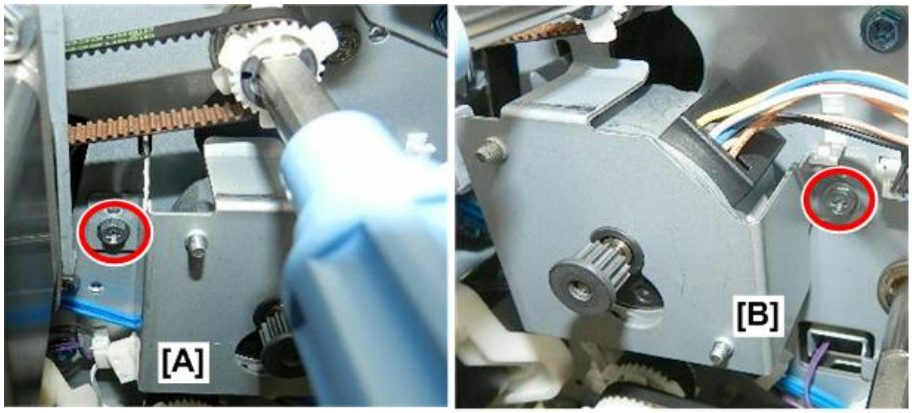
Invert Exit Motor

1. Disconnect:
   [A] Belt (x1)
   [B] Harness (x2, x1)



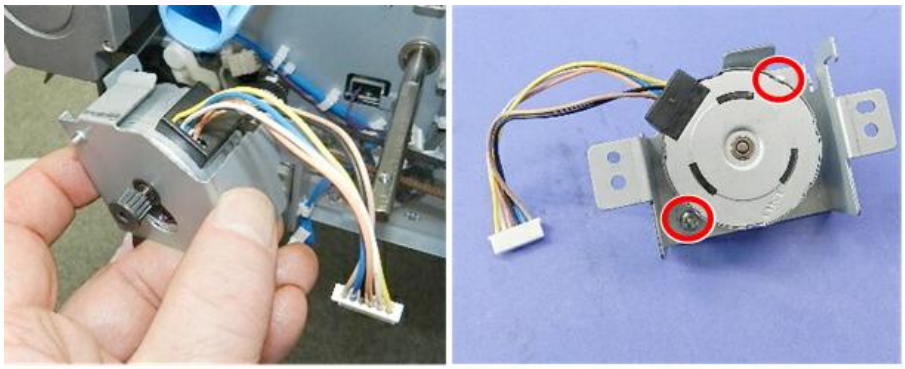
d1794116

2. Disconnect the motor bracket:
   [A] Left side (x1)
   [B] Right side (x1)



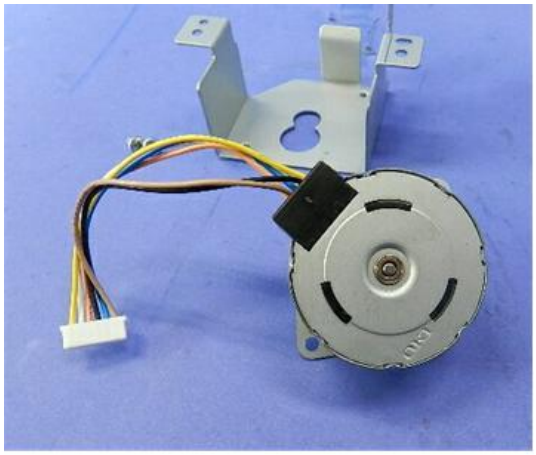
d1794117

3. Remove the bracket (with motor attached).
4. Disconnect the motor from the bracket (x2).



d1794118

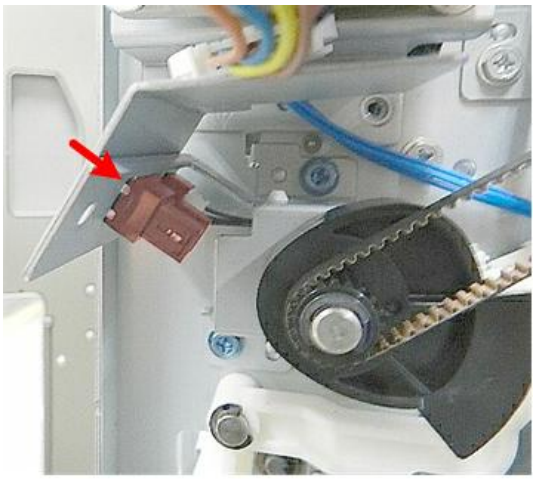
5. Separate motor and bracket.



d1794119

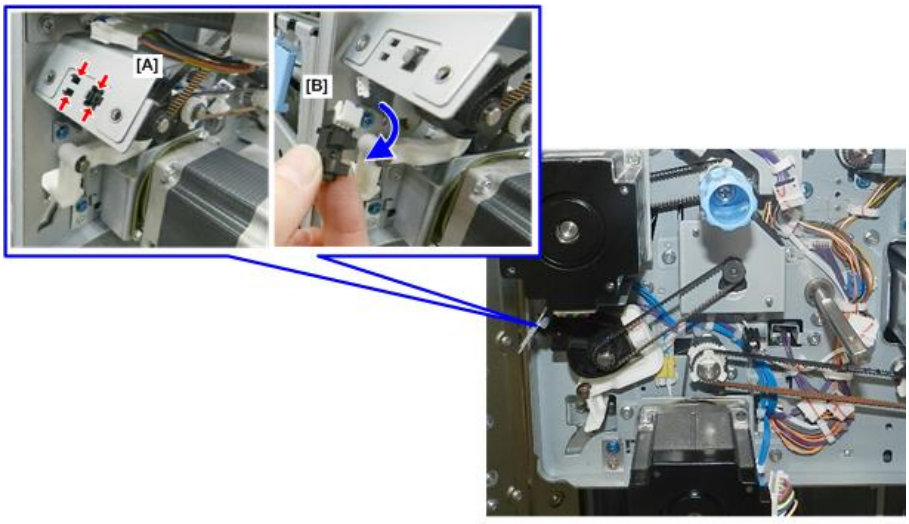
Invert Exit HP Sensor

1. The invert exit HP sensor is mounted on a plate above the belt.



d1794120

2. Disconnect the sensor [A] and then remove it [B] (x4, x1).

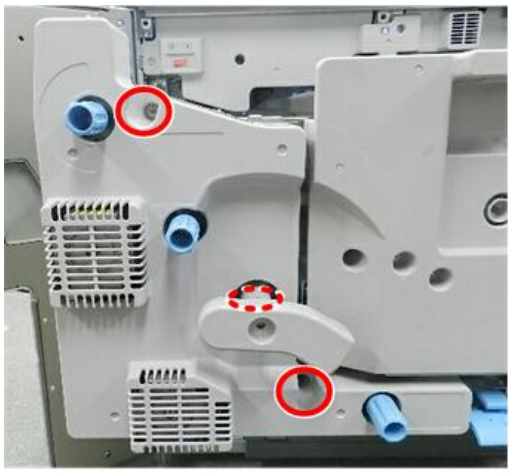


d270b4121

Invert Entrance Motor

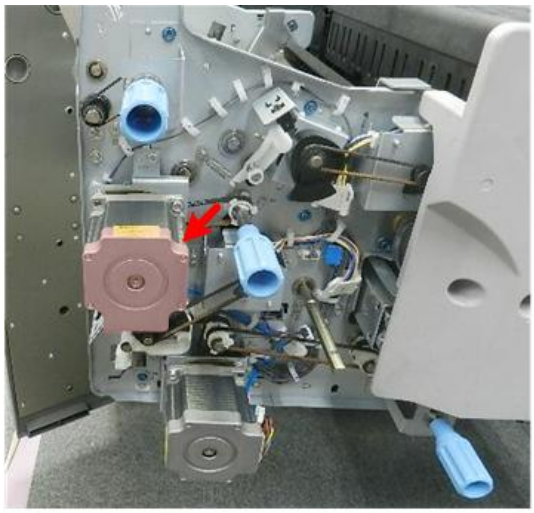
1. Pull out the front drawer. (Opening and Closing the Drawer)

2. Remove the left front cover of the drawer (x3).



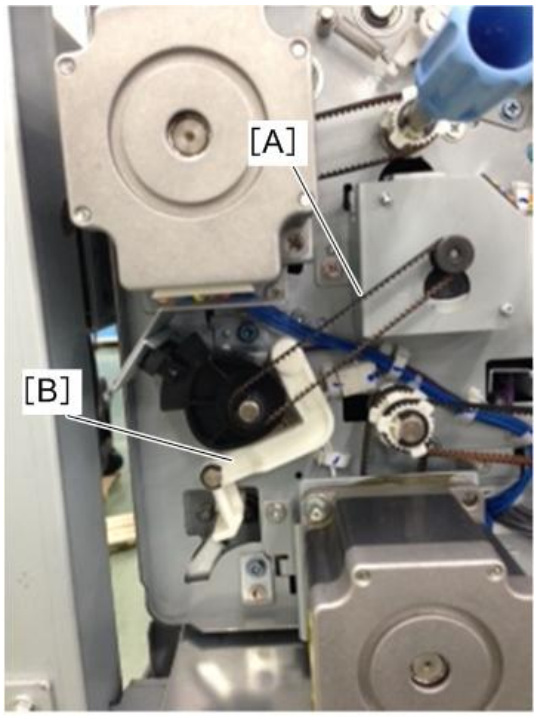
d1794184

3. The invert entrance motor is on the left.



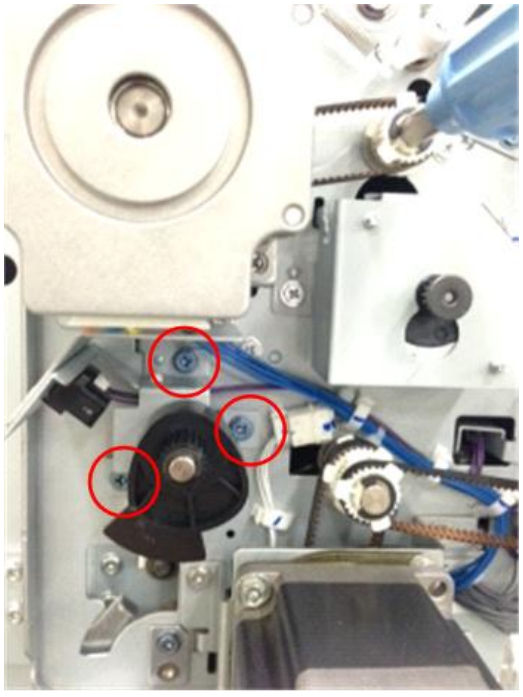
d1794122

4. Remove the timing belt [A] and the link [B] (x1,x1).



d1794186

5. Remove the cam bracket (x3).



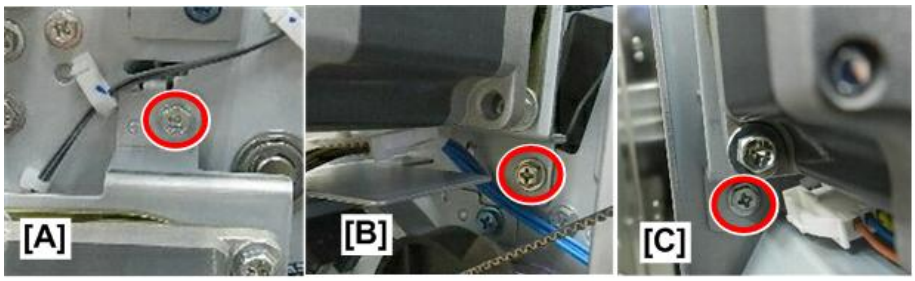
d1794187

6. Disconnect the motor bracket:

   [A] Top (x1)

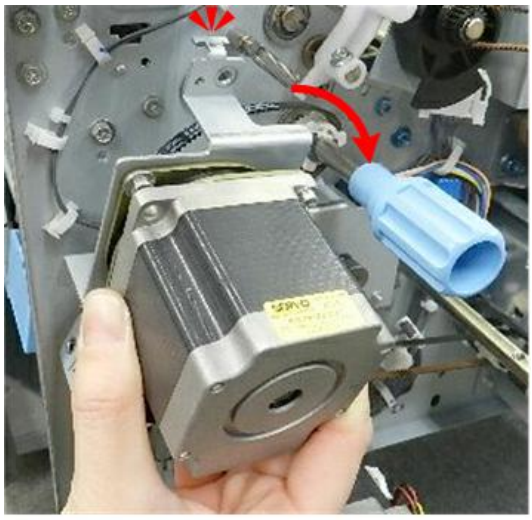
   [B] Lower right (x1)

   [C] Lower left (x1)



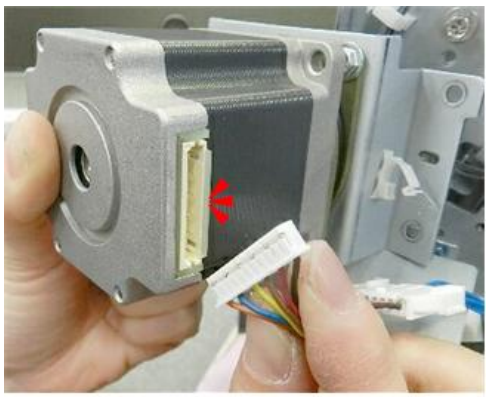
d1794123

7. Unhook the motor bracket (the motor is still connected).



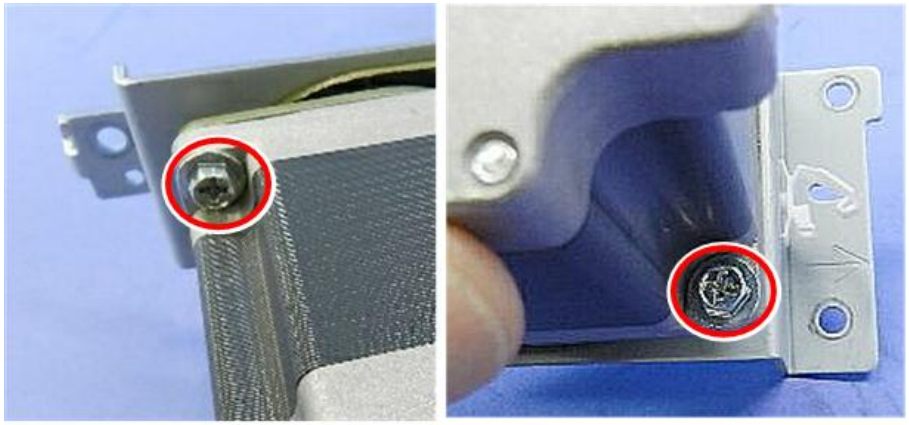
d1794124

8. Disconnect the motor (x1).



d1794125

9. Disconnect the motor from the bracket (x2).



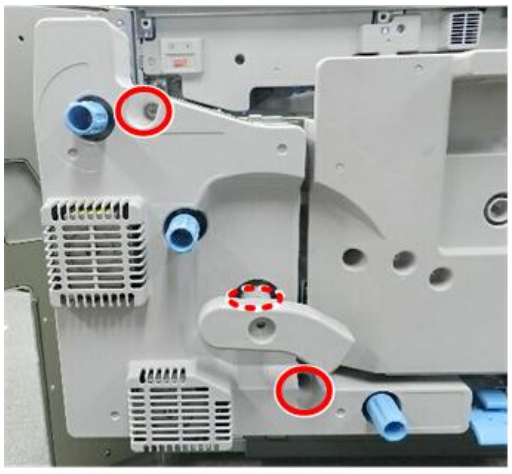
d1794126

10. Separate motor and bracket.

d1794127

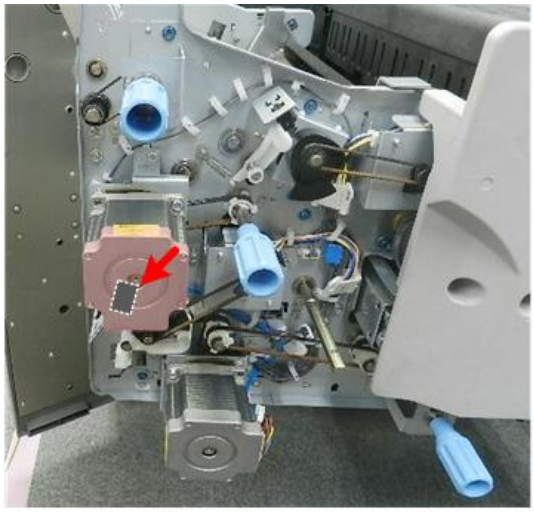
Exit Invert Sensor

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the left front cover of the drawer (x3).



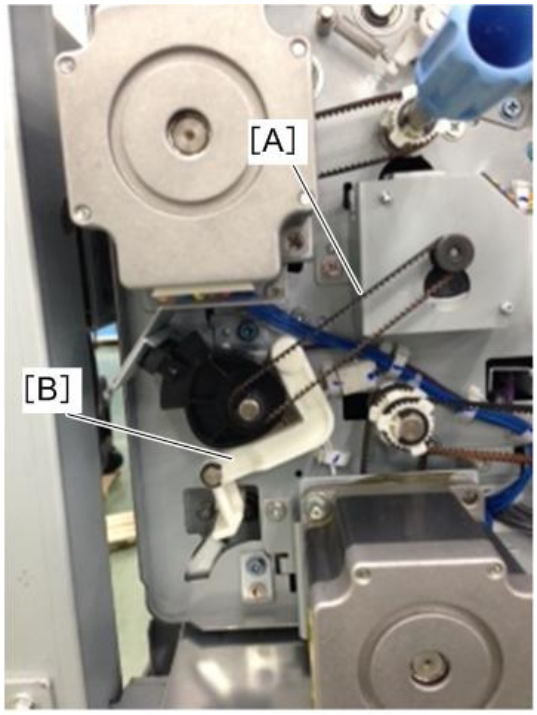
d1794184

3. The exit invert sensor is behind the invert entrance motor.



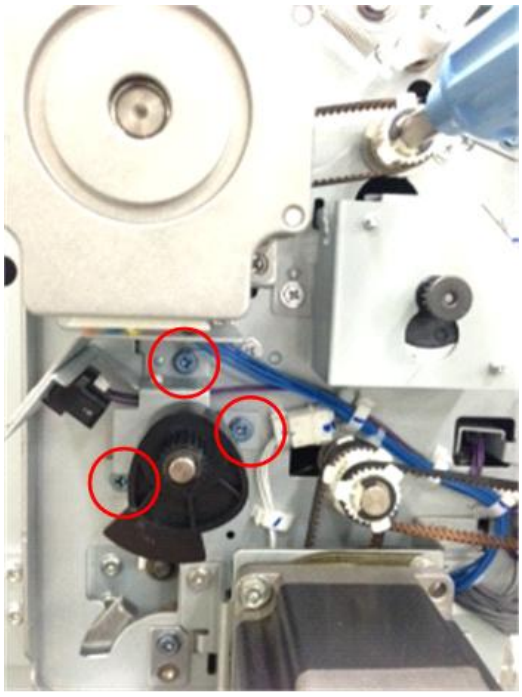
d1794128

4. Remove the timing belt [A] and the link [B] (x1,x1).



d1794186

5. Remove the cam bracket (x3).



d1794187

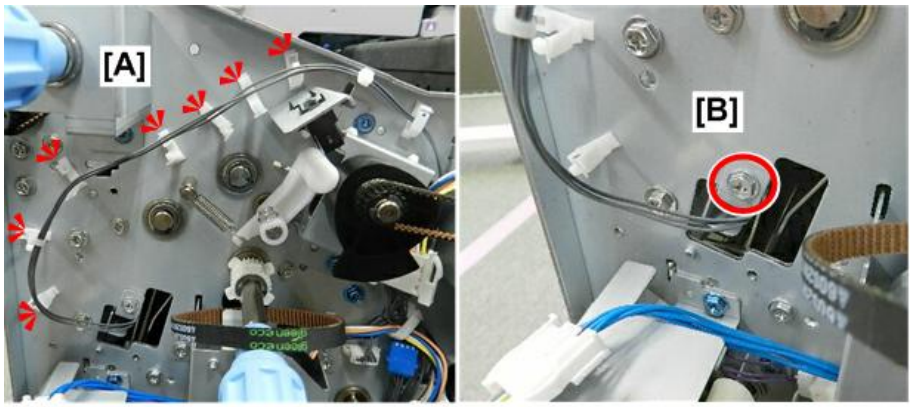
6. First, remove the motor (see the previous section).

d1794129

7. Disconnect:

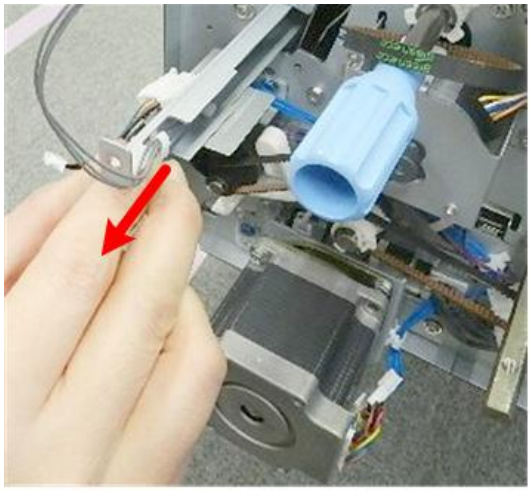
   [A] Harness (x7)

   [B] Sensor bracket (x1).



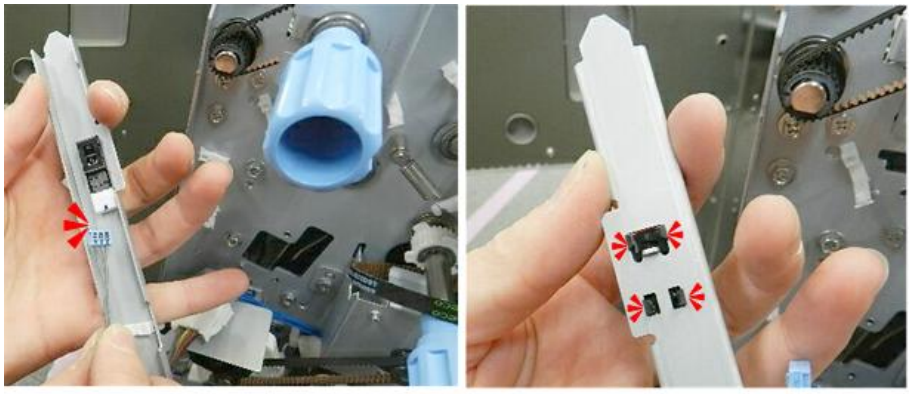
d1794130

8. Pull out the sensor bracket.



d1794131

9. Disconnect the sensor (x1, x4).

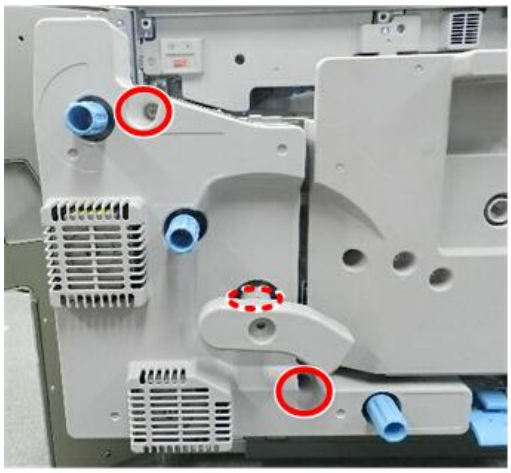


d1794132

Duplex Transport Motor 1

1. Pull out the front drawer

2. Remove the left front cover of the drawer (x3).

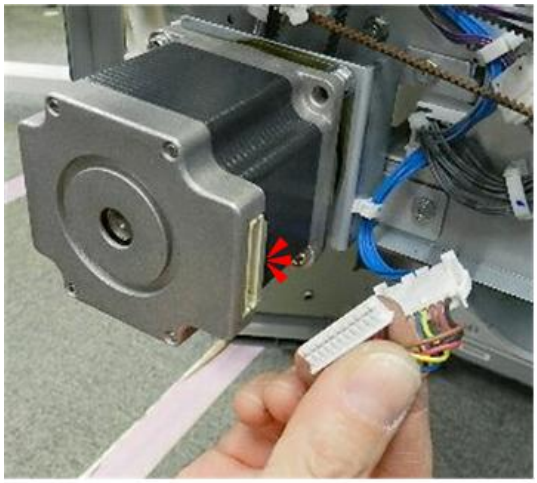


d1794184

3. Duplex transport motor 1 is at the bottom.

d1794133

4. Disconnect the motor (x1).



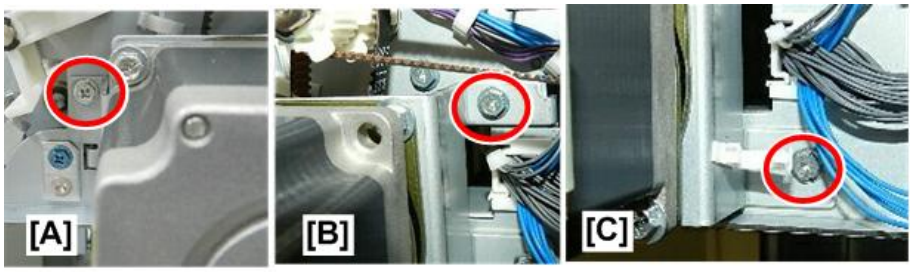
d1794134

5. Disconnect the motor bracket:

[A] Top left (x1)

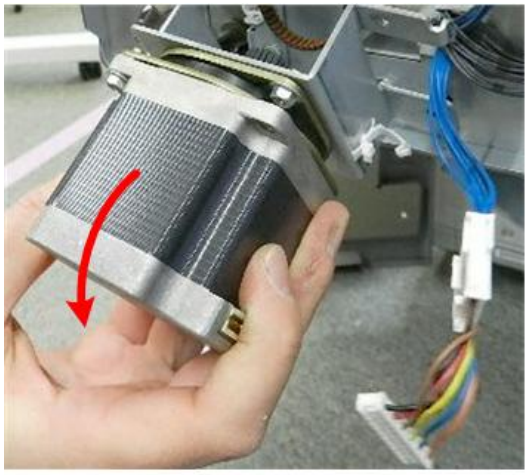
[B] Upper right (x1)

[C] Lower right (x1)



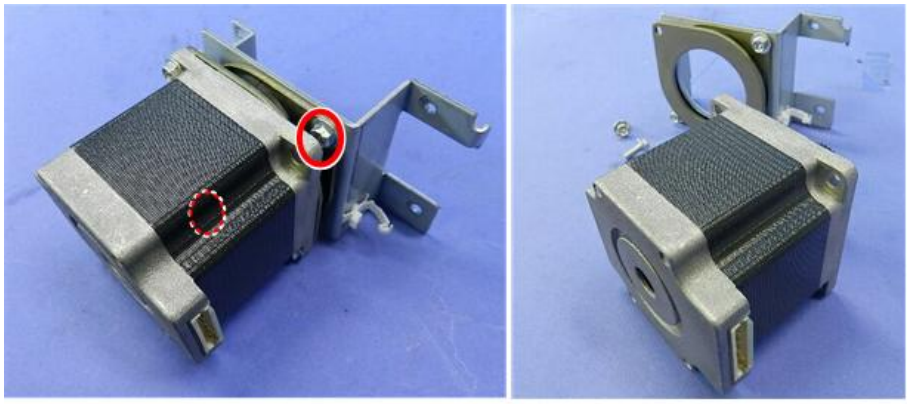
d1794135

6. Remove the motor bracket (with motor attached).



d1794136

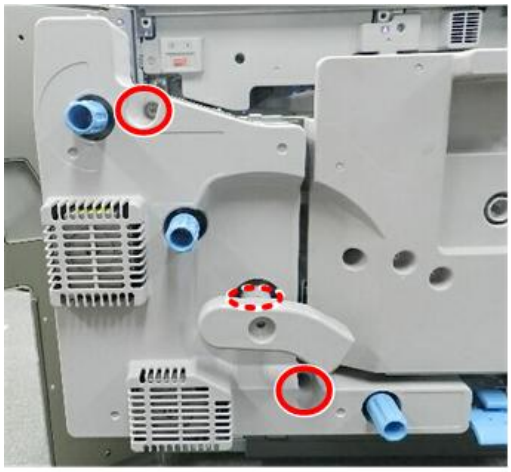
7. Separate the motor from the bracket (x2).



d1794137

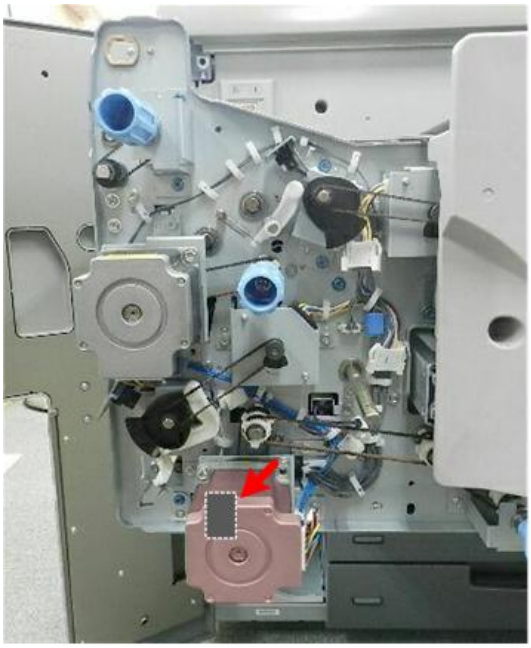
Duplex Invert Sensor

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the left front cover of the drawer (x3).



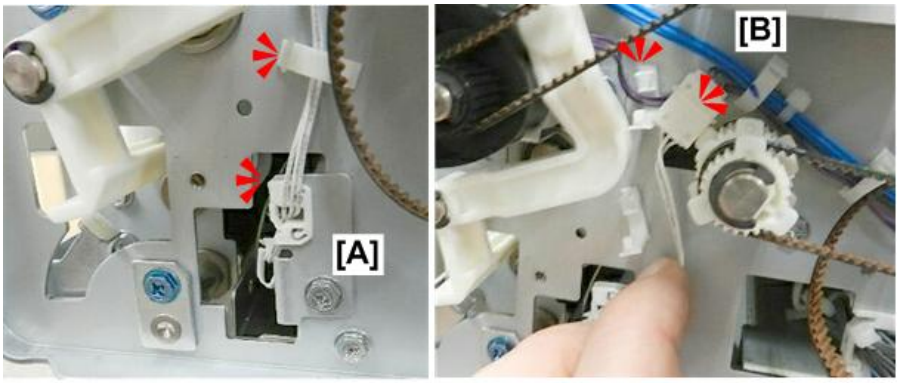
d1794184

3. The duplex invert sensor is behind duplex transport motor 1.



d1794138

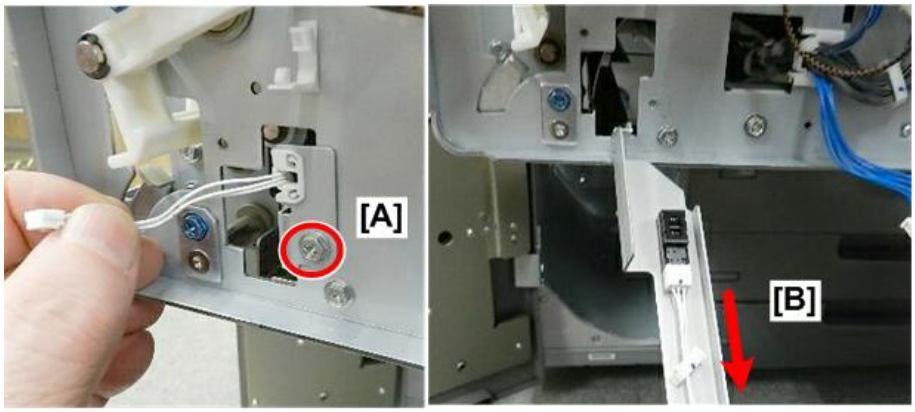
4. First, remove the motor (see the previous section).
5. Free the harness [A] at the sensor bracket (x2).
6. Disconnect the harness above [B] (x1, x1).



d1794139

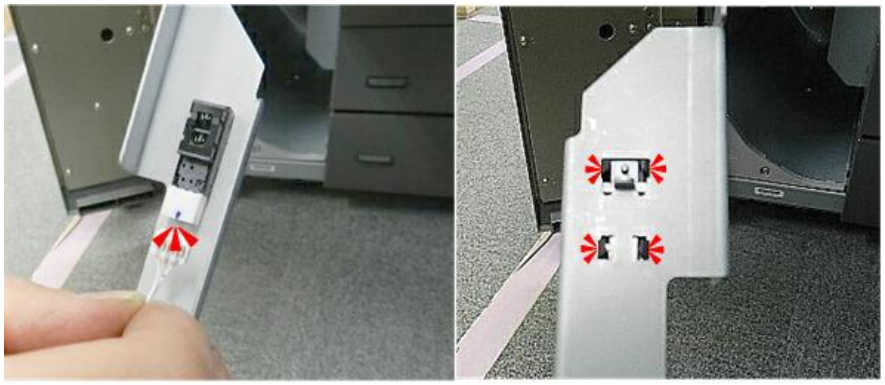
7. Disconnect the sensor bracket [A] (x1).

8. Pull out the bracket [B] (with sensor attached).



d1794140

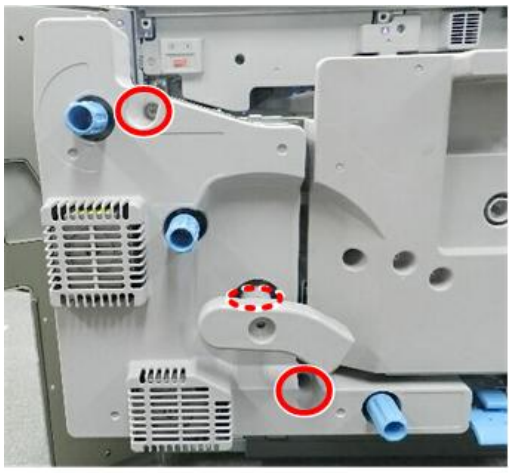
9. Remove the sensor (x1, x4).



d1794141

Duplex Transport Sensor 1

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the left front cover of the drawer (x3).

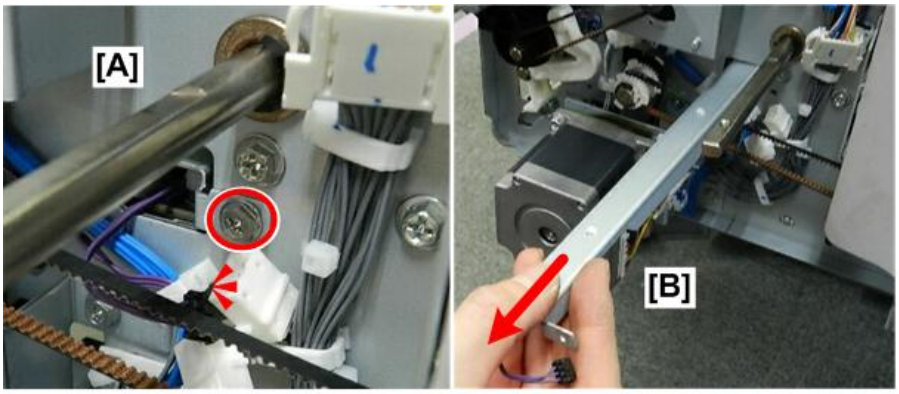


d1794184

3. Duplex transport sensor 1 is at the lower right.

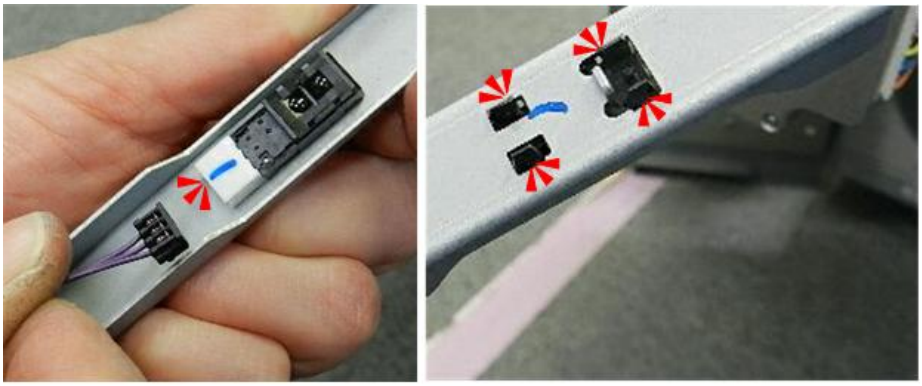
d1794142

4. Disconnect the harness and the sensor bracket [A] (x1, x1).
5. Pull out the bracket [B].



d1794143

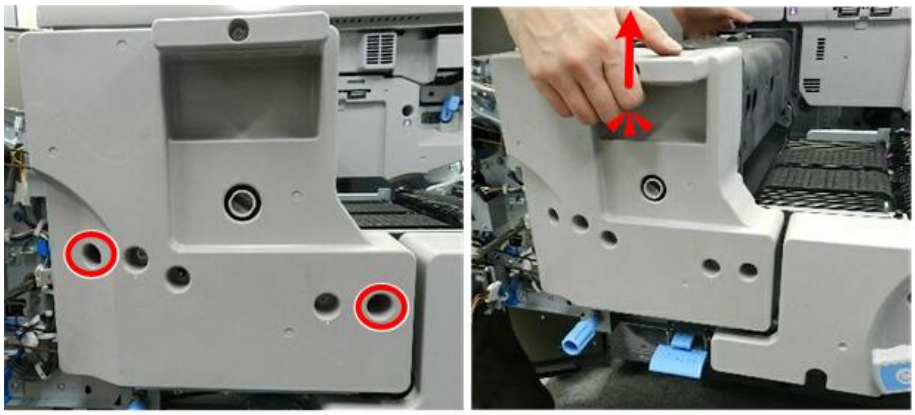
6. Remove the sensor (x1, x4).



d1794144

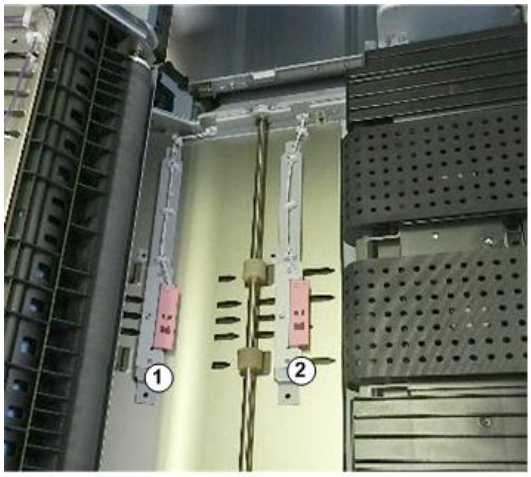
Duplex Transport Sensor 2, 3

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the fusing unit (x2).



d1794145

①	Duplex transport sensor 2
②	Duplex transport sensor 3

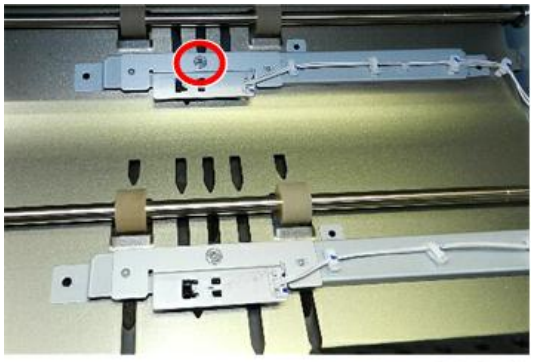


d1794146

Note

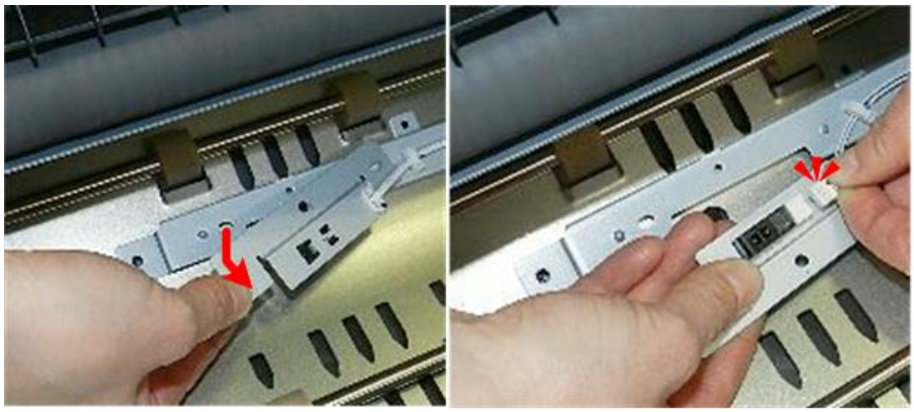
- The removal procedure for both sensors is the same. Only the removal procedure for duplex transport sensor 2 is described below.

3. Disconnect the sensor bracket (x1).



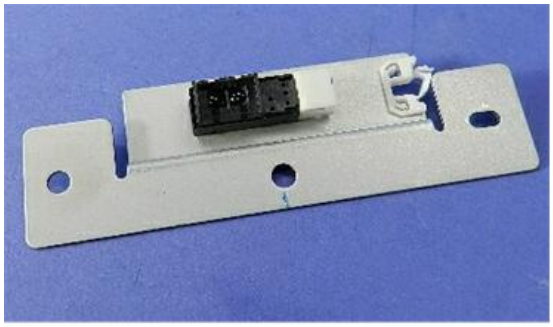
d1794147

4. Pull off the sensor bracket (with sensor attached), and then disconnect the sensor (x1).



d1794148

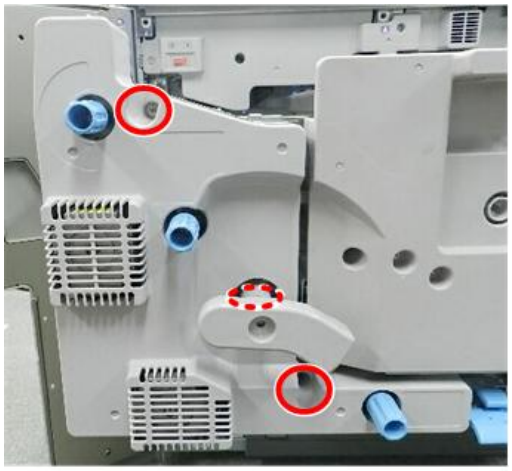
5. Separate the sensor from the bracket (x4).



d1794149

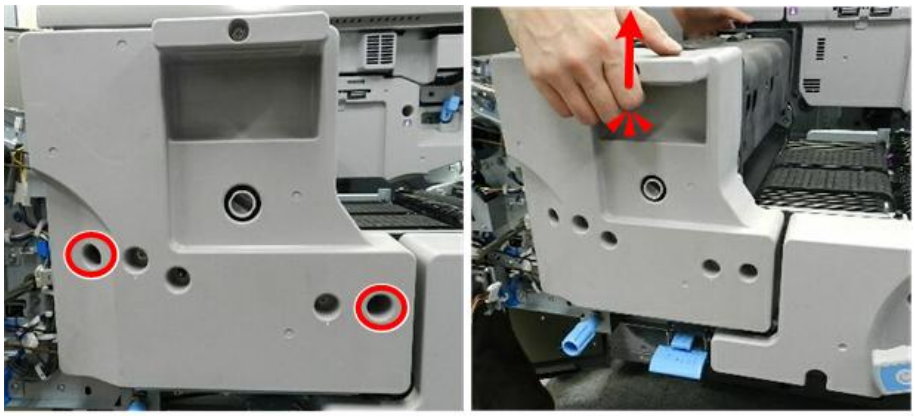
Exit Junction Gate Motor, Exit Junction Gate HP Sensor

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the left front cover of the drawer (x3).



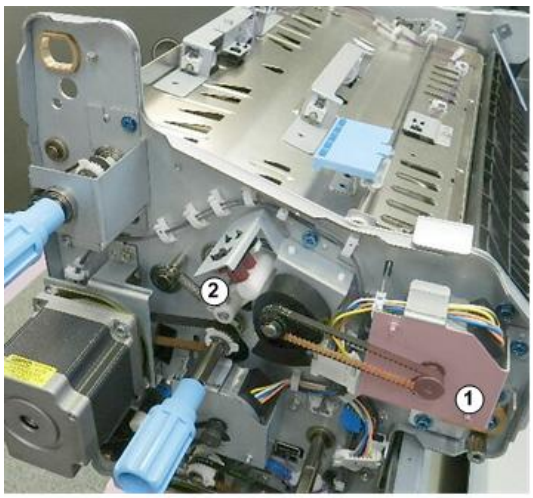
d1794184

3. Remove the fusing unit (x2).



d1794145

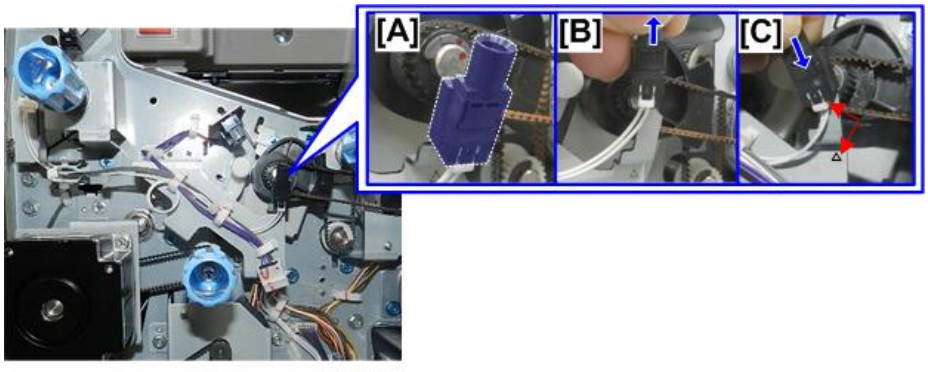
4. The exit junction gate motor ① is on the right and the exit junction gate HP sensor ② is on the left.



d1794150

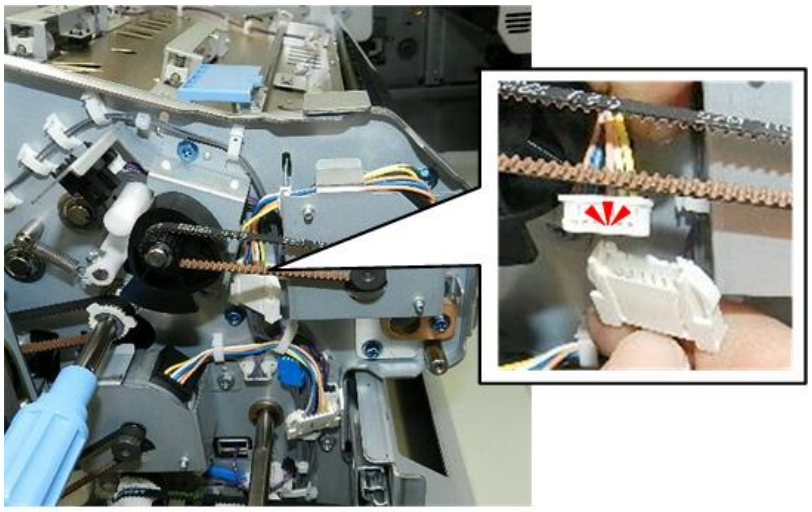
Exit Junction Gate Motor

1. The jam LED [A] blocks the removal of the drive belt.
2. Pull the LED off its post [B] and let it hang free. Do not disconnect it.
3. When you set the LED on its post again [C], make sure that the connector and small black triangle are on the same side.



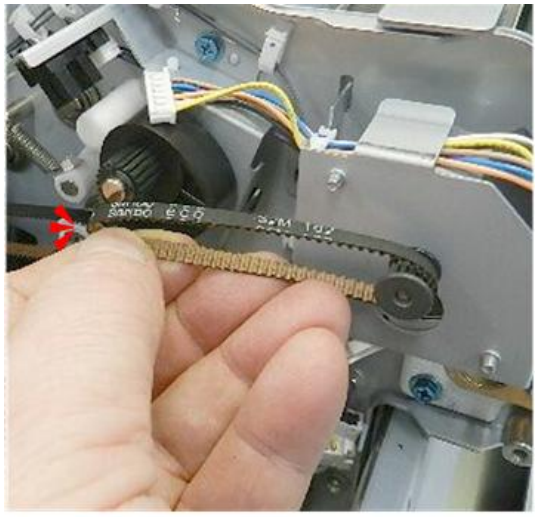
d270b4150

4. Disconnect the motor (x1).



d1794151

5. Disconnect the belt (x1).

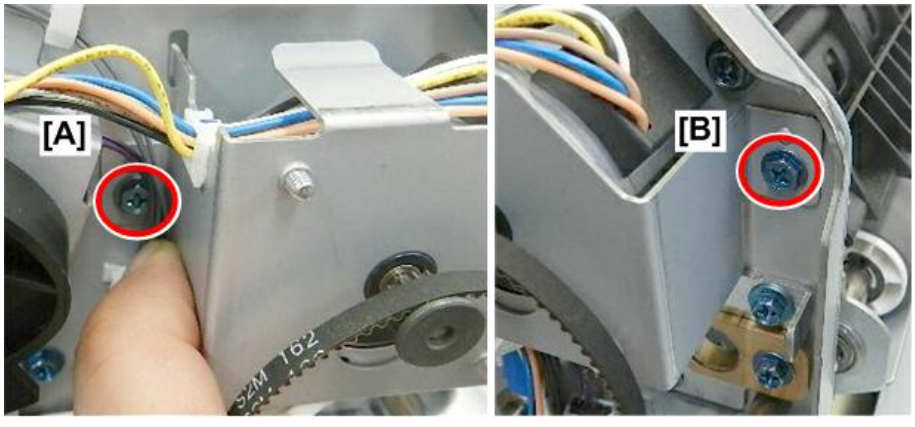


d1794152

6. Disconnect the motor bracket:

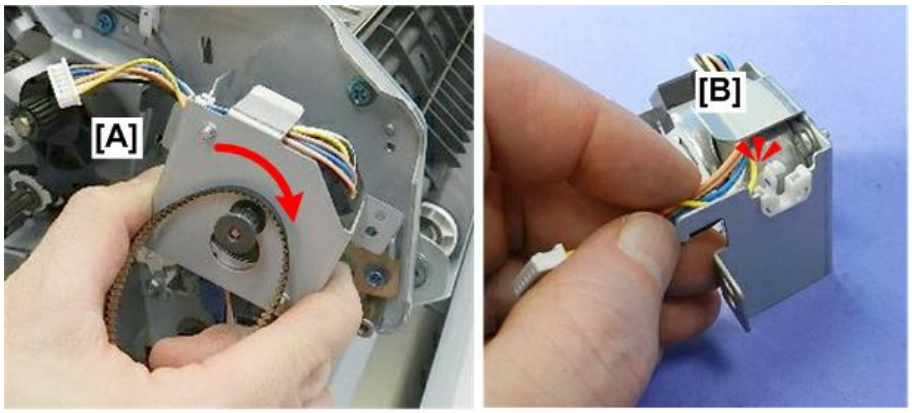
[A] Left (x1)

[B] Right (x1)



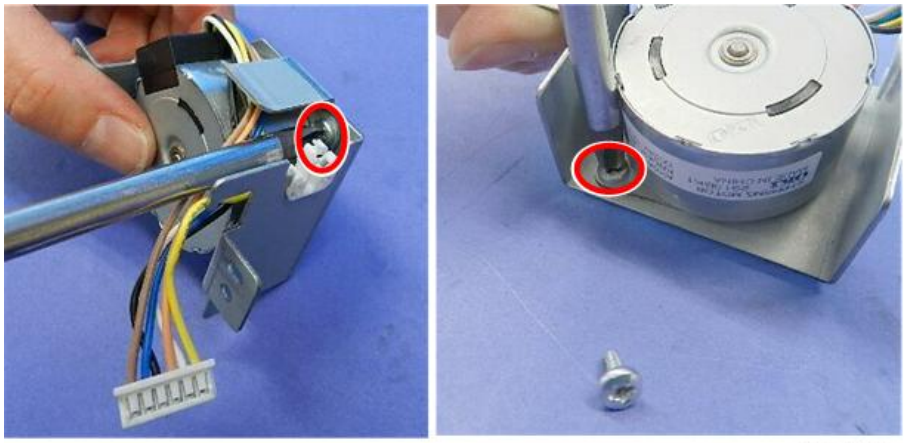
d1794153

7. Remove the bracket [A] (with motor attached).
8. Disconnect the harness [B] (x1).



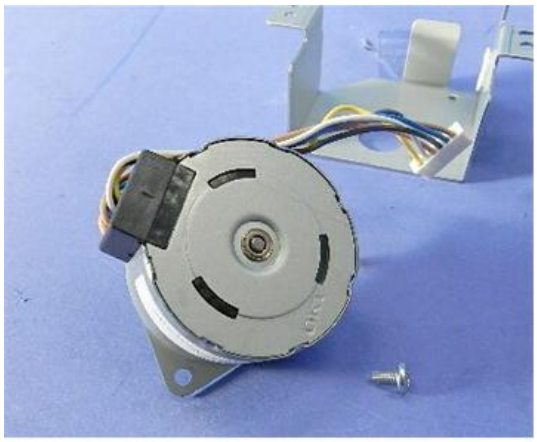
d1794154

9. Disconnect the motor (x2).



d1794155

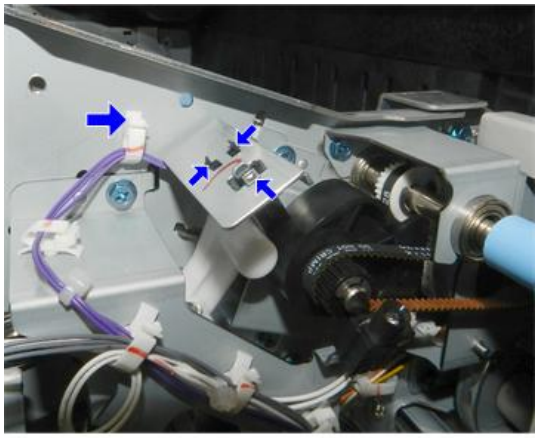
10. Separate motor and harness.



d1794156

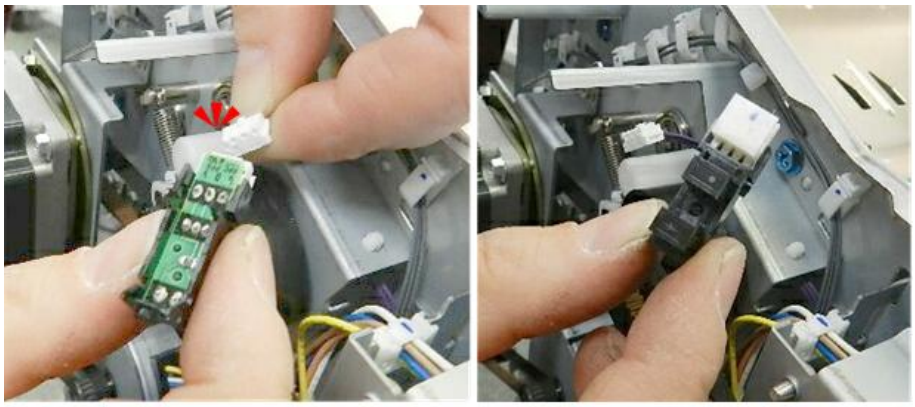
Exit Junction Gate HP Sensor

1. Disconnect the sensor from the bracket (x1, x3)



d270b4157

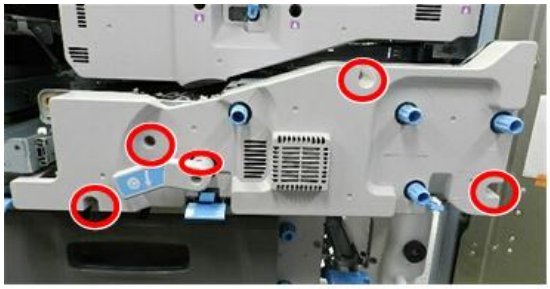
2. Disconnect the sensor (x1).



d1794158

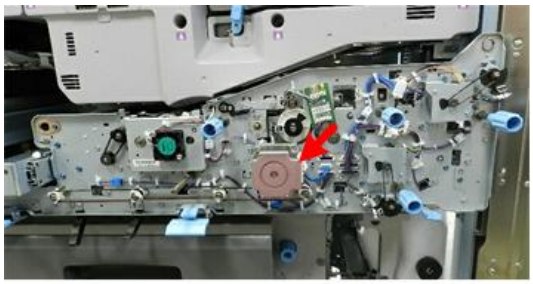
Duplex Transport Motor 2

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the right front cover (x5).



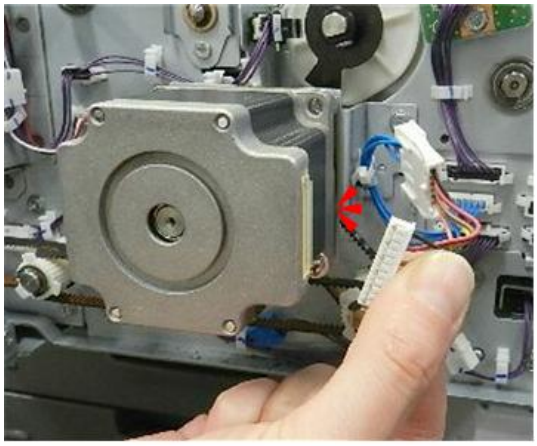
d1794159

3. Duplex transport motor 2 is in the center.



d1794160

4. Disconnect the motor (x1).

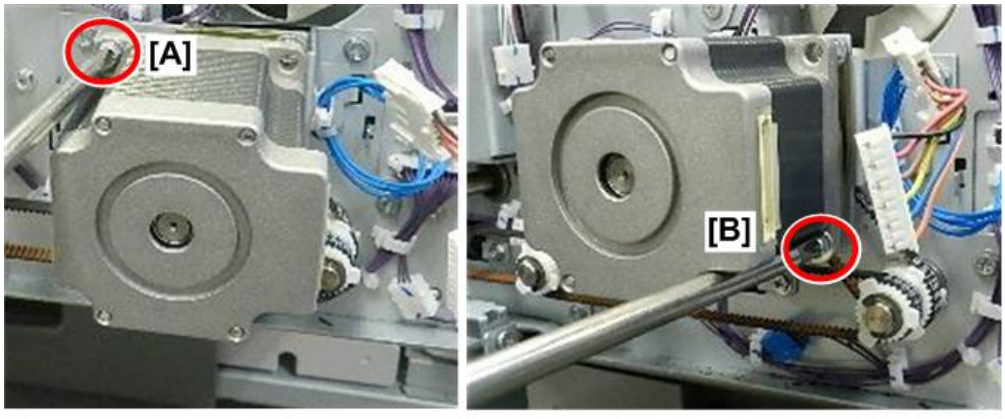


d1794161

5. Disconnect the motor bracket:

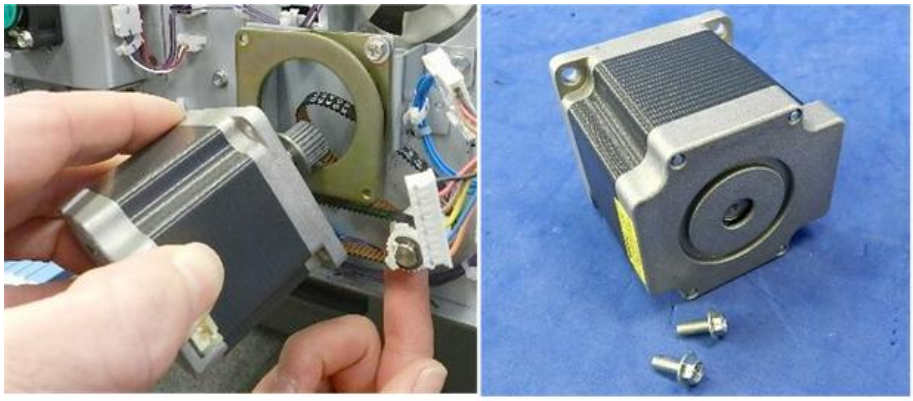
[A] Upper left (x1)

[B] Lower right (x1)



d1794162

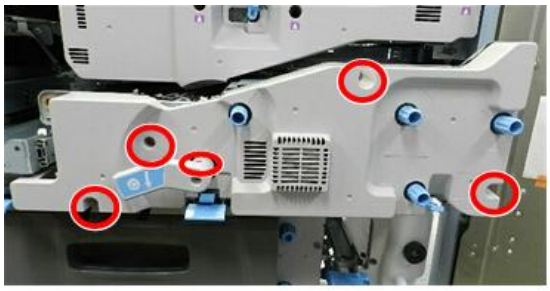
6. Remove the motor.



d1794163

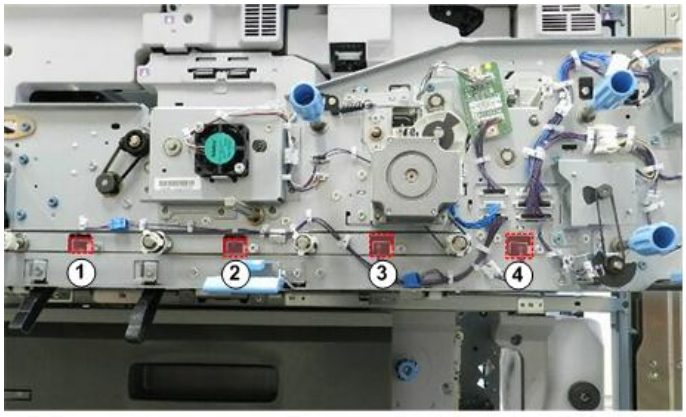
Duplex Transport Sensor 4, 5, 6, Duplex Exit Sensor

1. Pull out the front drawer (Opening and Closing the Drawer)
2. Remove the right front cover (x5).



d1794159

①	Duplex transport sensor 4
②	Duplex transport sensor 5
③	Duplex transport sensor 6
④	Duplex exit sensor



d1794164

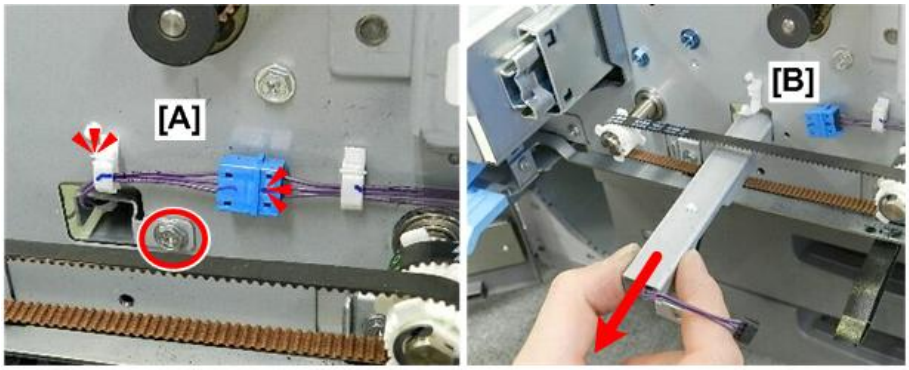
Note

- Only one removal is described below because the procedure is the same for each sensor.

3. Disconnect:

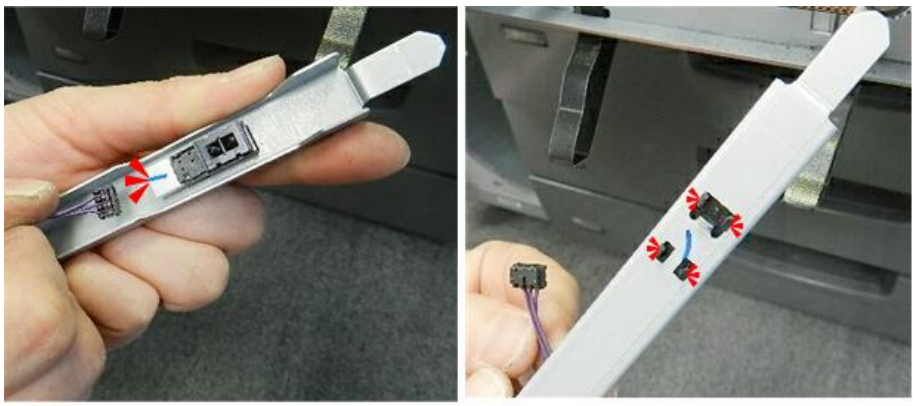
[A] Harness, sensor bracket (x1, x1, x1)

[B] Pull out the sensor bracket



d1794165

4. Remove the sensor (x1, x4).

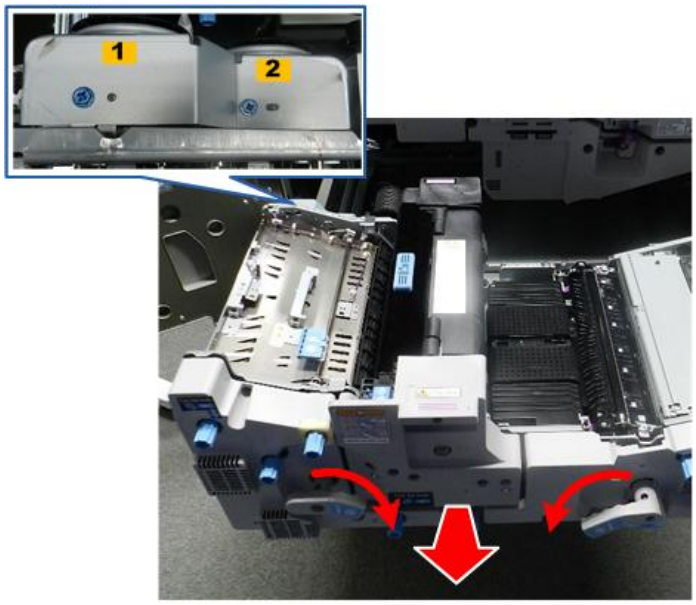


d1794166

Exit Motor

1. Turn the machine off and then wait at least 15 minutes for it to cool.
2. Open both front doors, and then pull out the drawer.

3. The exit motor [1] and the heat pipe roller motor [2] are on the rear left corner of the exit unit.



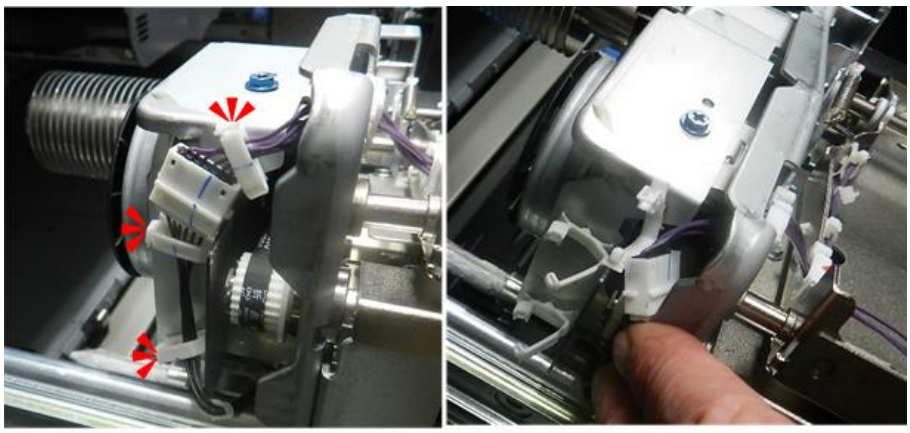
d270b4025

⚠CAUTION

- The heat sink on the end of the heat pipe becomes hot during machine operation and has sharp edges.
- Allow the machine to cool for several minutes before you remove the motor.
- Avoid touching the heat sink [1] with bare hands while you work.

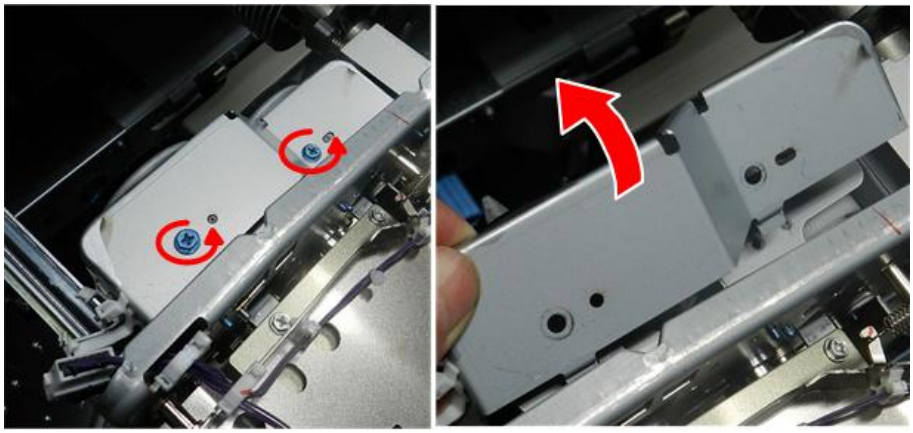
d270b4026

4. Free the harness at the corner (x3). You do not need to disconnect the harnesses.



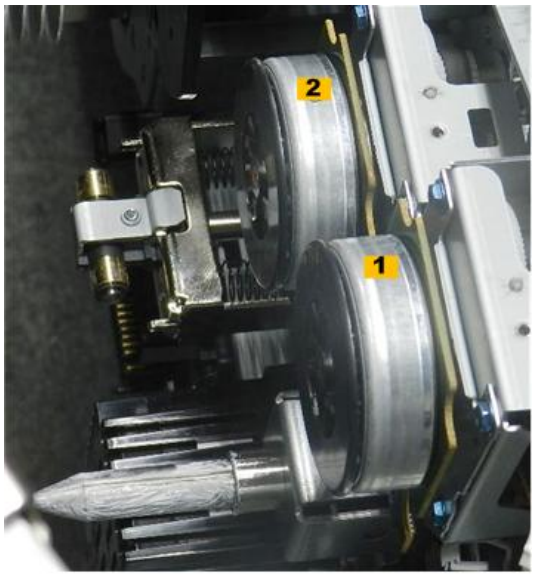
D270b4027

5. Remove the cover plate (x2).



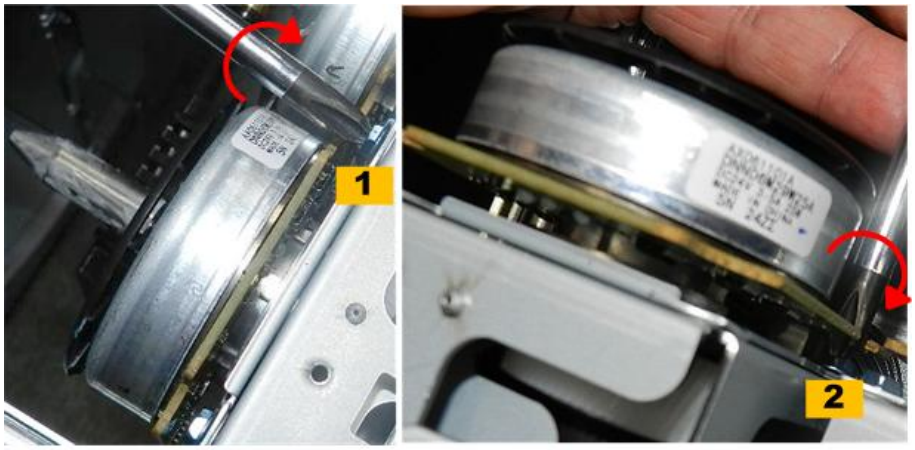
D270b4028

6. [1] is the exit motor, and [2] is the heat pipe roller motor.



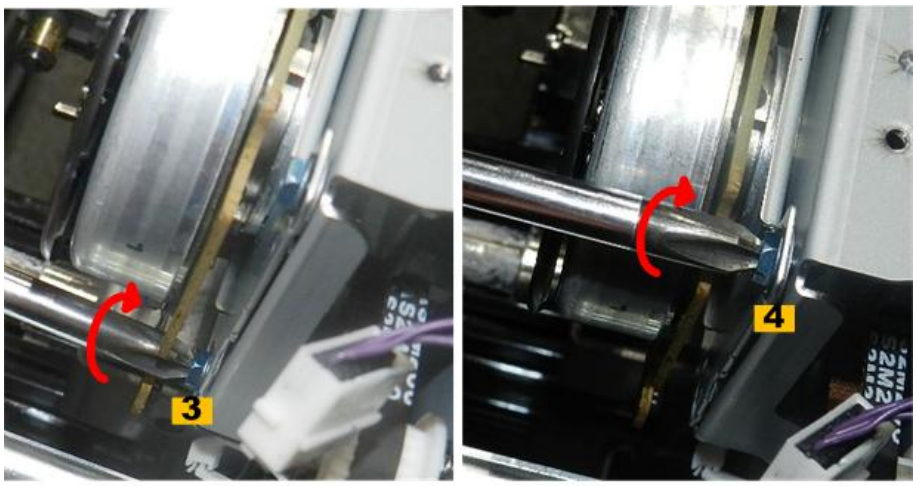
d270b4029

7. Use a short screwdriver to disconnect the top right corner [1] and bottom right corner [2] of the exit motor



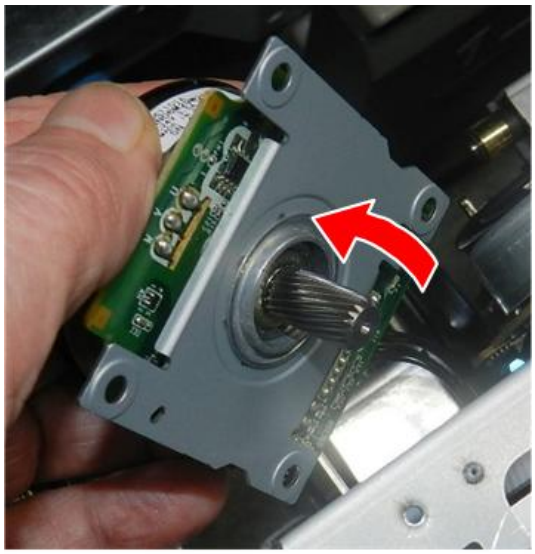
d270b4030

8. Disconnect the bottom left corner [3].
9. To prevent the motor from falling, hold the back of the motor with your other hand as you disconnect the top left corner [4].



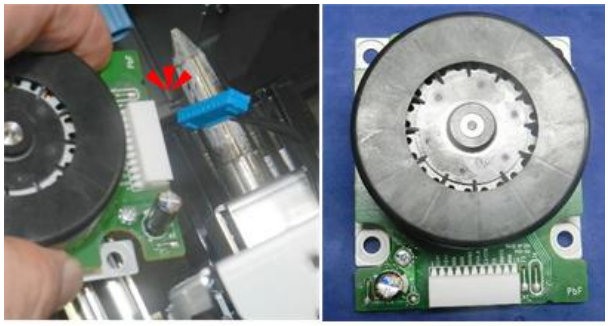
d270b4031

10. Pull the motor slightly away from the machine.



d270b4032

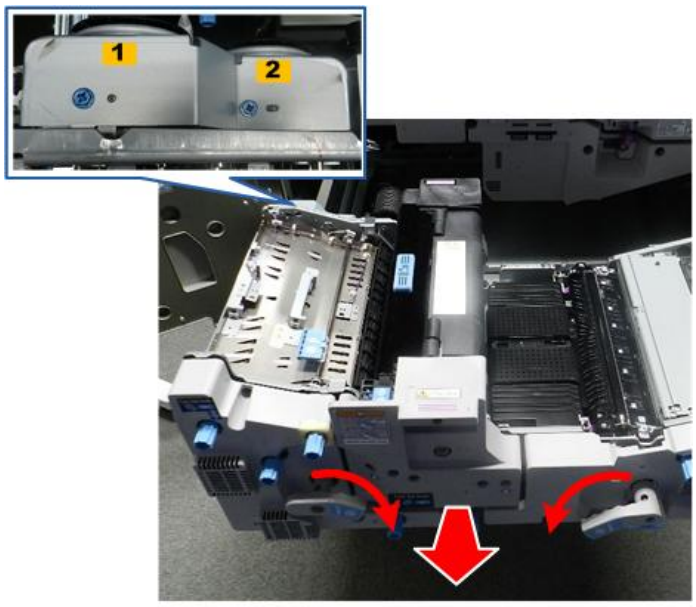
11. Disconnect the motor (x1).



d270b4033

Heat Pipe Motor

1. Turn the machine off and then wait at least 15 minutes for it to cool.
2. Open both front doors, and then pull out the drawer.
3. The exit motor [1] and the heat pipe roller motor [2] are on the rear left corner of the exit unit.



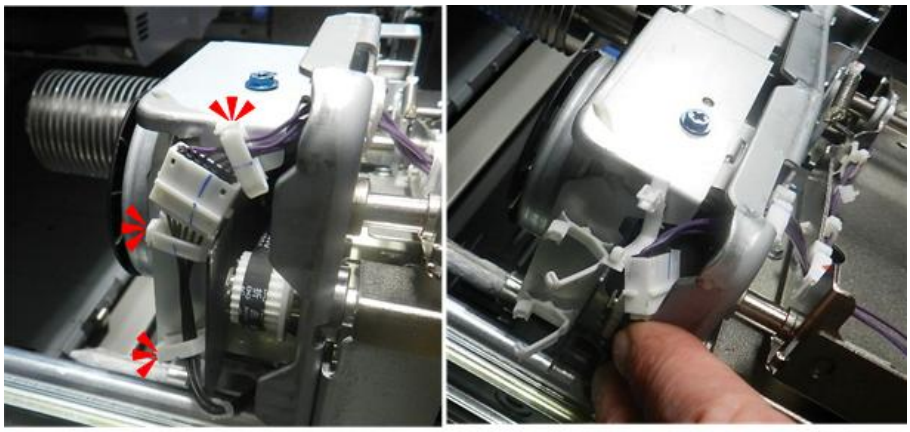
d270b4025

⚠CAUTION

- The heat sink on the end of the heat pipe becomes hot during machine operation and has sharp edges.
- Allow the machine to cool for several minutes before you remove the motor.
- Avoid touching the heat sink [1] with bare hands while you work.

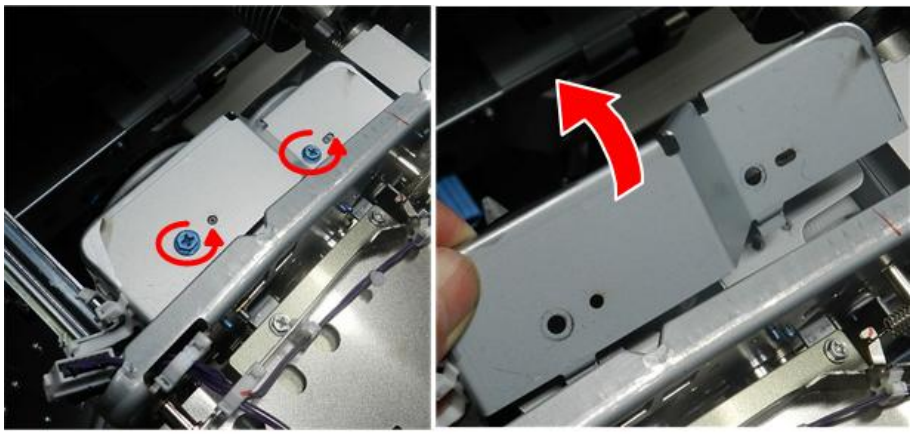
d270b4026

4. Free the harness at the corner (x3). You do not need to disconnect the harnesses.



D270b4027

5. Remove the cover plate (x2).

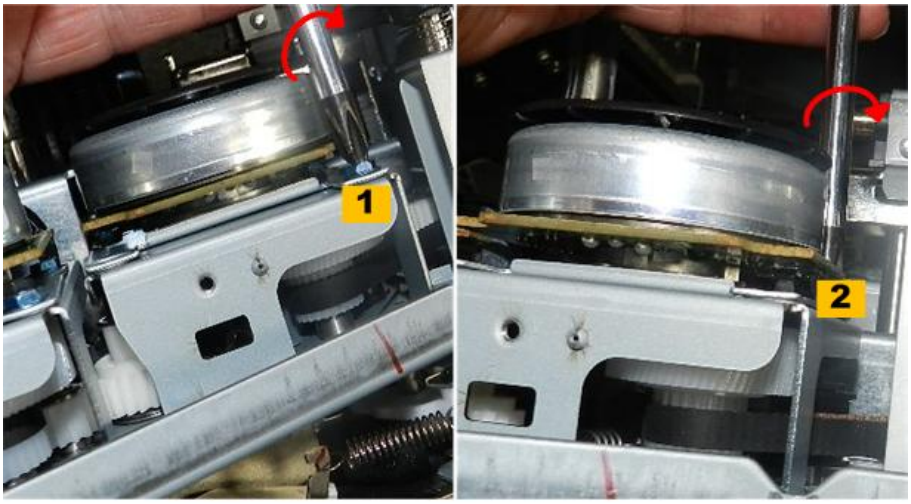


D270b4028

6. [1] is the exit motor, and [2] is the heat pipe roller motor.

d270b4029

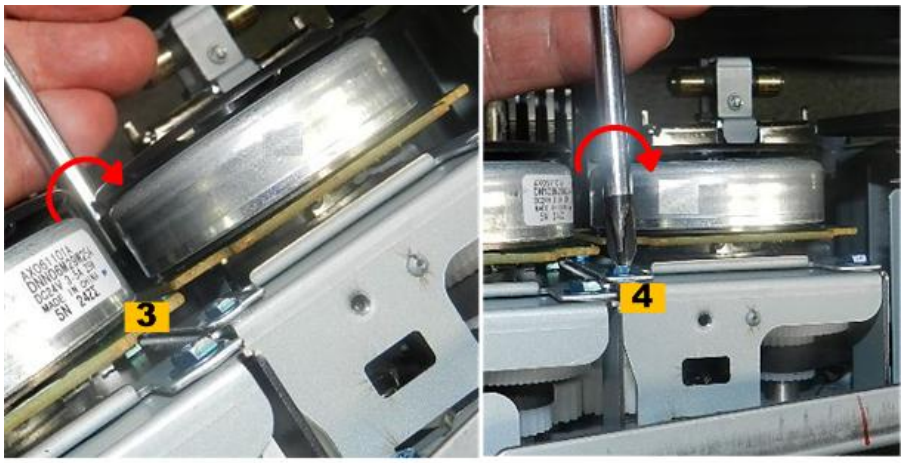
7. Use a short screwdriver to disconnect the top right corner [1] and bottom right corner [2] of the heat pipe motor



d270b4034

8. Disconnect the bottom left corner [3].
9. To prevent the motor from falling, hold the back of the motor with your other hand as you disconnect the top

left corner [4].

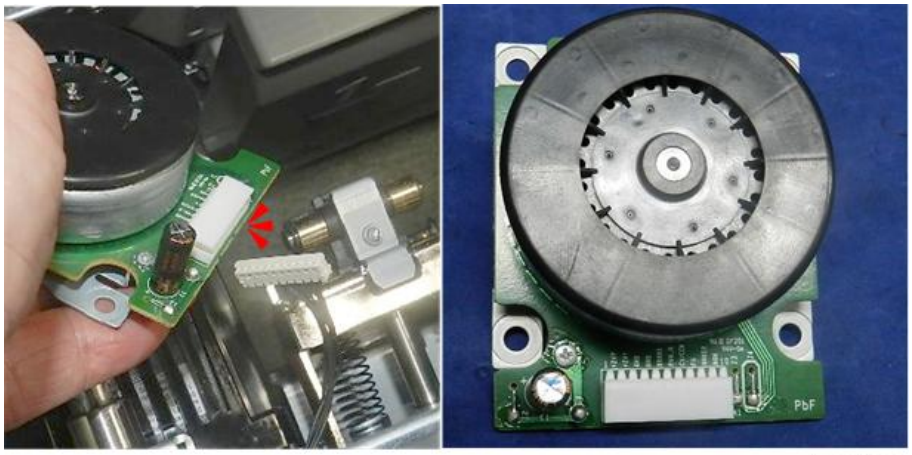


d270b4035

10. Pull the motor slightly away from the machine.

d270b4036

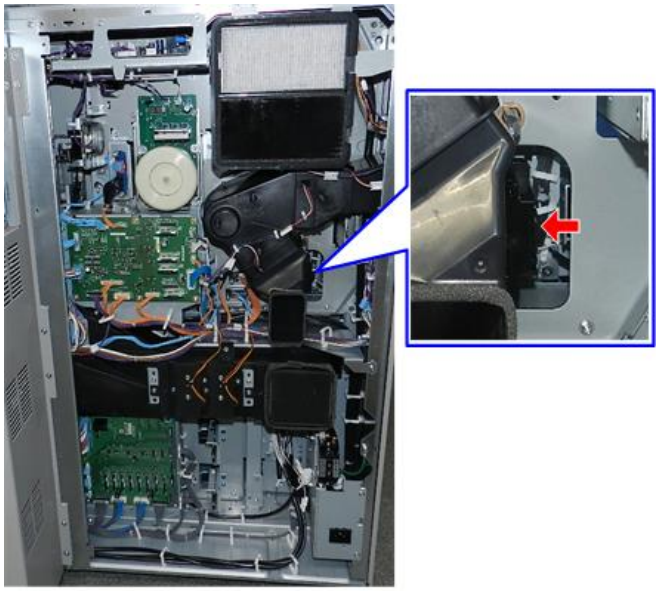
11. Disconnect the motor (x1).



d270b4037

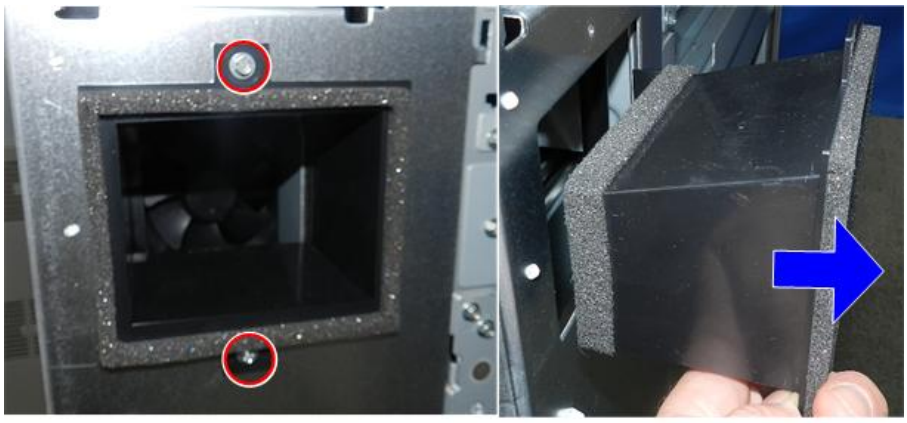
Exit/Invert Motor

1. Remove the rear cover. (Rear Cover)
2. Remove the left cover. (Left Cover)
3. With the rear cover removed, the motor is partially visible behind the heat pipe cooling fan duct.



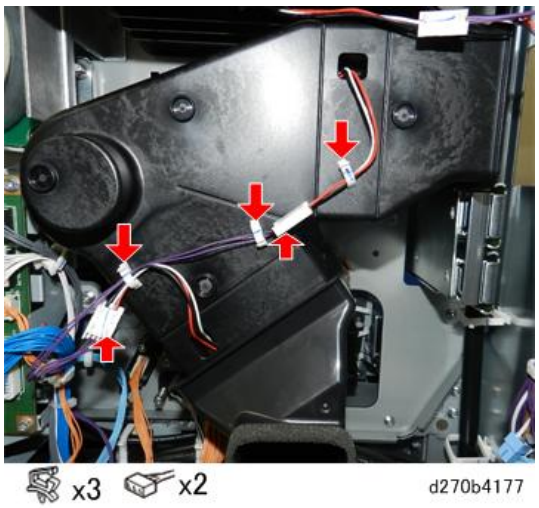
d270b4175

4. At the left rear edge, remove the duct (x2).

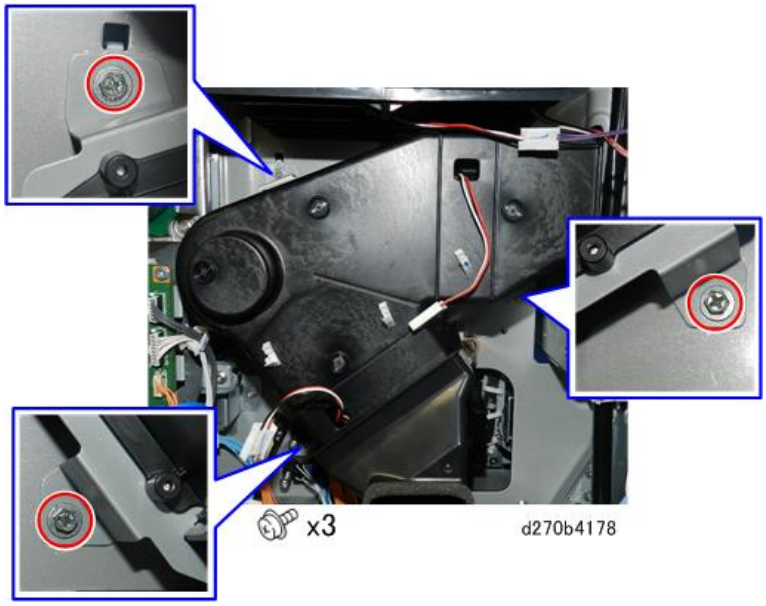


d270b4176

5. Disconnect the fan duct (x3, x2)

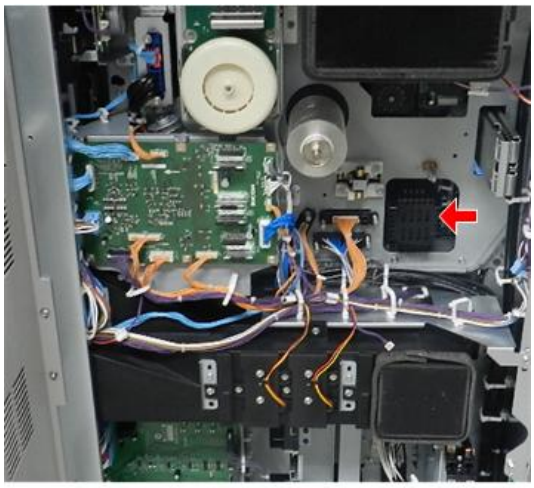


6. Disconnect the duct (x3).



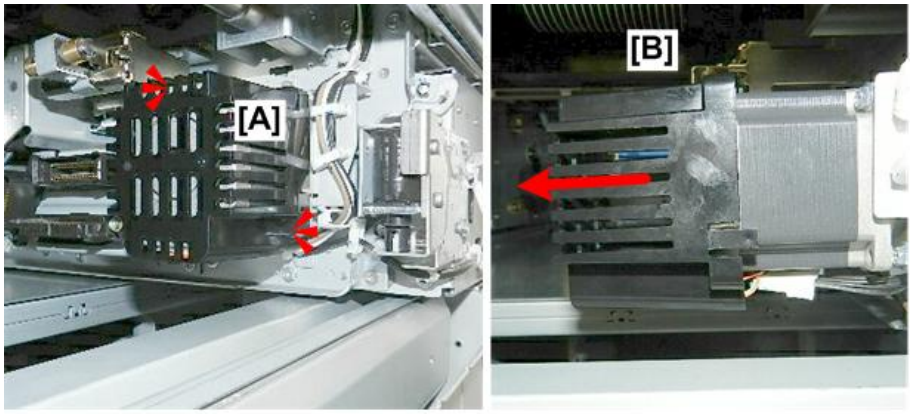
7. Remove the duct.

8. With the duct removed, you can see the motor.



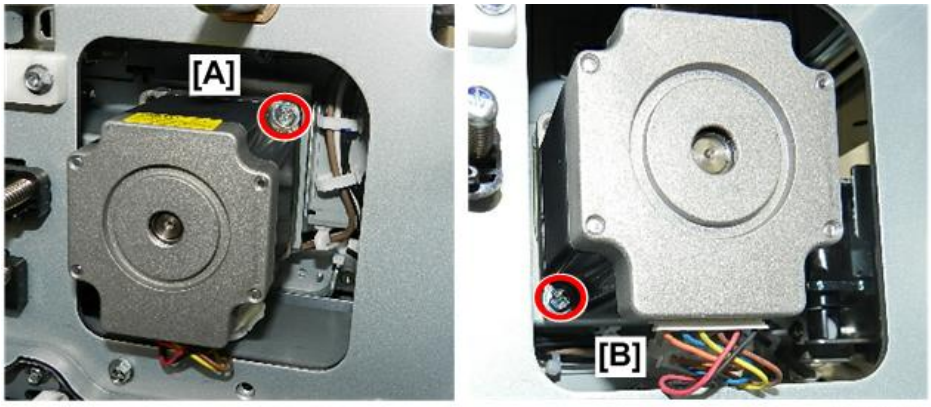
d270b4180

9. Open both front doors and pull the front drawer far enough so that you can see the plastic cage from the open left side of the machine.
10. Release the plastic tabs [A], and then remove the cage [B].



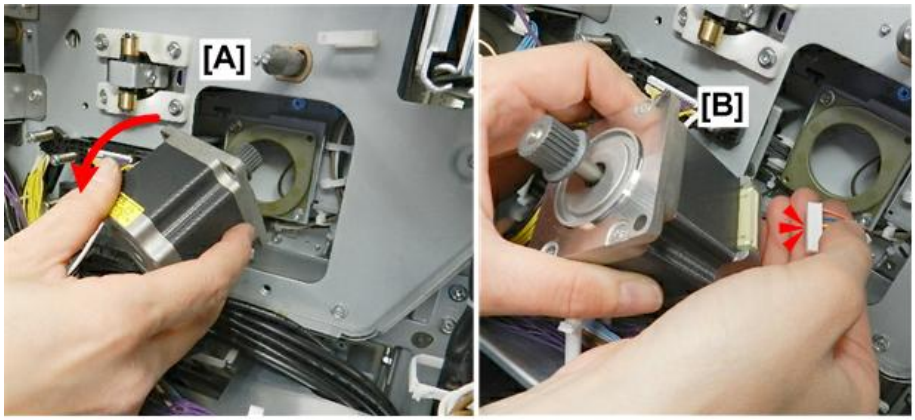
d1794176

11. Push in the front drawer completely so that you can see the motor at the rear.
12. Disconnect the motor:
    [A] Upper right (x1)
    [B] Lower left (x1)



d1794177

13. Pull the motor out [A] partially, and then disconnect it [B] (x1).



d1794178

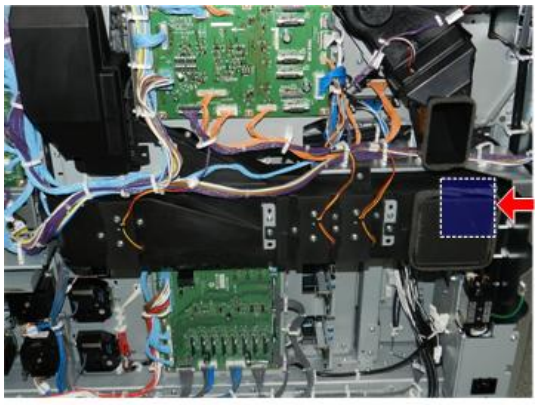
14. Remove the motor.

d1794179

Duplex/Invert Motor

Horizontal Duct

1. The duplex invert motor is behind the large horizontal duct.



d270b4181

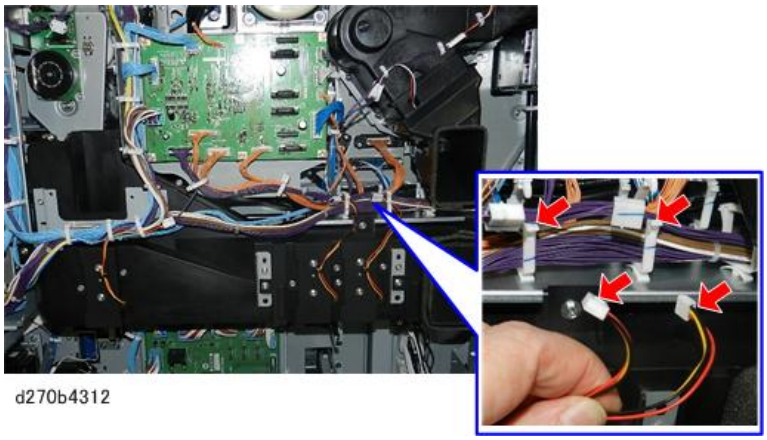
2. Open the controller box. (Opening the Controller Box)

d270b2226

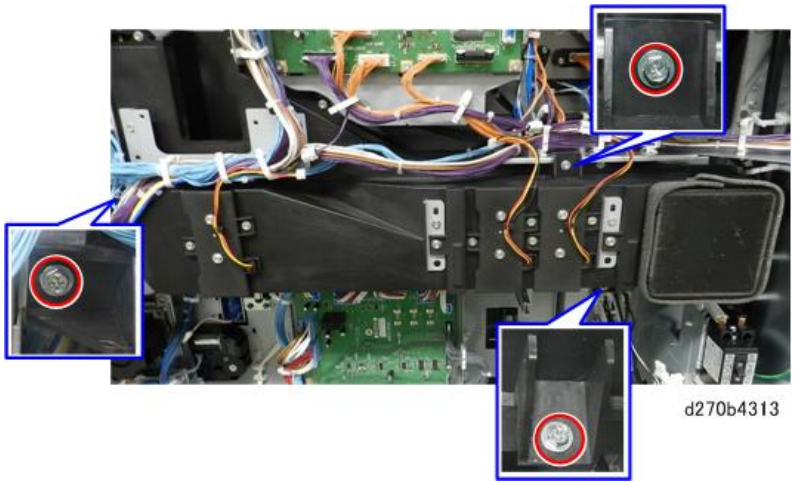
3. Remove the rear cover. (Rear Cover)
4. Remove the vertical stay (x3).

d270b4238

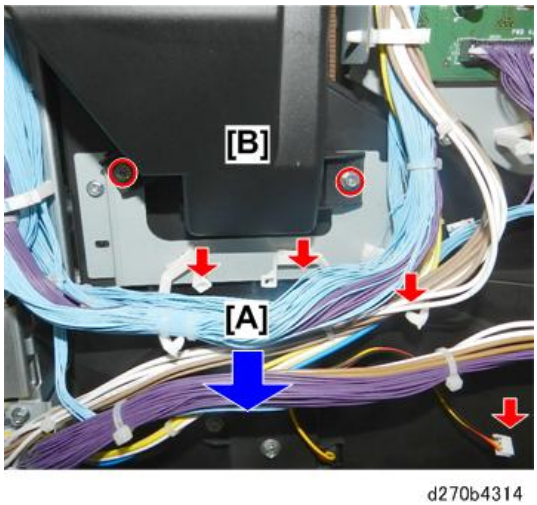
5. Disconnect the horizontal duct fans (x2, x2).



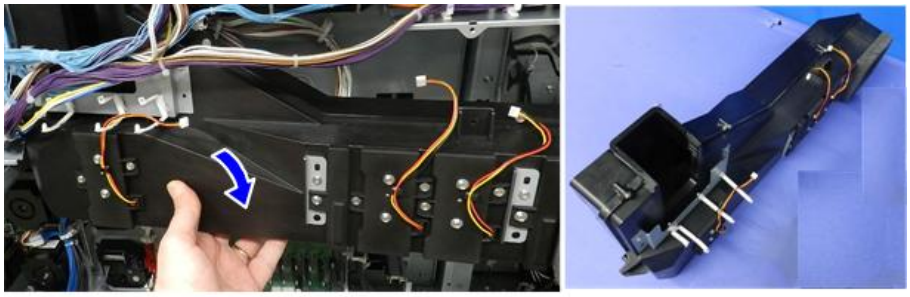
6. Disconnect the horizontal duct (x3).



7. Open the clamps and then disconnect the horizontal duct [A] from the vertical duct [B] (x3, x1, x2).



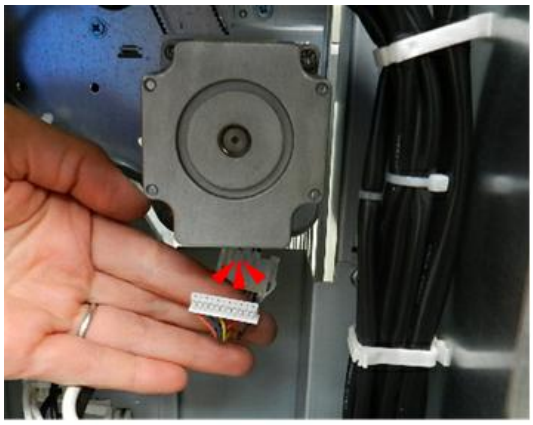
8. Remove the horizontal duct.



d270b4315

Duplex/Invert Motor

1. Disconnect the motor (x1).

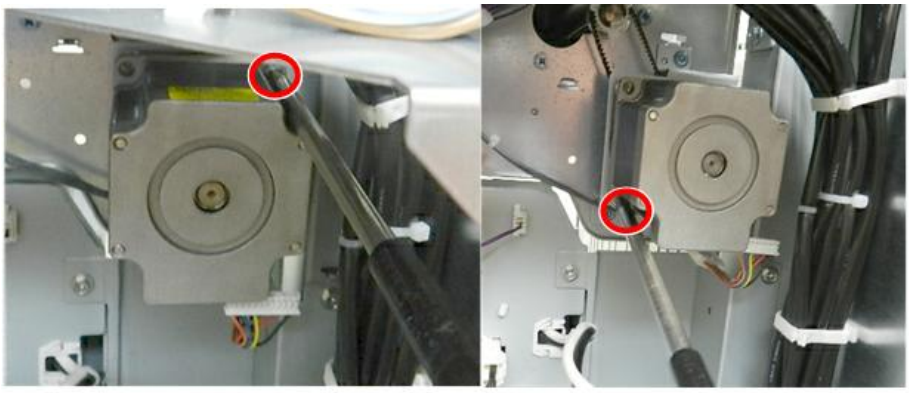


d1794181

2. Disconnect the motor:

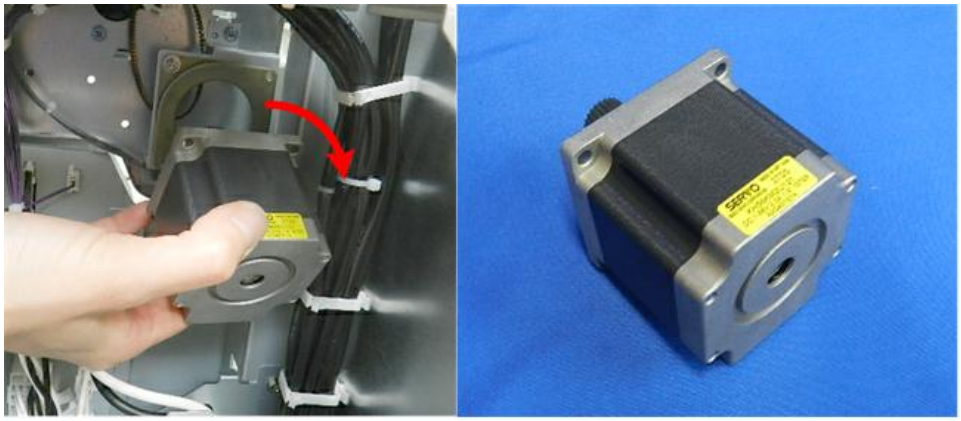
   [A] Upper right (x1)

   [B] Lower left (x1)



d1794182

3. Remove the motor.



d1794183

Used Toner Path

Used Toner Path, Used Toner Transport Motor

If a blockage occurs in either the upper or lower used toner path, the machine will issue SC488.

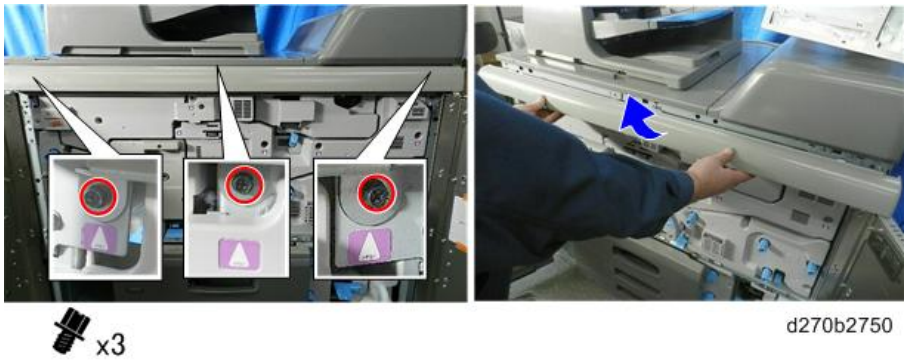
- In this case, the mechanism must be disassembled to determine if the upper duct or lower pipe is jammed with clumped toner.
- The jammed duct or pipe must be replaced.

1. Open the controller box. (Opening the Controller Box)

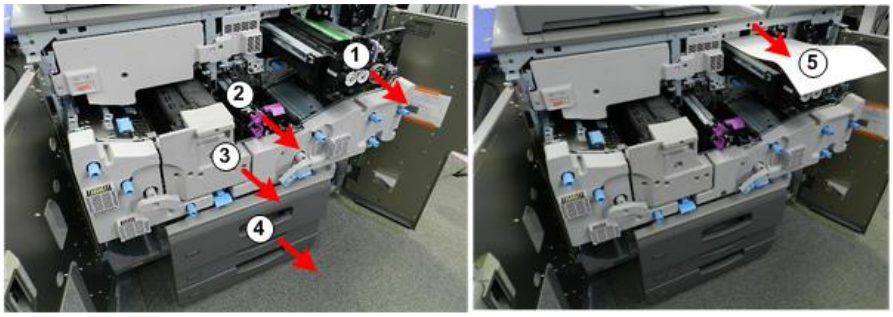
d270b2226

2. Remove the rear cover (x7).

3. Remove the front edge cover.



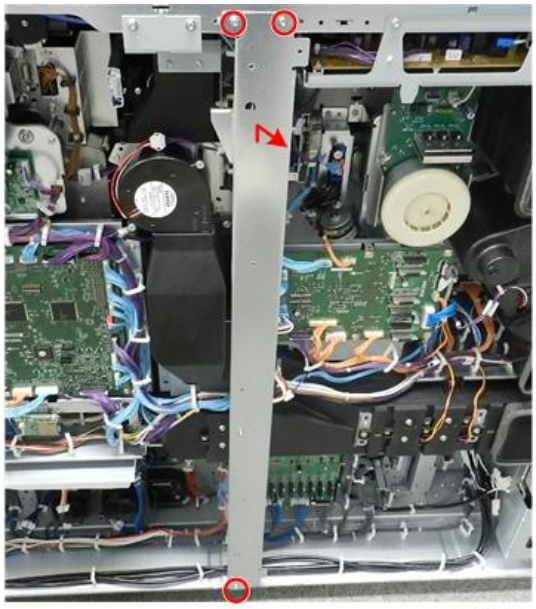
4. Pull these units out partially, to release pressure on the couplings of the motors that must be removed and re-installed during these procedures:
   ① PCDU
   ② ITB cleaning unit
   ③ Drawer
   ④ Paper trays
   Be sure to cover the drum ⑤ to protect it from light.



d1794001

Vertical Duct

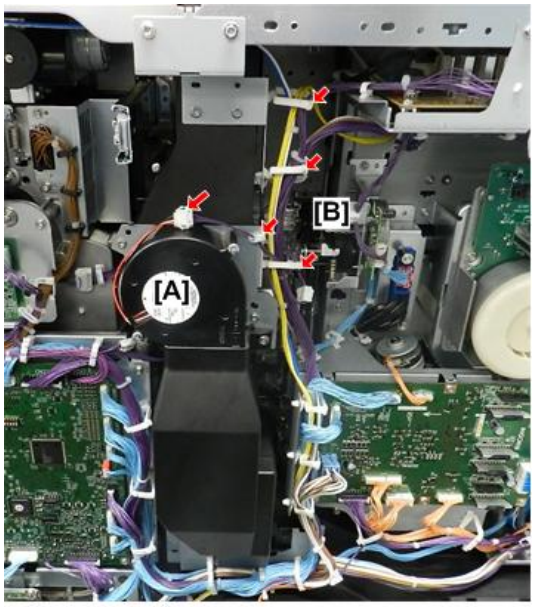
1. Remove the vertical stay (x3).



d270b4238

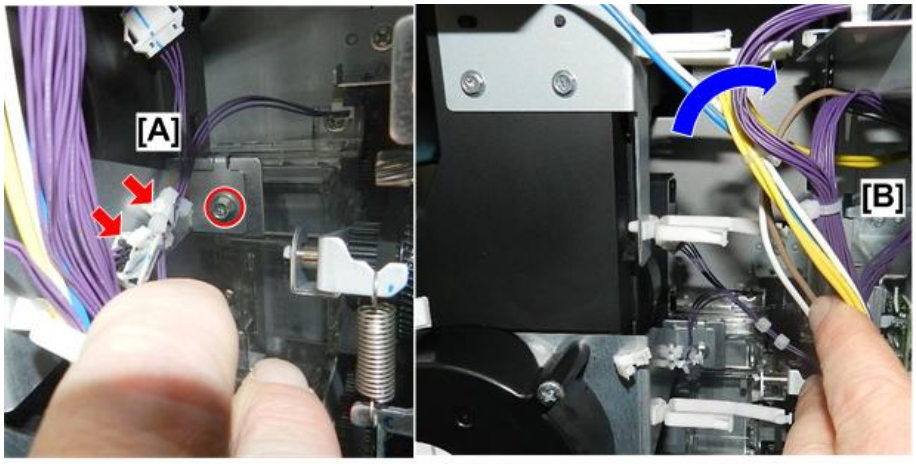
2. Disconnect the motor harness [A] (x1, x1).

3. Open the clamps [B] (x3).



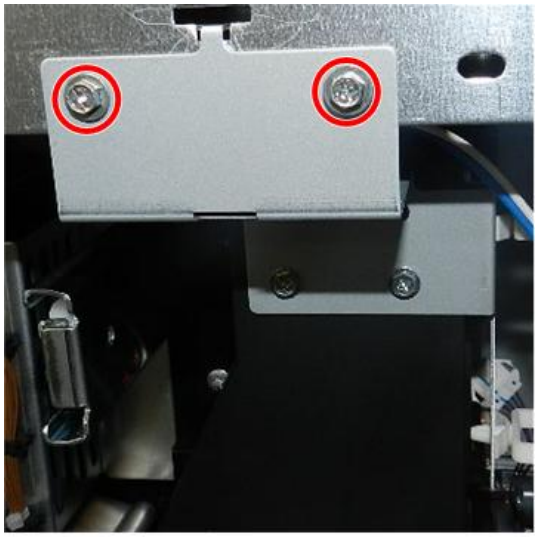
d270b4239

4. Inside the machine, disconnect and free the harness, and then disconnect the motor bracket [A] (x1, x1, x1).
5. Carefully, pull the harnesses [B] away from the side of the duct.



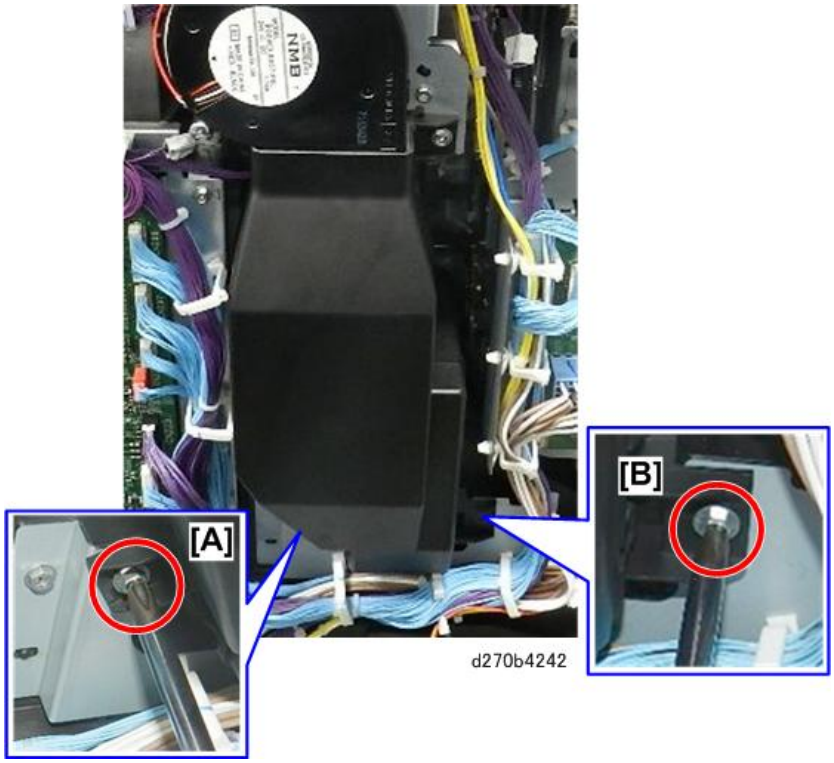
d270b4240

6. Disconnect the top of the duct bracket x2).



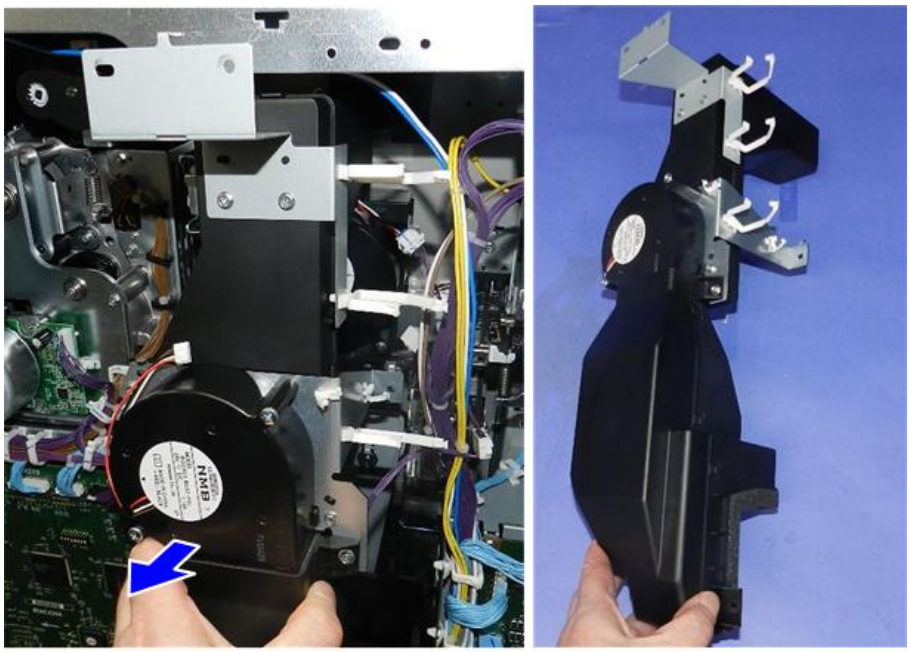
d270b4241

7. Disconnect the bottom of the duct at the left corner [A] and the right corner [B] x2).



d270b4242

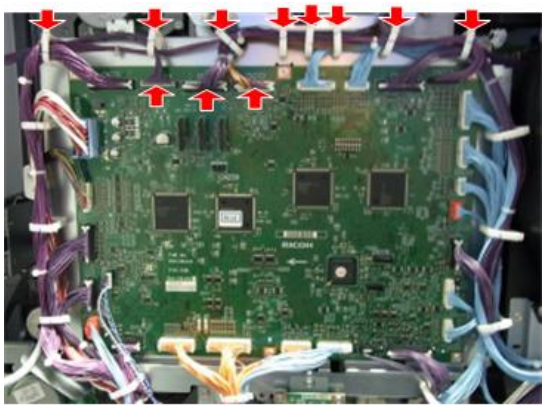
8. Remove the vertical duct.



d270b4243

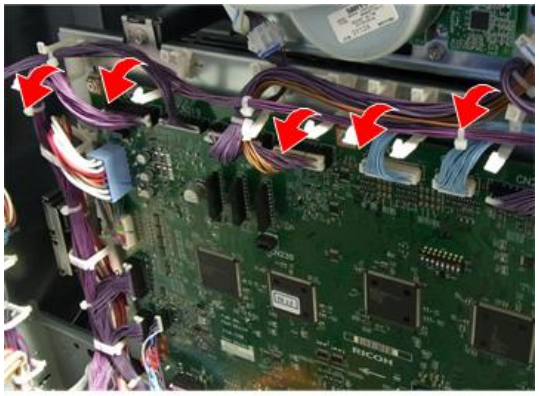
Lower the IOB Bracket

1. Disconnect the top of the IOB (x8, x3).



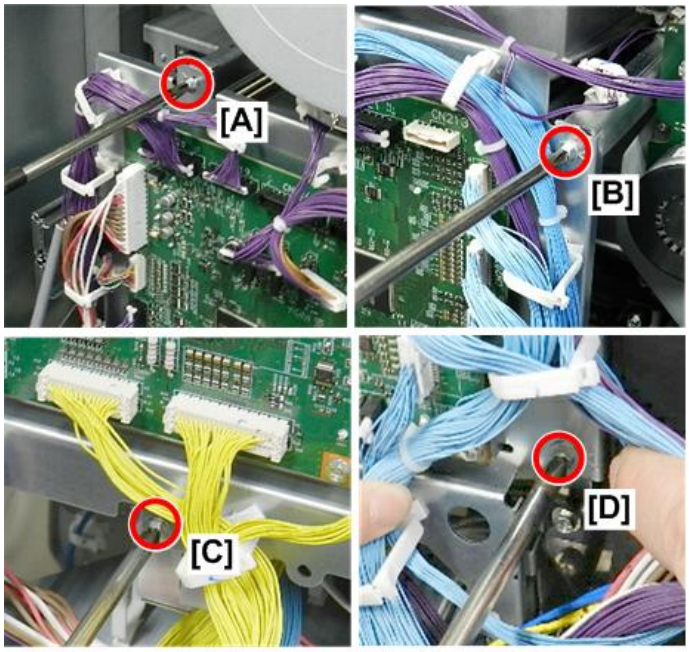
d270b3009

2. Free the harnesses along the top edge of the board.



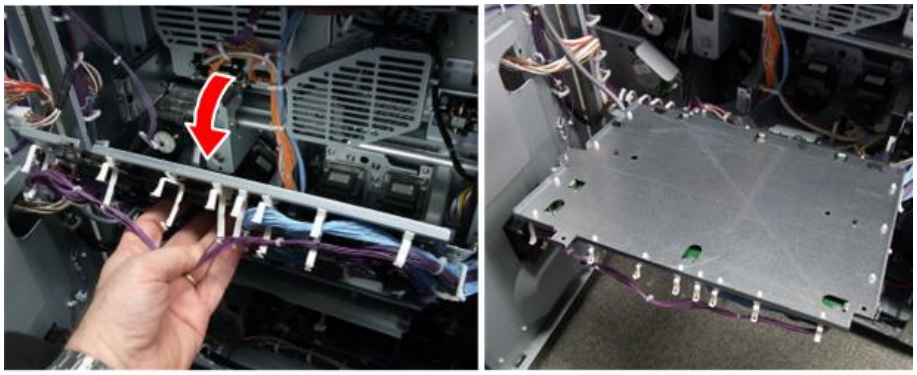
d270b3010

3. Disconnect the IOB:
   [A] Upper left (x1)
   [B] Upper right (x1)
   [C] Lower left (x1)
   [D] Lower right (x1)



d1794008

4. Lower the IOB bracket (with PCB attached) until it stops.

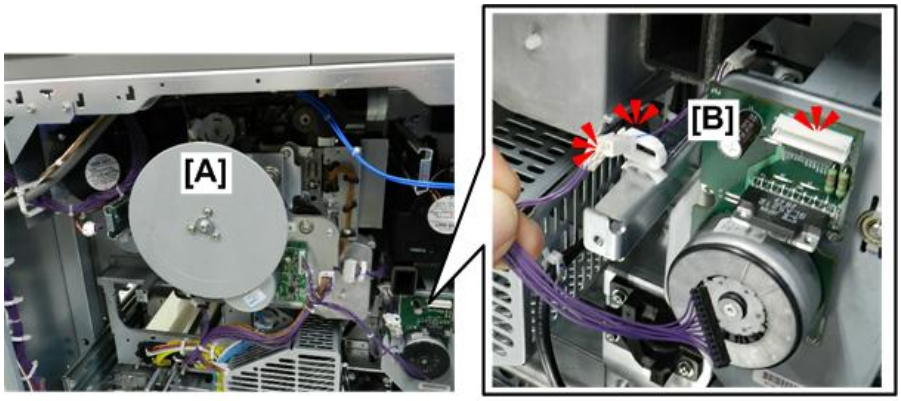


d270b3011

Main Motor Unit

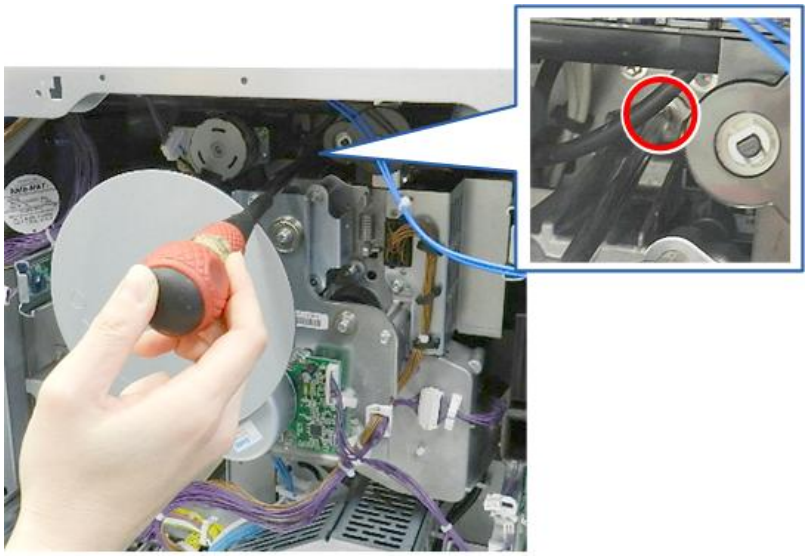
1. Next, remove the main motor unit [A] with drum, drum cleaning, and development motors attached.

2. Disconnect at [B] (x1, x2).



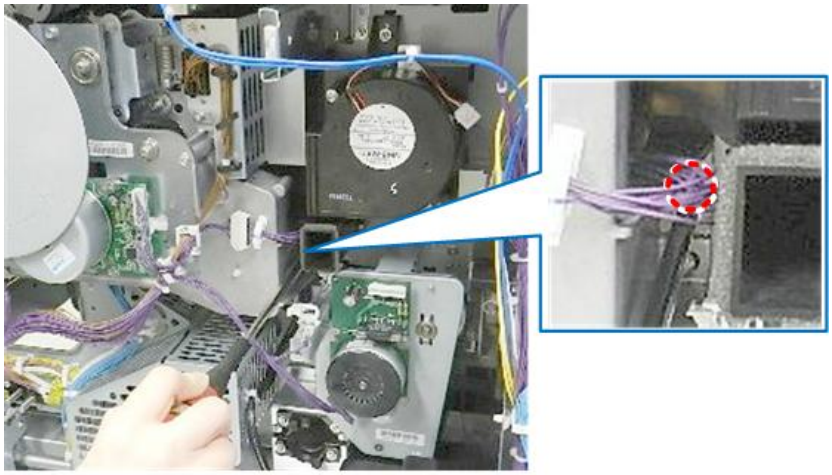
d1794010

3. Upper right (x1).



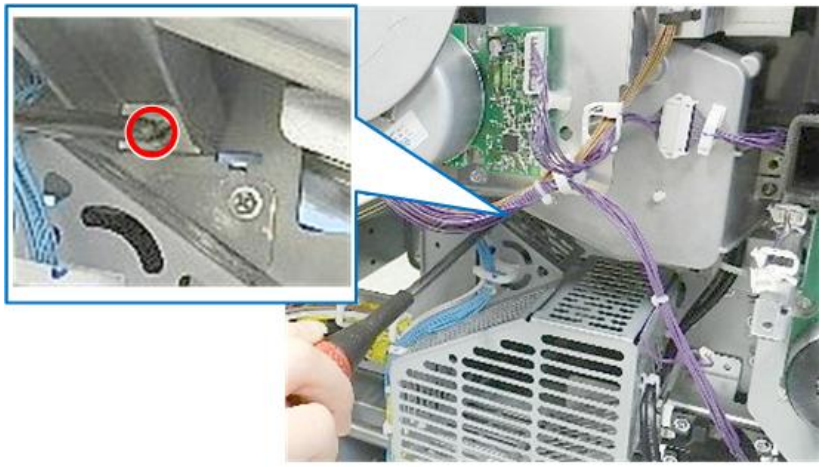
d1794011

4. Lower right (x1).



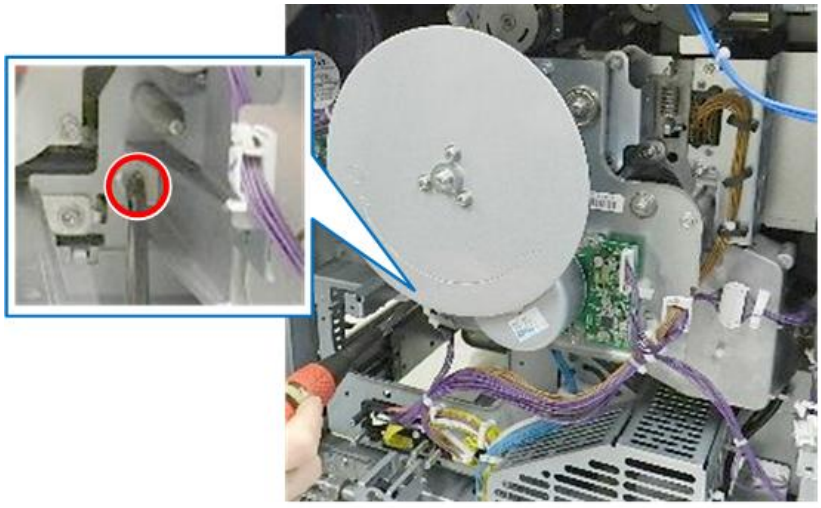
d1794012

5. Bottom (x1).



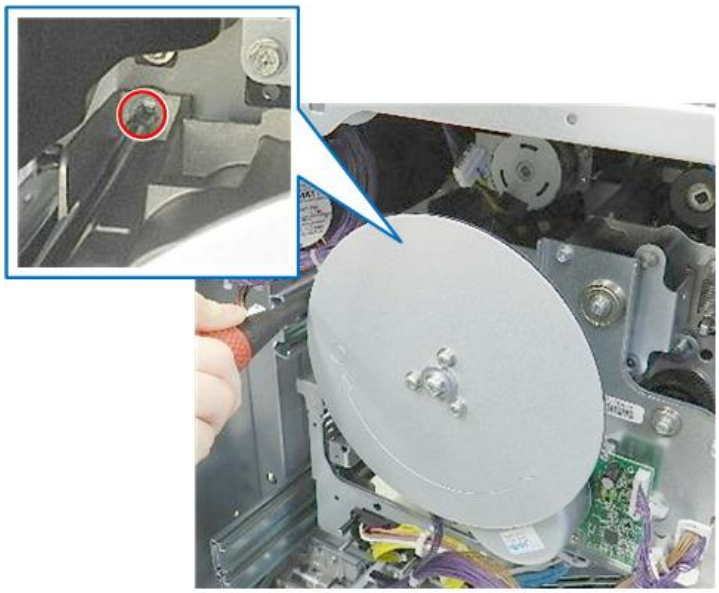
d1794013

6. Bottom left (x1).



d1794014

7. Left (x1).

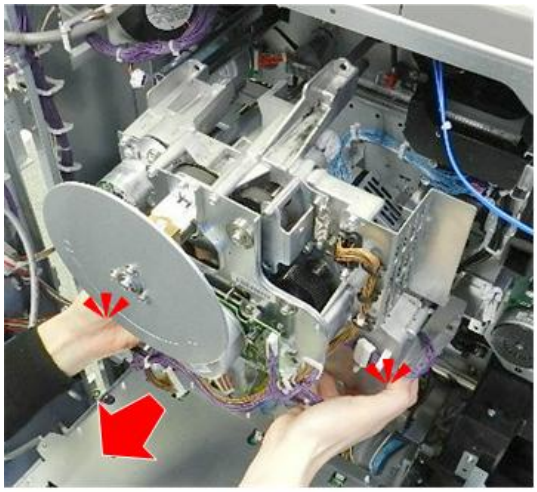


d1794015

Important

- Check the front of the machine and confirm that the PCDU is pulled partially out of the machine.

8. Remove the main motor unit.

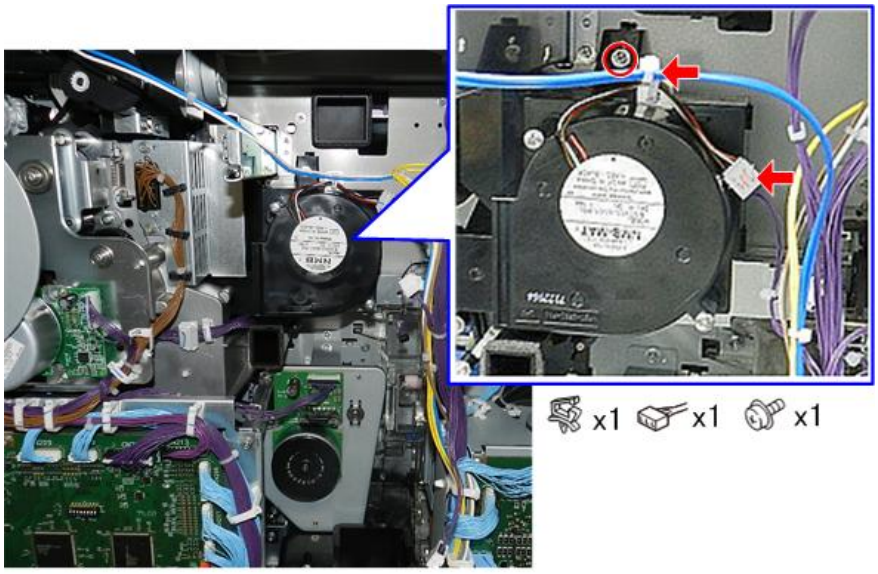


d1794016

Developer Unit Rear Fan, Small Horizontal Duct

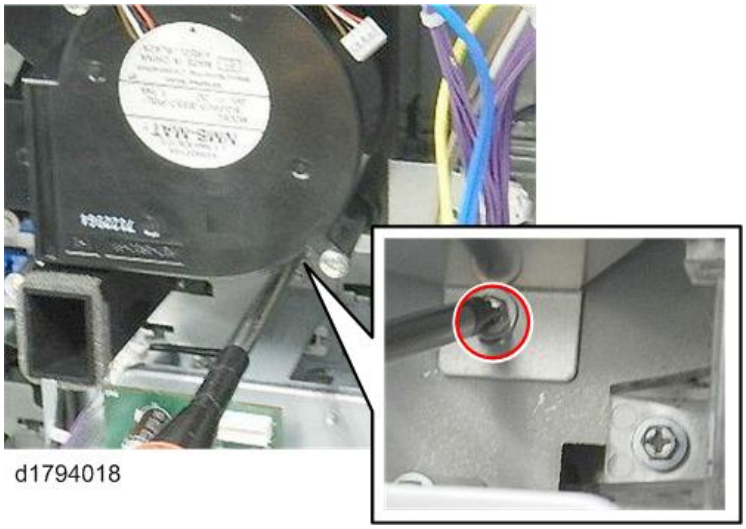
1. The fan is attached to the end of the small horizontal duct near the center of the machine.

2. Disconnect the fan (x1.x1,x1)



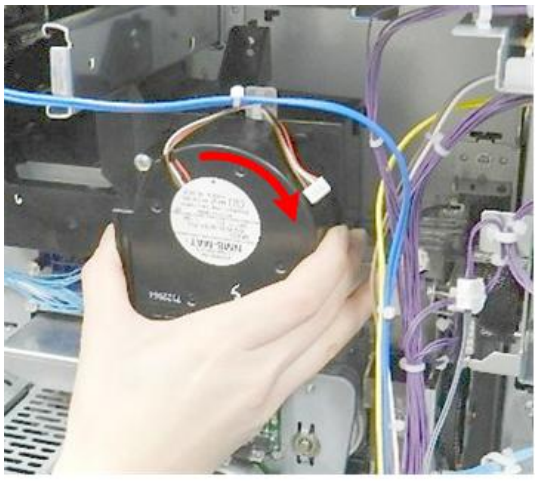
d270b4017

3. Lower right (x1).



d1794018

4. Remove the fan.



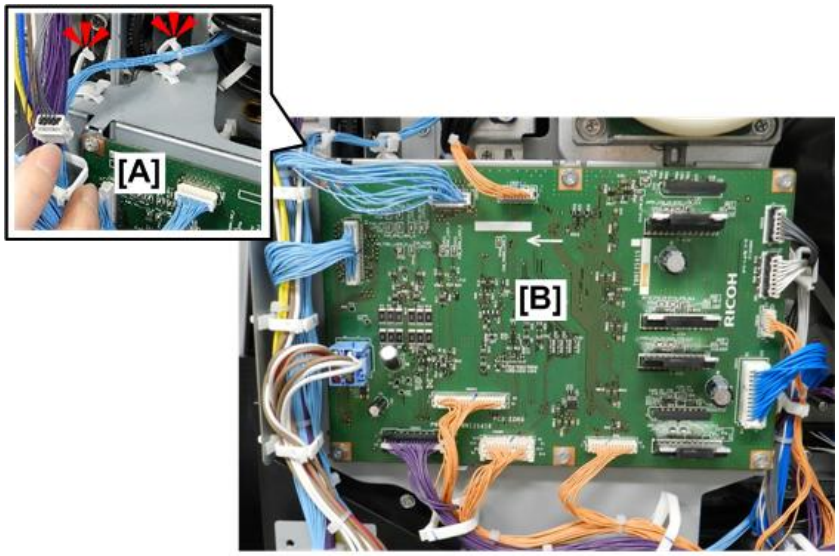
d1794019

5. Next, disconnect the duct where you just removed the fan (x3).

6. Remove the duct.

Remove the EDRB Bracket

1. At the upper right corner [A] of the EDRB [B], free the harness [x2].

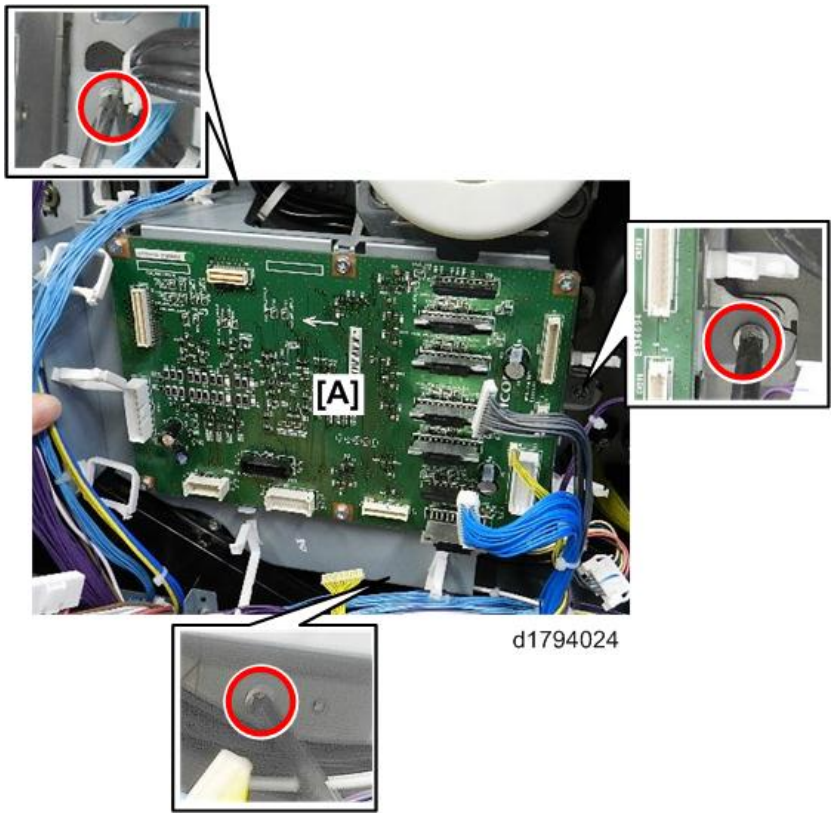


d270b5022

2. Disconnect the EDRB (x7, x12).

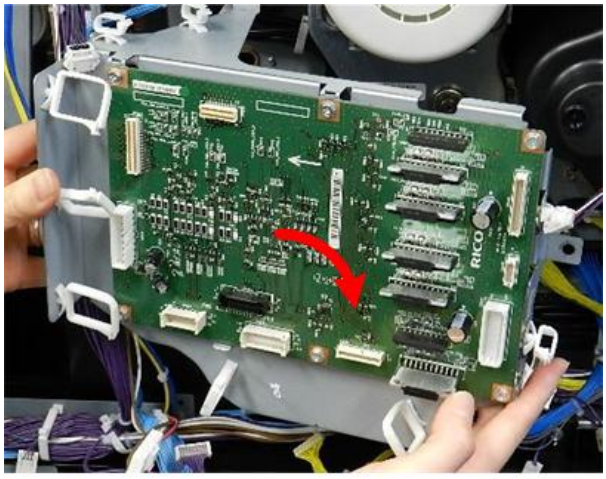
d270b5023

3. Disconnect the EDRB bracket [A] (x3).



d1794024

4. Remove the EDRB bracket (with PCB attached).

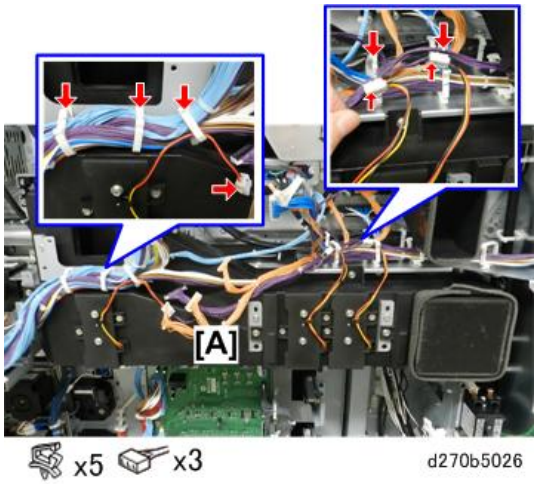


d1794025

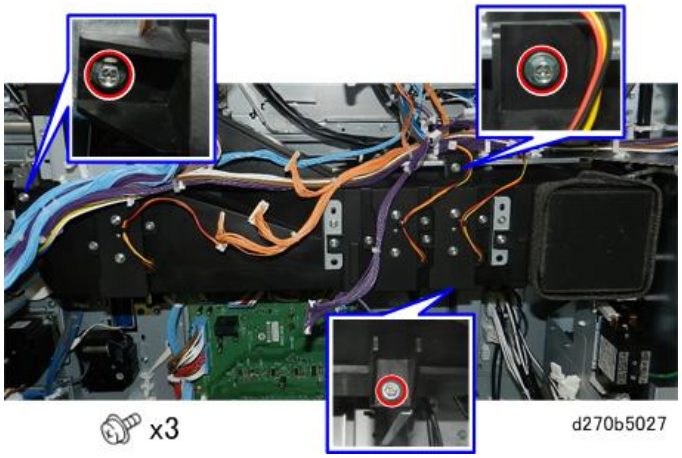
Horizontal Duct

1. Next, remove the horizontal duct [A].

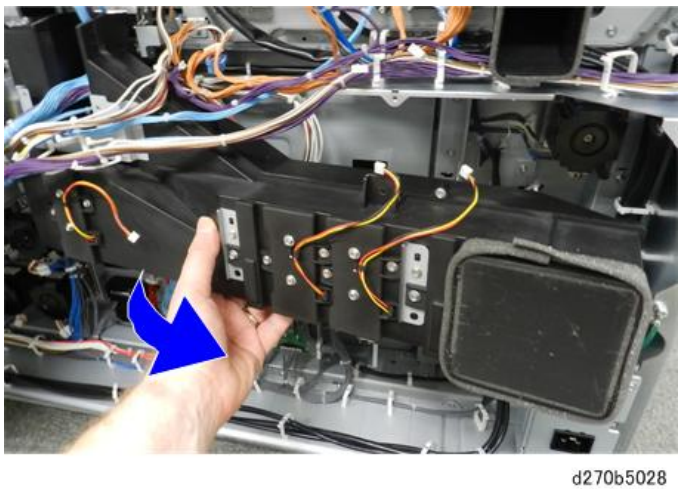
2. Free the top of the duct (x5, x3).



3. Disconnect the duct (x3).

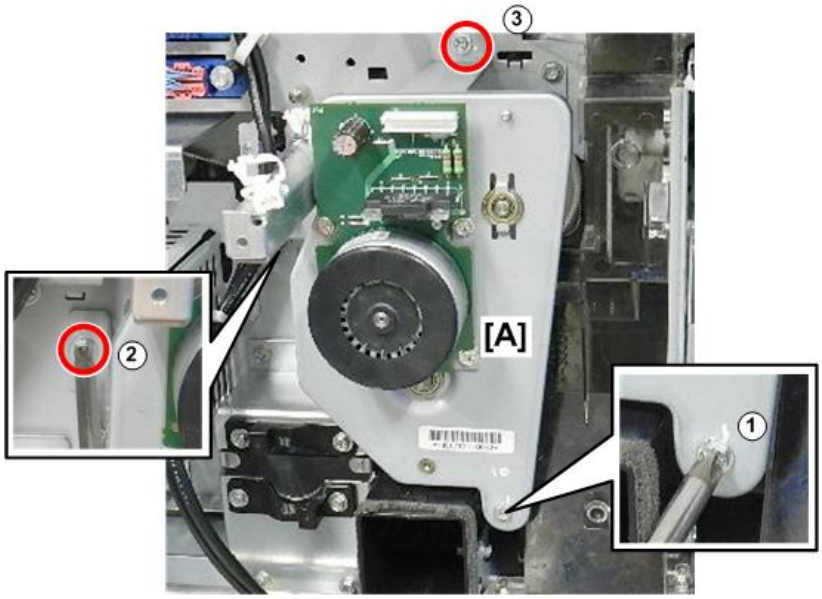


4. Remove the duct.



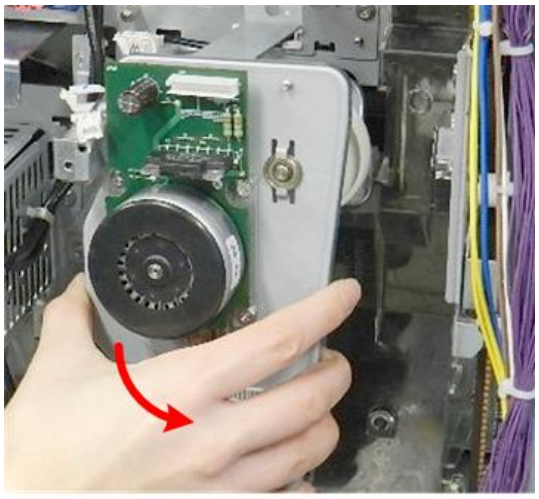
ITB/PTR Motor

1. Next, remove the ITB/PTR motor bracket [A] (x3).
   - ① is a small screw.
   - ② and ③ are larger and the same size.



d1794031

2. Remove the bracket (with motor attached).



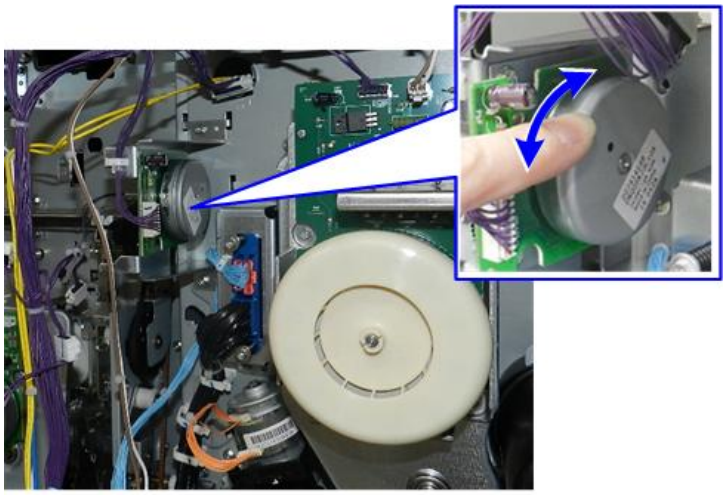
d1794032

Used Toner Transport Motor

Important

- This motor transports used toner. If the motor does not rotate, the motor is defective, or the harness is broken or defective.

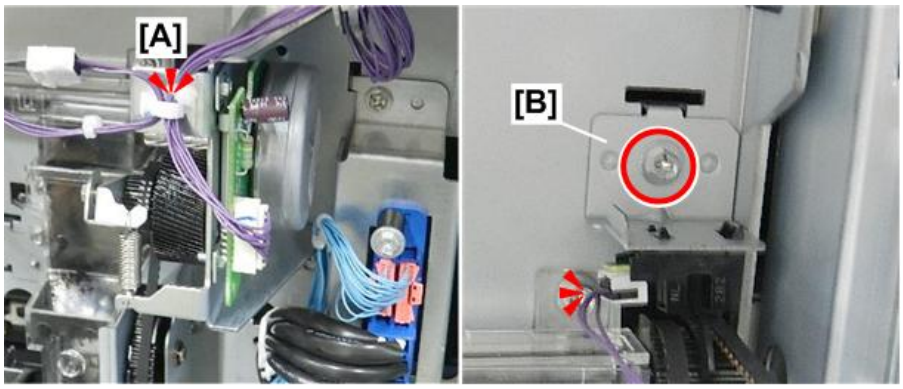
1. At the top, rotate the used toner transport motor.



d270b5033

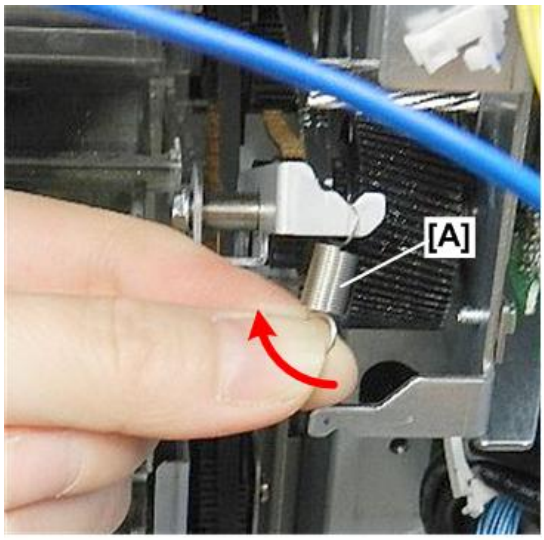
- If the motor does not turn easily, this means there is a block in the upper used toner path, lower used toner path, or both.
- The motor drives the belts for both paths, so you will not be able to determine which path is blocked until they are disconnected from the belts.

2. Free the harness [A] (x1).
3. Disconnect the used toner transport sensor bracket [B] (x1).



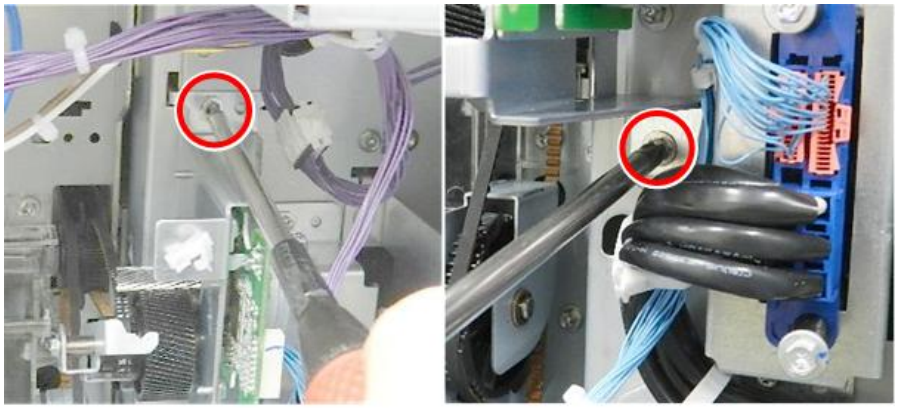
d1794034

4. Remove the spring [A] from the used toner transport motor bracket (x1).



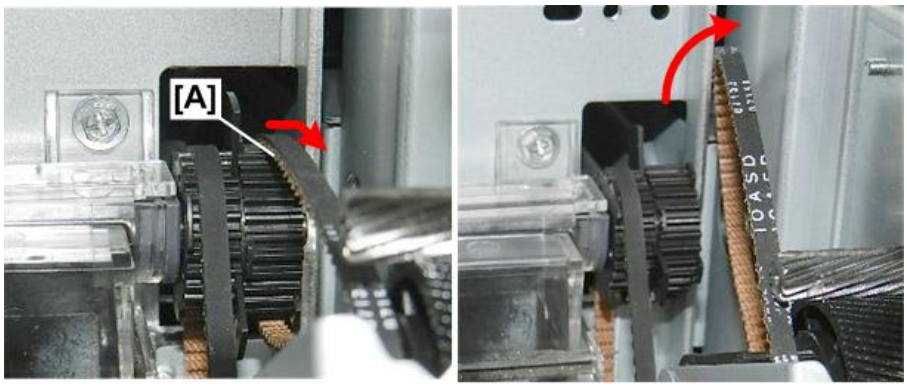
d1794035

5. Unfasten the used toner transport motor bracket (x2).



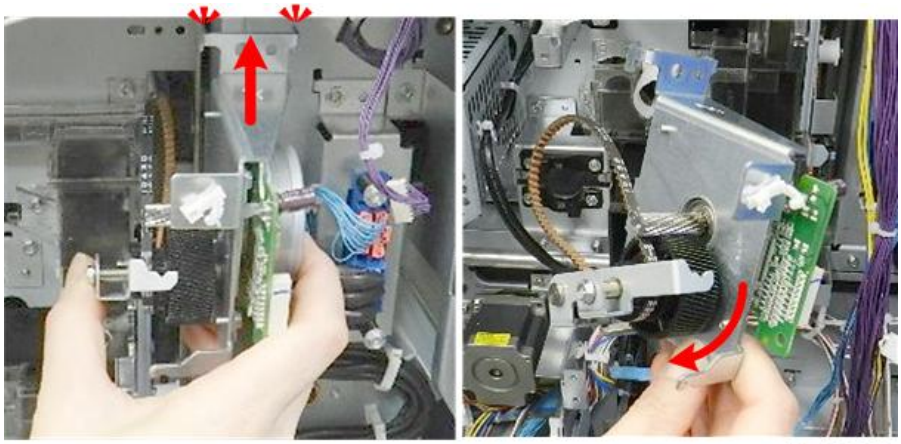
d1794036

6. Disconnect the belt [A] (x1).]



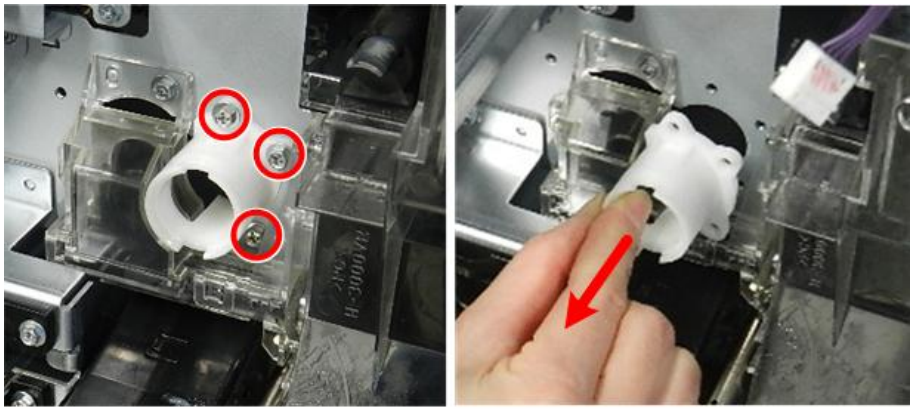
d1794037

7. Lift the motor bracket off its hooks, then remove it (with motor attached).



d1794038

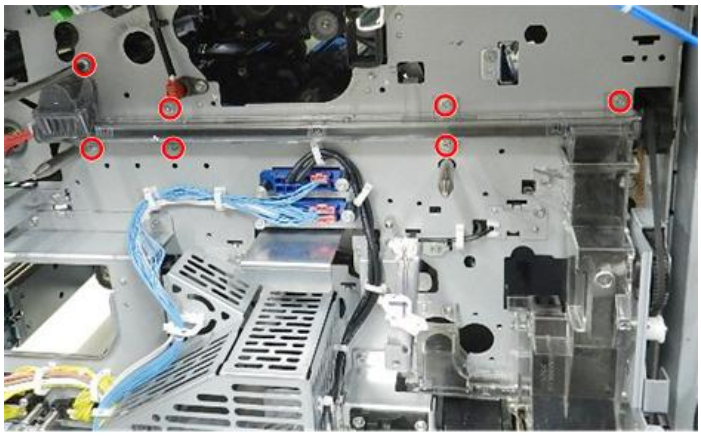
8. Remove the white collar (x3).



d1794039

Used Toner Path Upper Duct

1. Disconnect the upper used toner duct (x7).

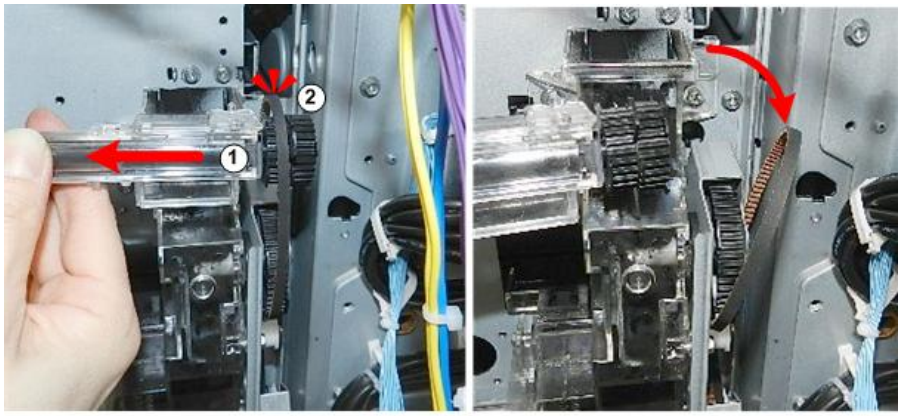


d1794040

2. Pull the duct out slightly.

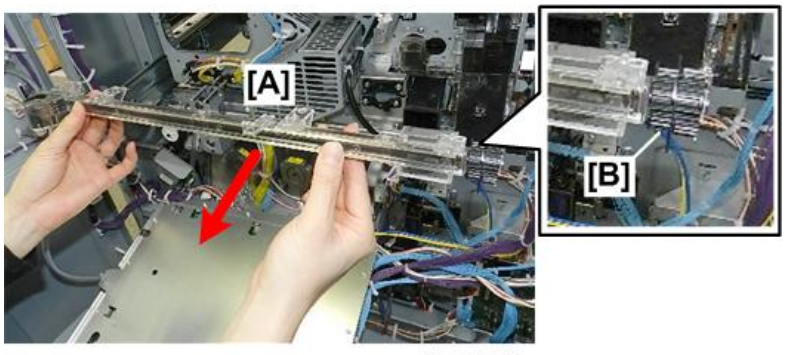
d1794041

3. Pull the duct slightly to the left ① to disconnect it from the belt ②.



d1794042

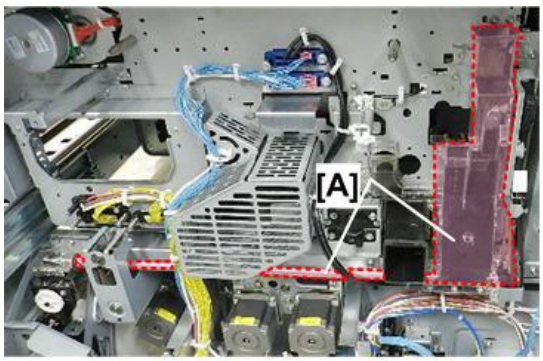
4. Remove the upper duct [A].
5. Turn the gear [B] on the end of the duct. If the gear does not turn easily, the duct is jammed or defective and must be replaced.



d1794043

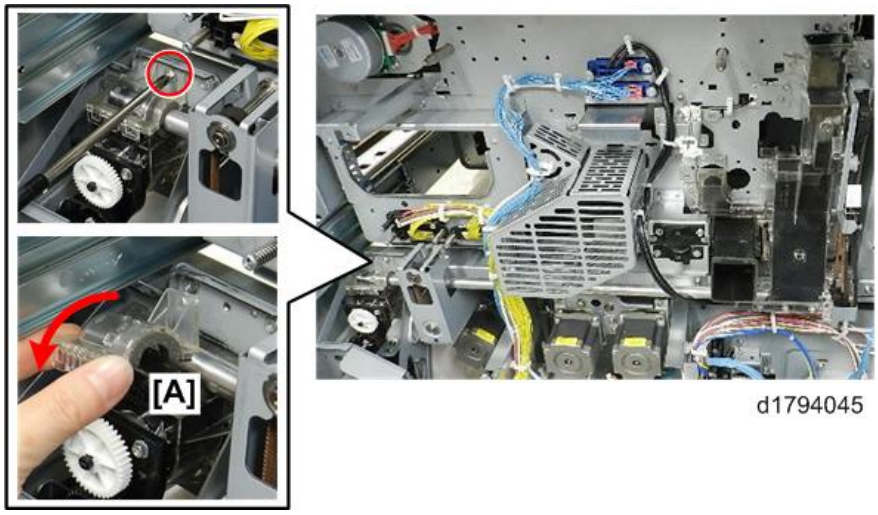
Used Toner Path Vertical Duct, Horizontal Pipe

1. Next, the vertical duct and lower duct [A] of the used toner path must be removed.



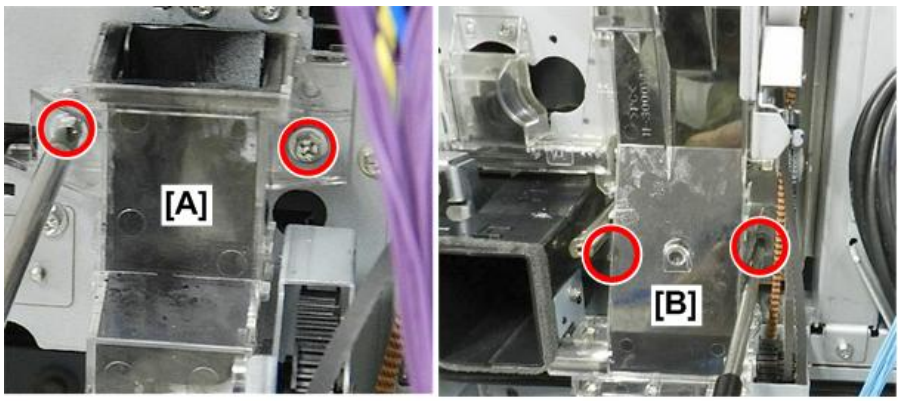
d1794044

2. Remove the cap [A] (x1). This disconnects the left end of the pipe.



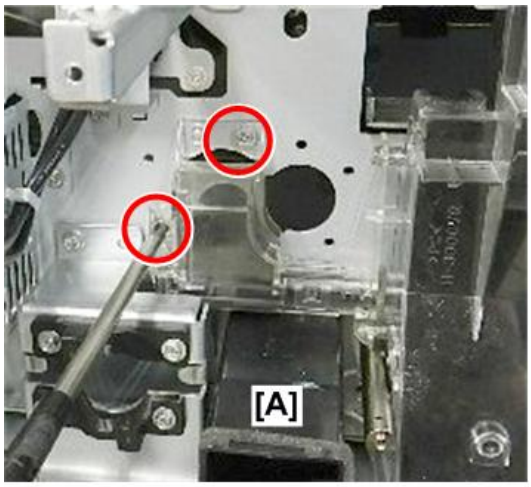
d1794045

3. On the right, disconnect the top of the vertical duct [A] (x2).
4. Disconnect bottom [B] of the vertical duct [A] (x2)



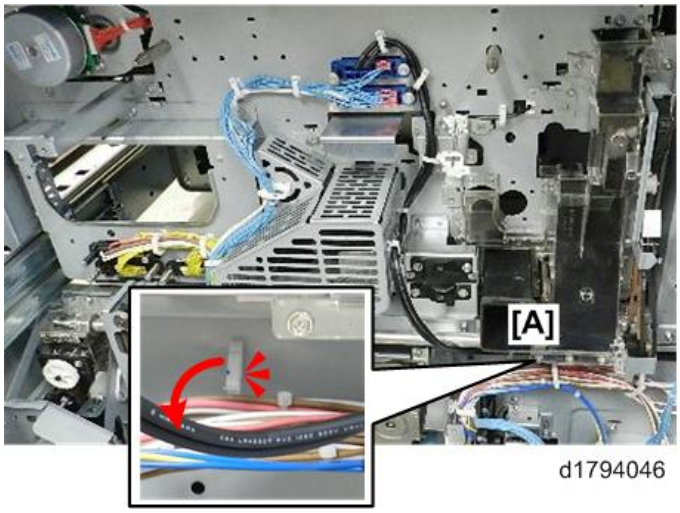
d1794064

5. To the left, unfasten above the open air duct [A] (x2).



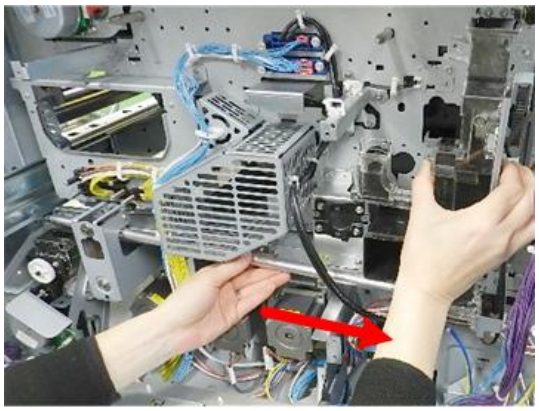
d1794065

6. Free the black harness at [A] (x1). (This will make removal easier.)



d1794046

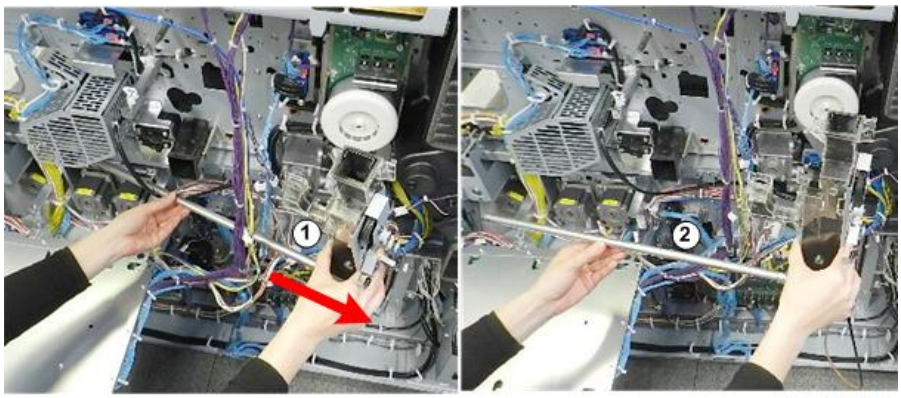
7. Slide the pipe and the vertical duct to the right.



d1794047

8. Continue to move it to the right ① as you separate it from the harnesses until it is free ②.
9. Turn the gear on the right end of the pipe. If the gear does not rotate freely, the pipe is jammed or defective

and must be replaced.



d1794048

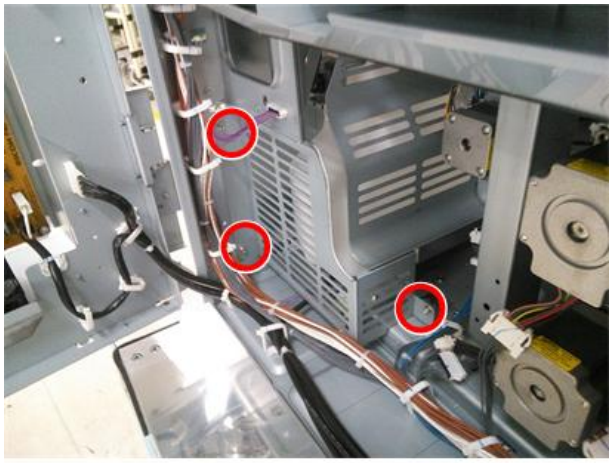
Used Toner Bottle Unit

Used Toner Bottle Unit Removal

1. Open the controller box door. (Opening the Controller Box)
2. Remove the rear cover. (Rear Cover)
3. Remove the right cover. (Right Cover)
4. Spread some paper to prepare a place to lay the used toner bottle unit (the paper will catch loose toner)
5. Open the right front door, and then remove the toner bottle.

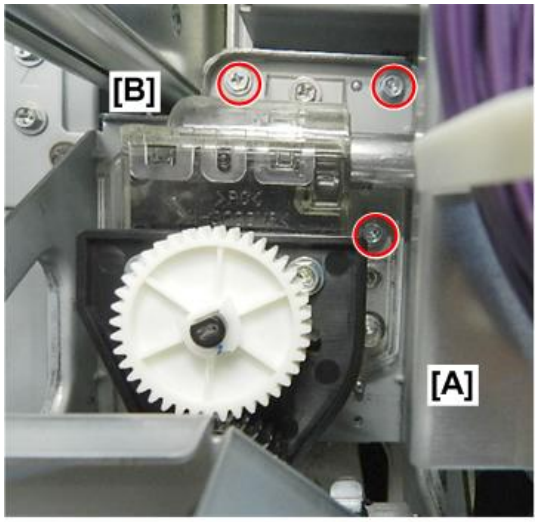
d1794049

6. Disconnect the corner of the ventilation grate (x3).



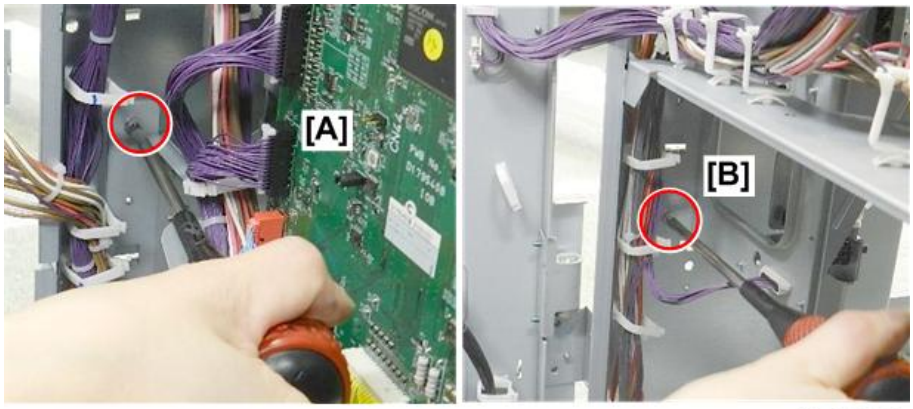
d1794068

7. Down and to the left of the IOB [A], remove screws [B] (x3).



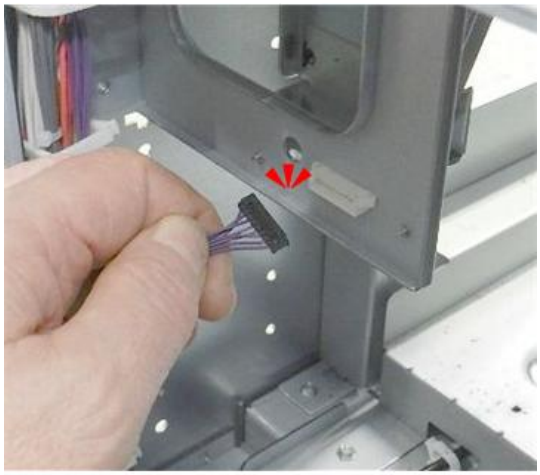
d1794053

8. Down and to the left of IOB [A], disconnect the used toner bottle transport unit [B] (x2).



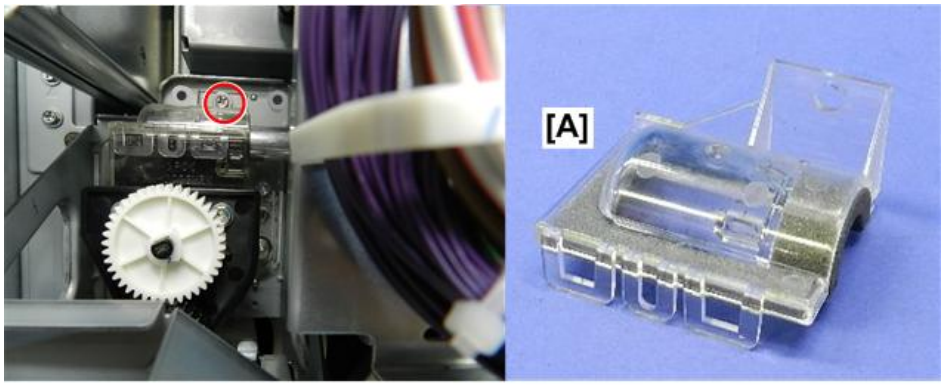
d1794054

9. Disconnect the unit (x1).



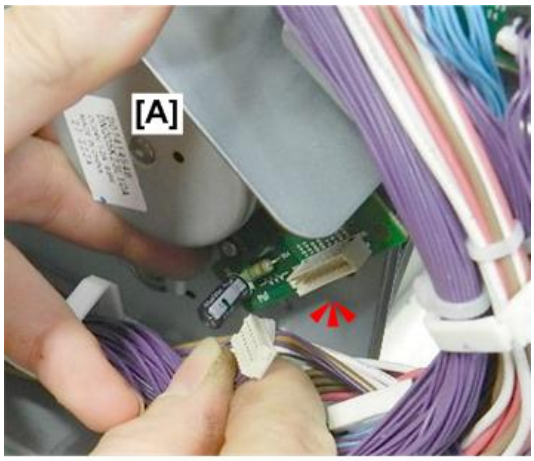
d1794056

10. Down and to the left of the IOB, remove the cap [A] (x1).



d1794057

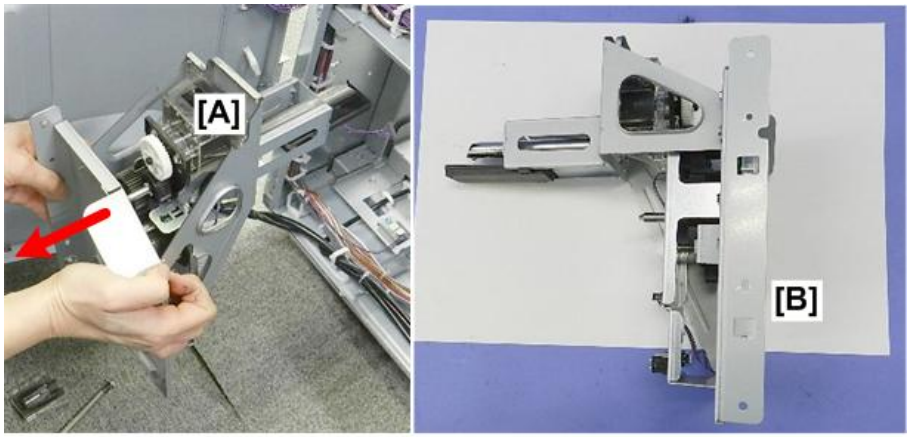
11. Disconnect the used toner transport motor (x1).



d1794058

12. Remove the used toner bottle unit [A]

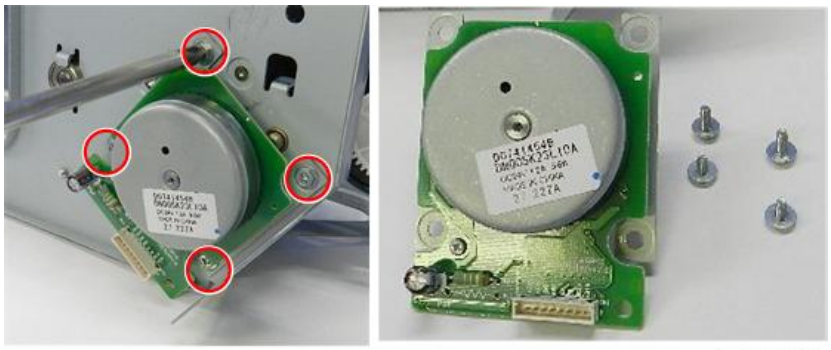
13. Lay the unit on a clean flat surface, covered with paper [B].



d1794059

Used Toner Transport Motor

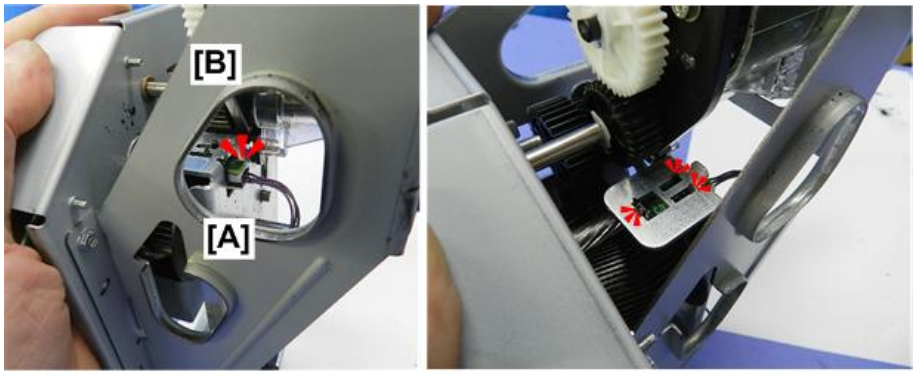
1. Remove the used toner bottle unit
2. Remove the motor from the bracket (x4).



d1794060

Used Toner Bottle Full Sensor

1. Remove the used toner bottle unit (Used Toner Bottle Unit Removal)
2. The used toner bottle full sensor [A] is located at the top of the unit above the gear train [B].
3. Remove the sensor (x1,x3)

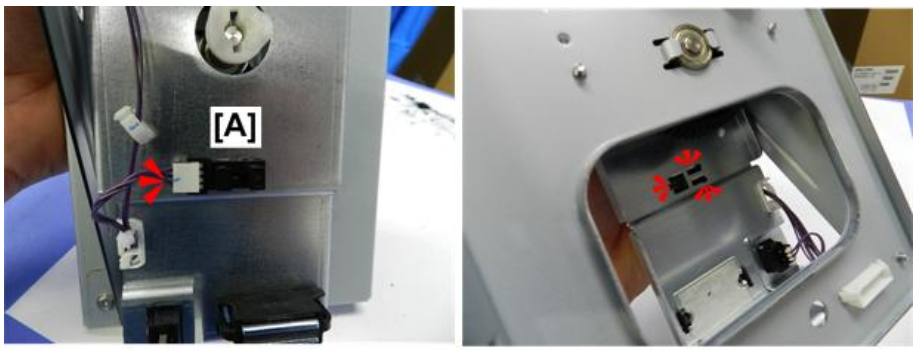


d1794061

Used Toner Bottle Near-Full Sensor

1. Remove the used toner bottle unit (Used Toner Bottle Unit Removal)

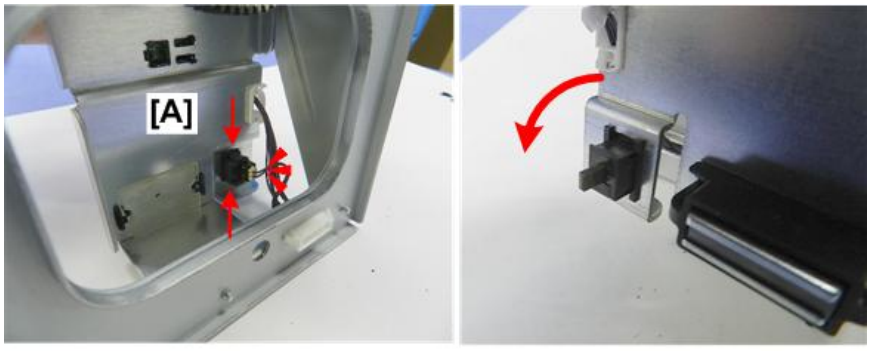
2. The used toner bottle near-full sensor [A] is on the outside surface of the unit plate.
3. Remove the sensor (x1,x3).



d1794062

Used Toner Bottle Set Switch

1. Remove the used toner bottle unit
2. The used toner bottle set switch [A] is located at the base of the used toner bottle unit.
3. Disconnect the switch (x1).



d1794063

4. Depress the top and bottom of the switch together to release it, and then push it out the front.

Filters

Exhaust Unit Air Filters

Important

There is one visible air filter at the top and another filter below behind the black ozone filter.

Replace the upper filter every 1200K. Inspect and clean the filter behind the ozone filter as needed.

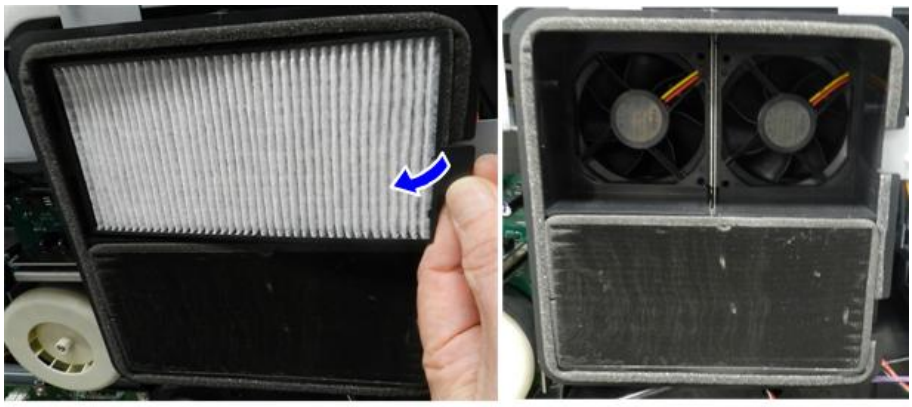
1. Remove the rear cover. (Rear Cover)
2. There are two air filters in the exhaust unit.

d270b4209

Important

These filters should be cleaned every 600K.

3. First, remove the visible filter from the top compartment.

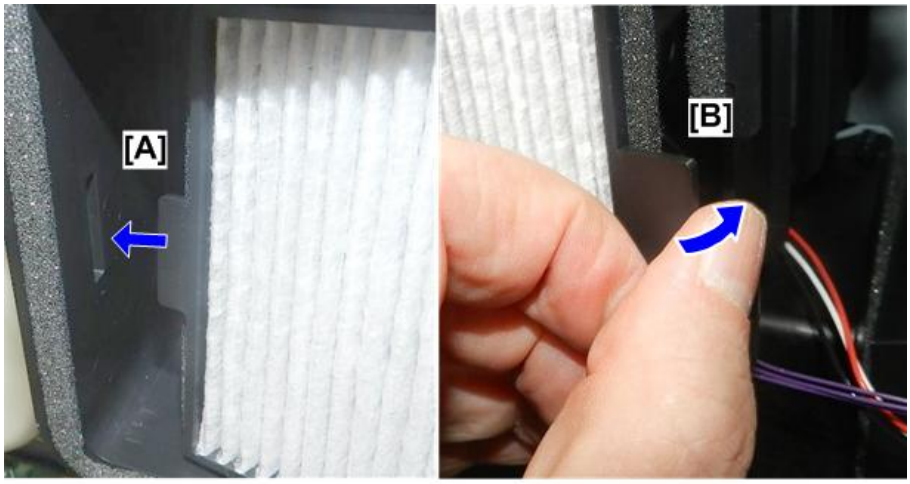


d270b4210

4. Remove the ozone filter [A] from the bottom compartment, and then remove the second filter [B].

d270b4211

5. To install a filter, insert the left tab [A] first, and then press in the right tab [B].



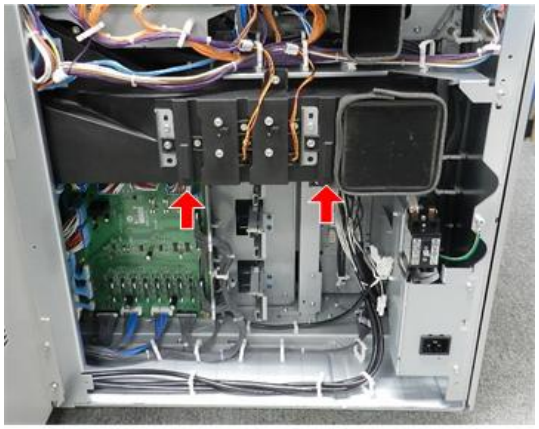
d270b4212

Fusing Exhaust Filters

Important

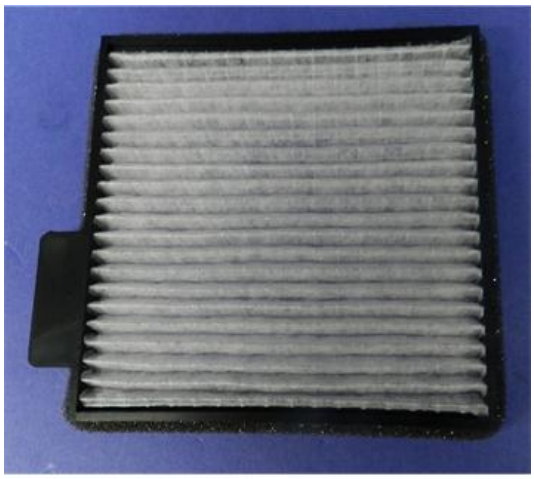
There are two filters in the horizontal duct. The following procedure should be done every 600K.

1. Remove the rear cover. (Rear Cover)
2. There are two exhaust filters in the horizontal duct.



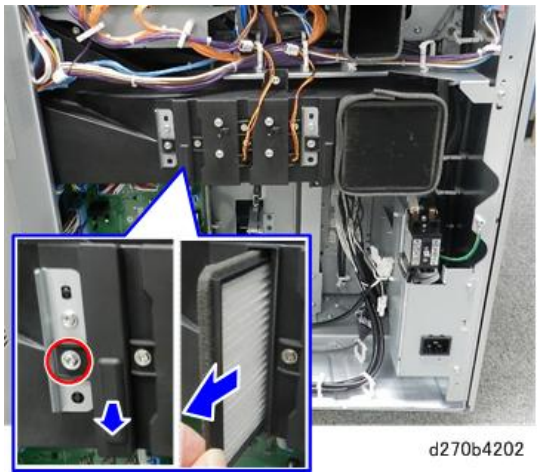
d270b4201

3. You need one clean filter.



d270b4324

4. Remove the cover of the left filter, remove the filter, and then discard it. (x1).



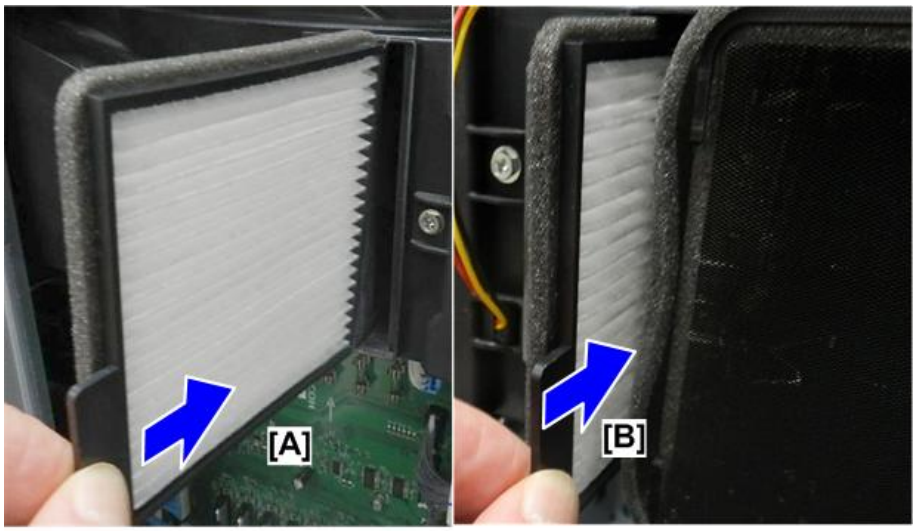
d270b4202

5. Remove the cover of the right filter, and then remove the filter. (x1).

d270b4203

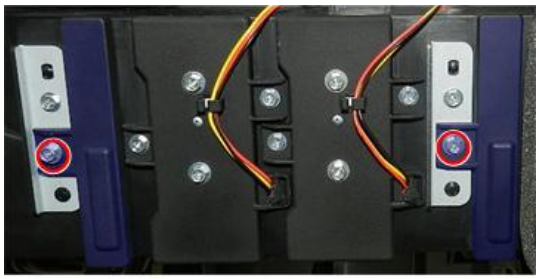
6. Take the filter you just removed from the right slot, and then insert it into the empty left slot [A].

7. Insert the new filter into the right slot [B].



d270b4204

8. Re-attach both filter covers (x2).



d270b4205

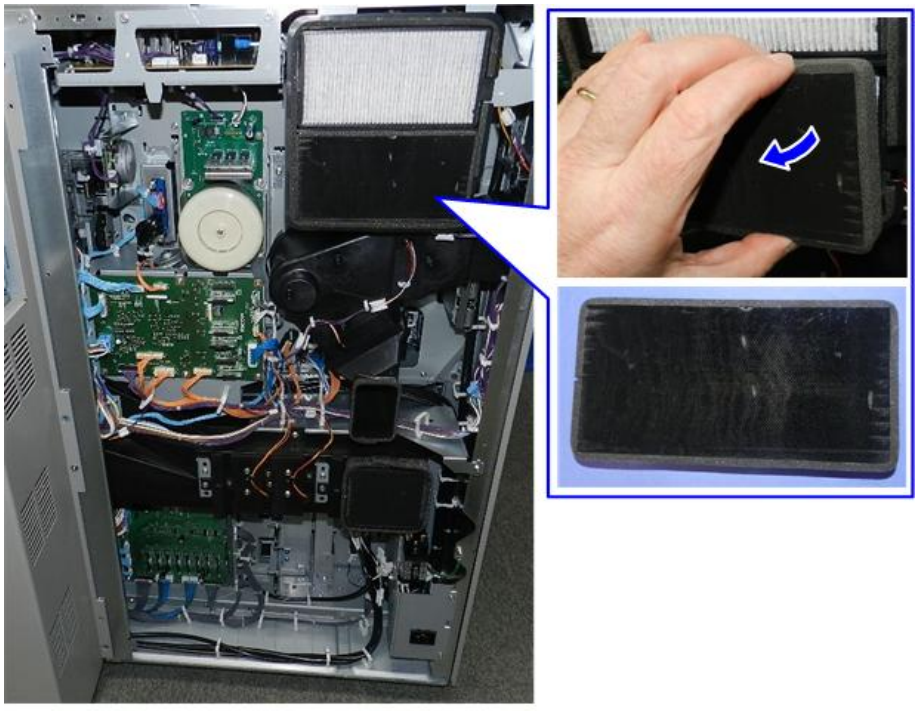
Ozone Filters

1. There are two ozone filters at the back of the machine, one is in the exhaust fan unit [A] and the other is at

the end of the horizontal duct [B].

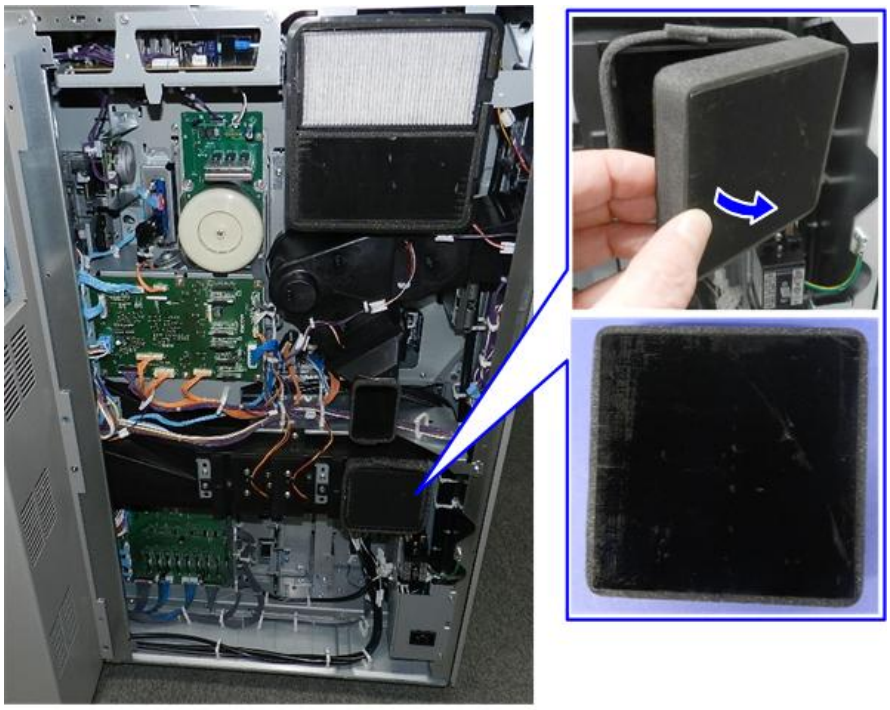
d270b4206

2. Remove the ozone filter from the exhaust fan unit.



d270b4207_

3. Remove the ozone filter from the end of the horizontal duct.



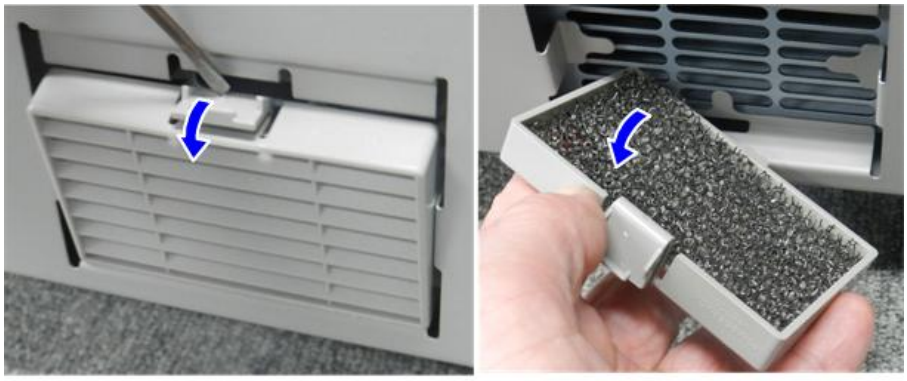
d270b4208

Controller Box Base Filters

1. Locate the filter covers at the bottom edge of the controller box on the back of the main machine.

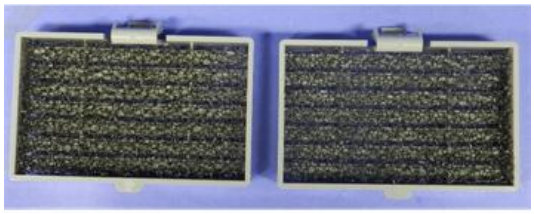
d270b4216

2. Remove each bracket with the filter in it.



d270b4217

3. Vacuum clean these filters.



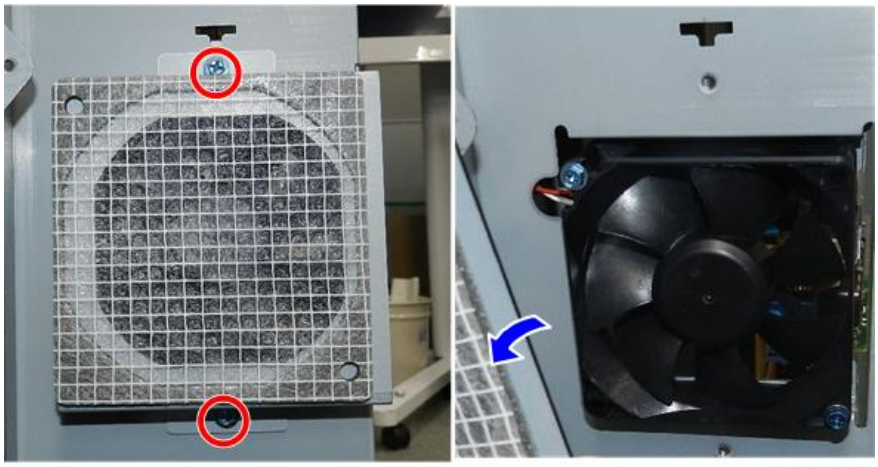
d270b4218

PSU Air Intake Filters

1. Remove the controller box cover. (Removing the Controller Box Cover, Inner Cover)
2. These filters are mounted on brackets on the right side of the controller box.

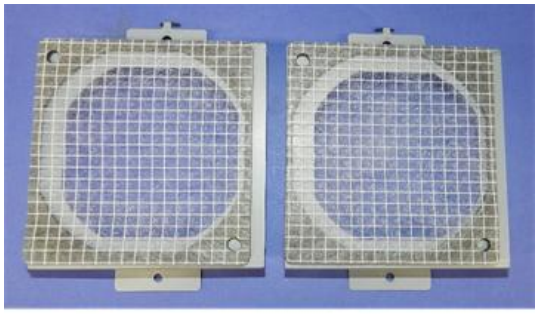
d270b4213

3. Remove the screws, and then remove each bracket (x2).



d270b4214

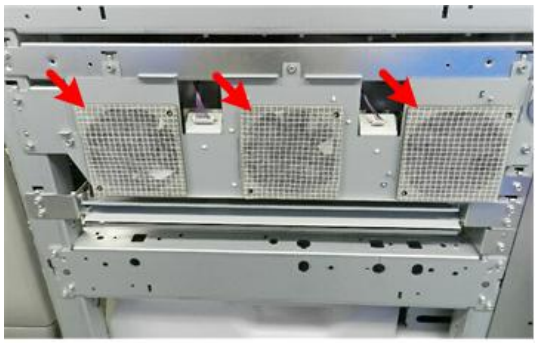
4. Vacuum the filters to clean them.



d270b4215

Right Cover Air Intake Filters

1. Remove the right cover. (Right Cover)
2. Vacuum clean these filters on the right side of the machine. (The filters are not removed from the fan bracket.)

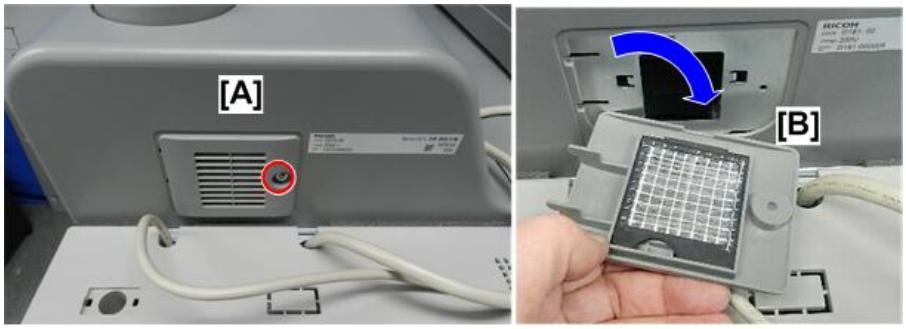


d1794206

Toner Supply Filter

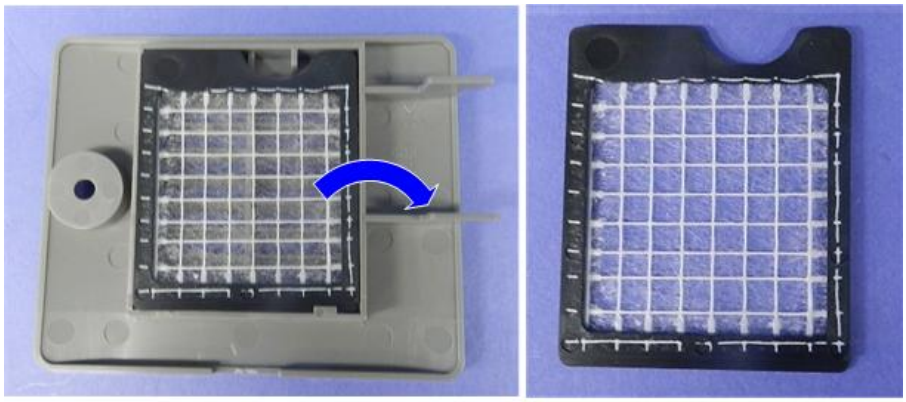
1. Locate this filter [A] on the back of the canopy that covers the toner bottle bank.

2. Remove the filter bracket [B] with filter attached (x1).



d270b4219

3. Separate filter and bracket.
4. Vacuum clean the filter.



d270b4220

Fans (Main Machine)

Before You Begin

Here is a list of fans in this machine.

Name	SC	Ref.
Belt Cooling Fan	SC530-02	
CIS Cleaning Fan	SC532-11	(LE Shift Unit Motor, CIS Fan)
Control Board Air Intake Fan	---	
Development Unit Cooling Fan: Front	SC531-01	
Development Unit Cooling Fan: Rear	SC531-02	
Fusing Air Intake Fan: Lower Left	SC530-14	
Fusing Air Intake Fan: Lower Right	SC530-13	
Fusing Exhaust Fan: Lower	SC530-10	
Fusing Exhaust Fan: Upper	SC530-09	
Fusing Transport Exhaust Fan	SC530-08	
HP Cooling Exhaust Fan	SC530-18	
HP Cooling Suction Fan	SC530-17	
ID Sensor Cooling Fan	SC532-08	ID Sensor Fan)
Laser Unit Cooling Fan	SC530-01	
Ozone Air Exhaust Fan	SC531-04	
Ozone Air Intake Fan	SC531-03	
PSU Air Exhaust Fan: M1 Left	SC532-04	
PSU Air Exhaust Fan: M2 Left	SC532-06	
PSU Air Intake Fan: M1 Right	SC532-03	
PSU Air Intake Fan: M2 Right	SC532-05	
PSU Cooling Fan: T Left	SC530-20	
PSU Cooling Fan: T Right	SC530-19	
PTB Fan: Front	SC532-09	(PTB Sensor, Fans)
PTB Fan: Front	SC530-21	(PTB Sensor, Fans)
PTB Fan: Rear	SC532-10	(PTB Sensor, Fans)
PTB Fan: Rear	SC530-22	(PTB Sensor, Fans)
Paper Exit Exhaust Fan: Lower Left	SC530-16	
Paper Exit Exhaust Fan: Lower Right	SC530-15	
Right Air Intake Fan: Center	SC531-07	
Right Air Intake Fan: Front	SC531-05	
Right Air Intake Fan: Rear	SC531-06	

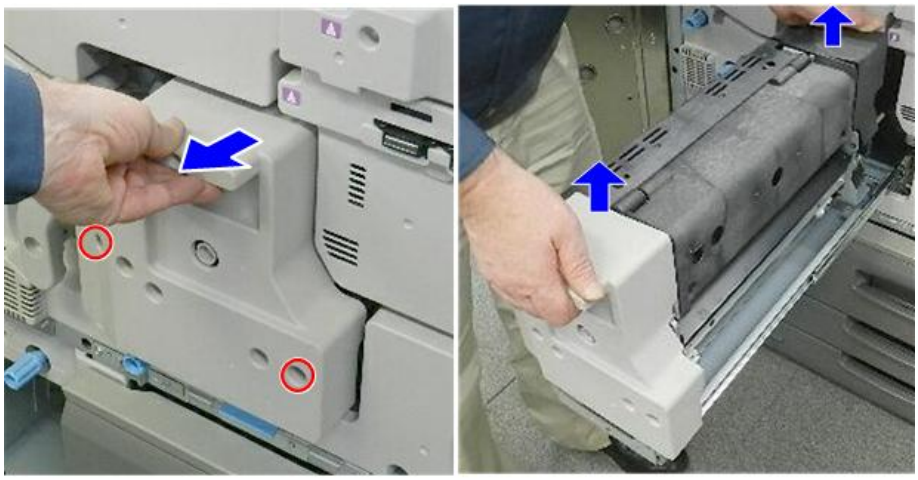
- The "SC" column lists the corresponding SC code that the machine issues if there is a problem with the fan.
- Before you remove any fan, always check the direction of the label. The fan must be re-installed with the

label facing the same direction as when it was removed. Air flows left to right with the label facing right. Air flows right to left with the label facing left.

- In the above table, some components have cross references in the right-hand column to other sections of the manual. The removal procedures for these components are not described in this section. For more about removal of these fans, go to the referenced section.

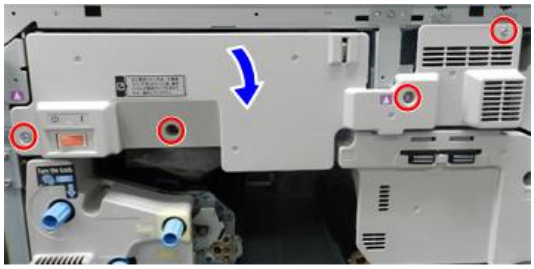
Belt Cooling Fan

1. Remove the rear cover. (Rear Cover)
2. Open the front doors.
3. Remove the fusing unit (x2).



d270b4246

4. Remove the power switch cover (x4).

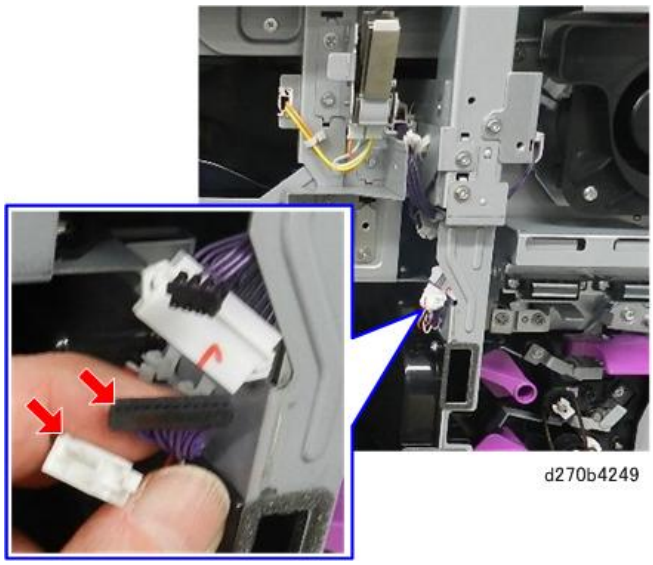


d270b4247

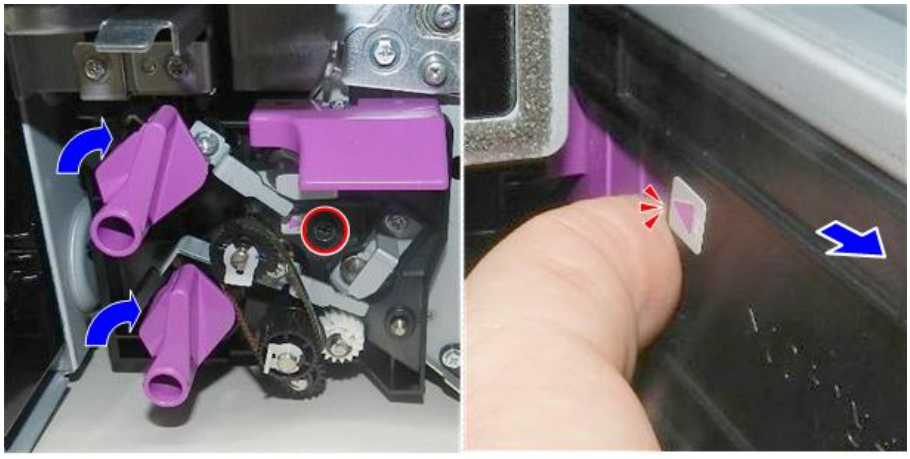
5. Remove the ITB unit cover (x4).

d270b4248

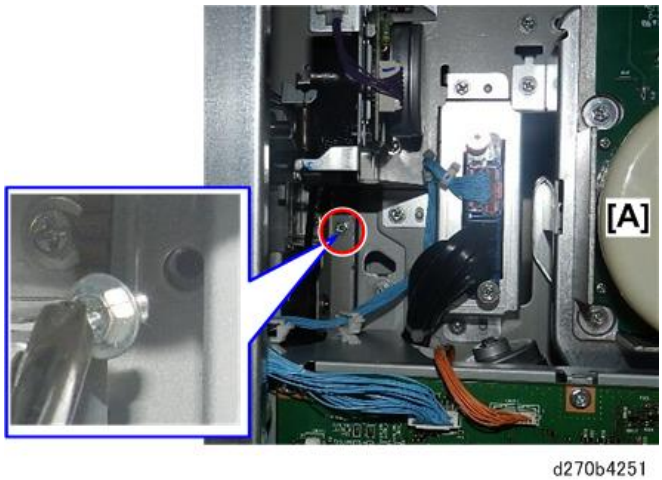
6. Disconnect the thermopile unit (x2).



7. Rotate the levers up, disconnect the ITB cleaning unit, and then remove it (x1).

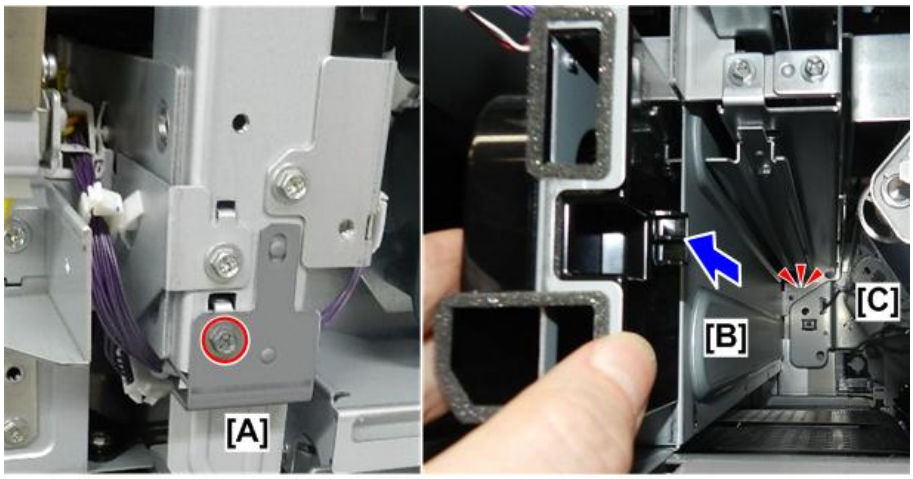


8. At the back of the machine, to the left of the fusing motor [A] locate the screw holding the thermopile unit, and then remove it carefully to prevent it from falling into the machine (x1).



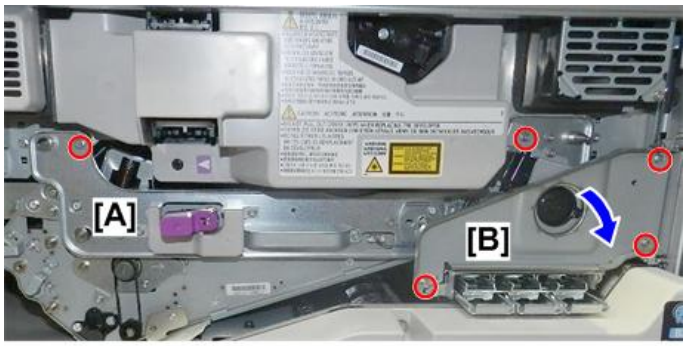
9. At the front, disconnect the bracket [A] (x1).

10. Pull the thermopile unit [B] forward until it is stopped by the frame of the ITB unit [C] on the right.



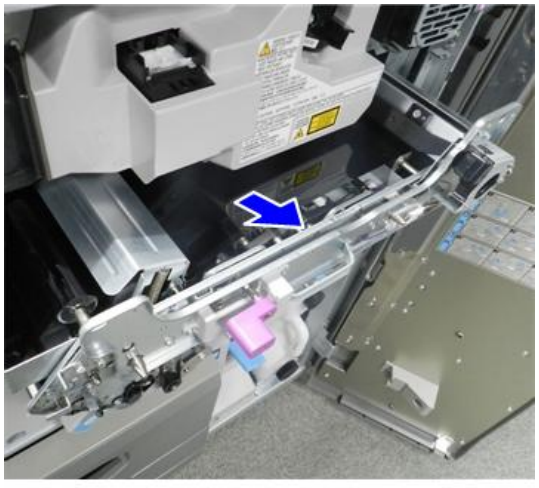
d270b4252

11. Disconnect the ITB unit [A] (x2).
12. Remove the lock plate [B] (x3).



d270b4253

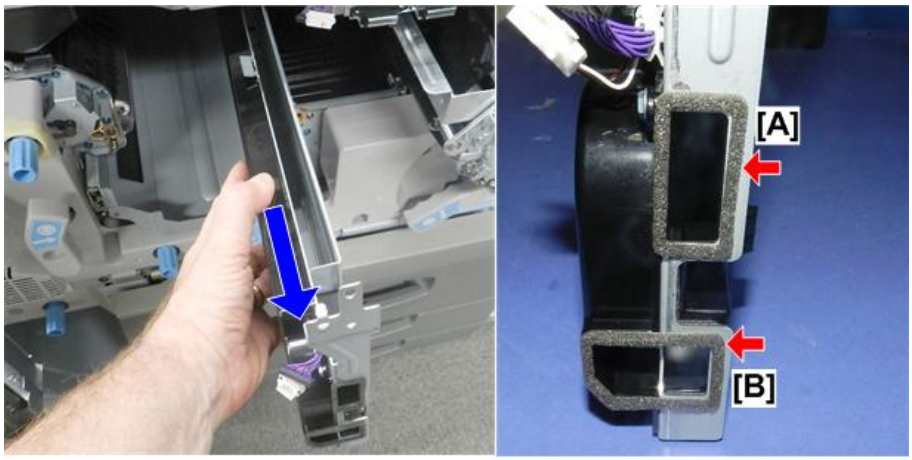
13. Pull the ITB out slightly. You do not need to remove it.



d270b4254

14. Pull the thermopile unit out of the machine, and then set it on a flat clean surface.

15. On the front end of the unit, there are two thin seals, one at the top [A] and one at the bottom [B]

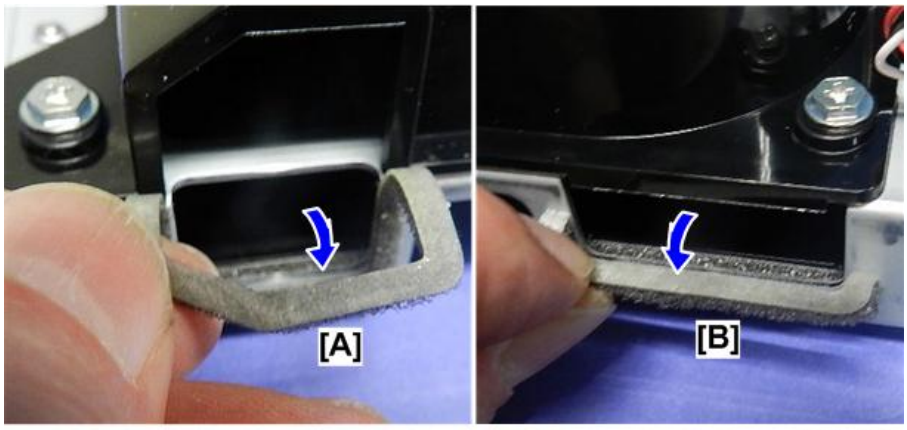


d270b4255

16. Carefully, peel the top seal [A] and bottom seal [B] away from the plastic cover but **do not** detach them from the metal frame.

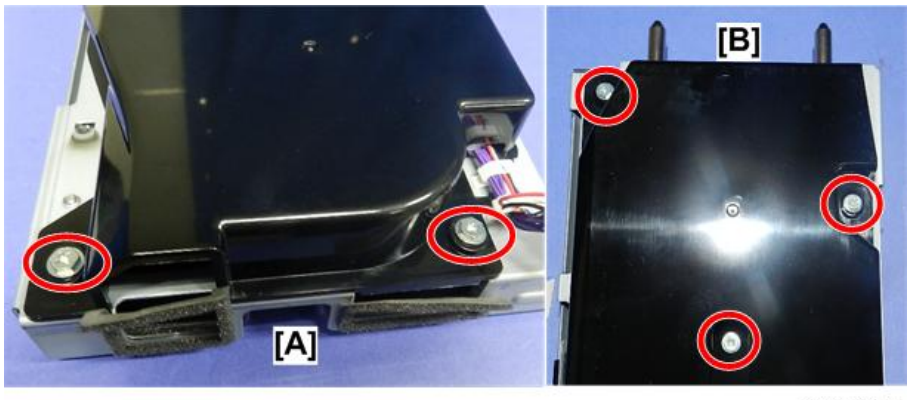
Note

- If new seals are available, they should be replaced.



d270b4256

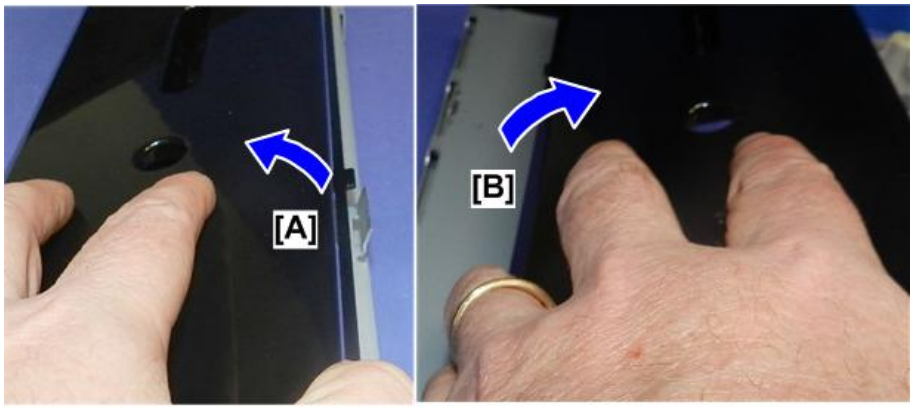
17. Disconnect the cover at the front [A] (x2).
18. Disconnect the cover at the rear [B] (x3).



d270b4257

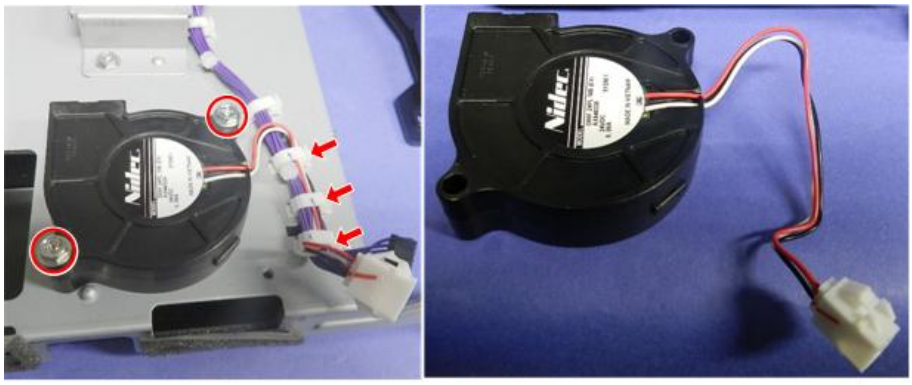
19. To remove the cover, first slide it to the left [A] to disconnect the tab on the right, and then slide it right [B]

to remove it.



d270b4258

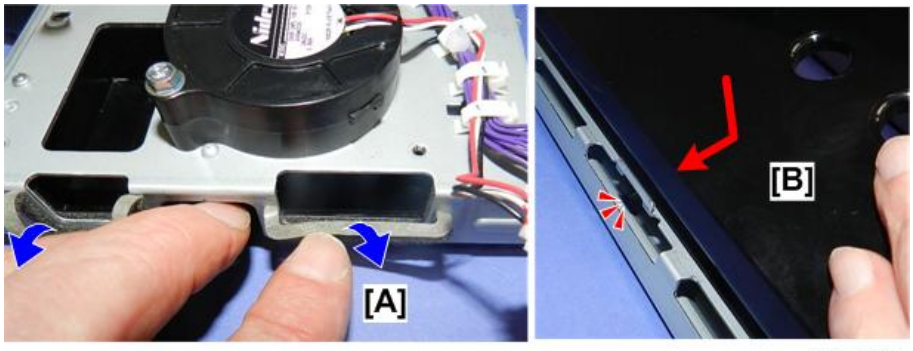
20. Disconnect the fan and then remove it (x3, x2).



d270b4259

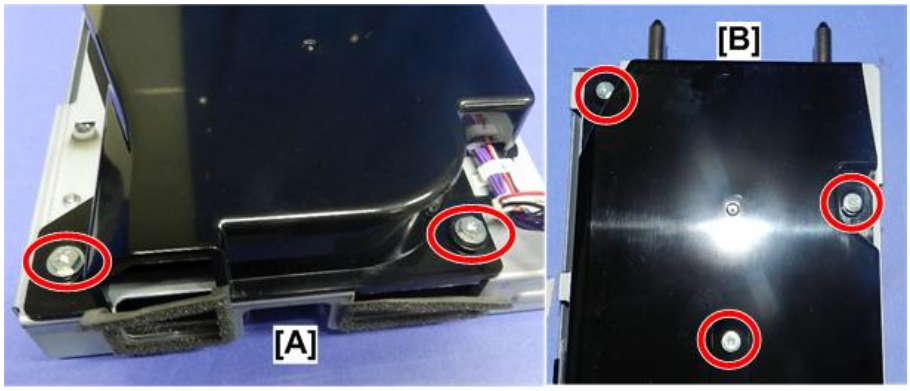
Re-installation

1. At the front, make sure that the loose halves of the seals [A] are down so that they will not be pinched by the cover when it is re-attached.
2. Set the cover [B] on top of the unit.



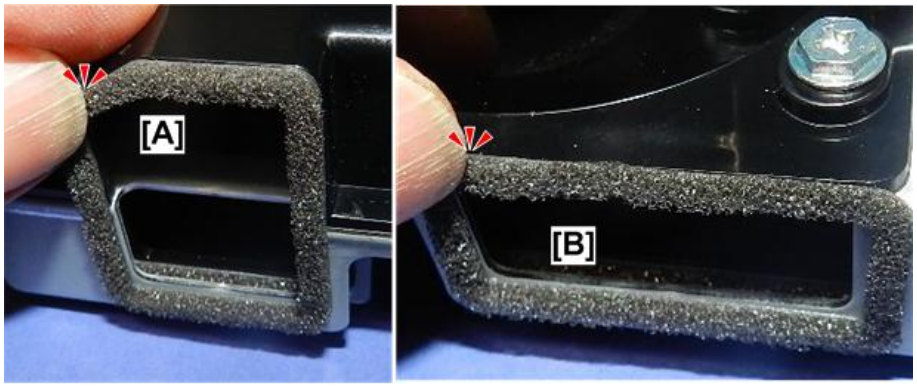
d270b4260

3. Fasten the cover at the front [A] and rear [B] (x5).



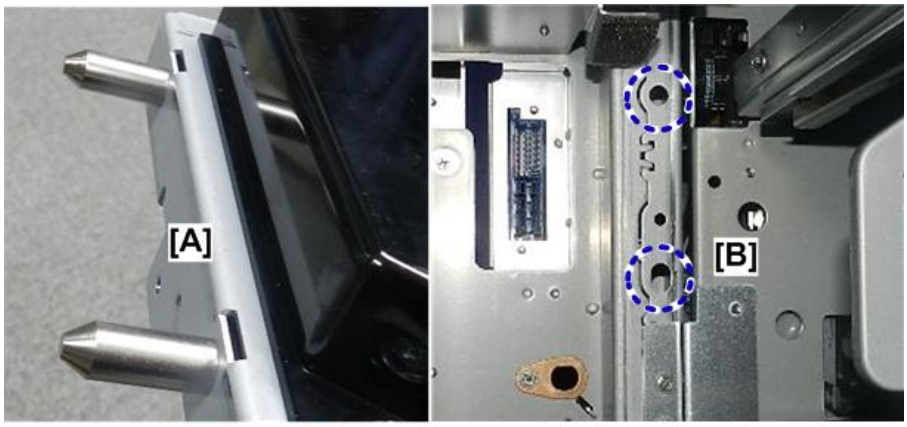
d270b4257

4. Carefully, press the detached top seal [A] and bottom seal [B] onto the edge of the plastic cover.



d270b4262

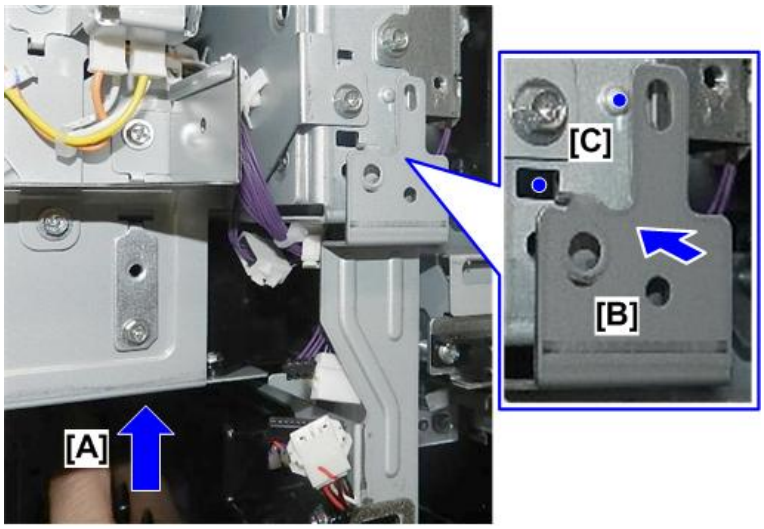
5. The pins on the back of the thermopile unit [A] fit into the holes [B] on the post inside the machine.



d270b4263

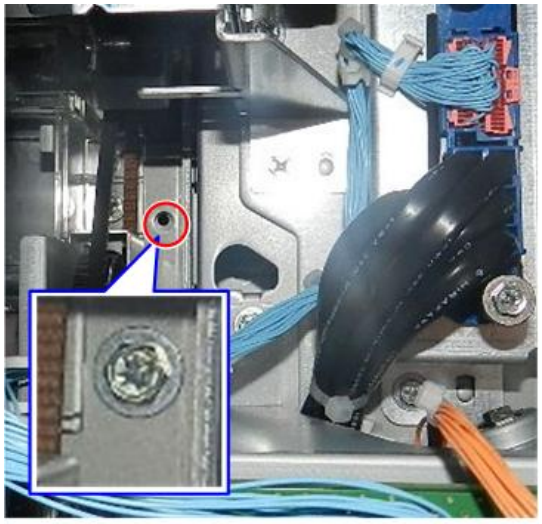
6. To set the unit, support the bottom of the unit [A] with your left hand as you slide it slowly into the machine.
7. Using your right hand, align the hook and hole of the bracket [B] with the hole and boss on the machine [C]. This should align the pins at holes at the back.

8. Slowly, push the unit into the machine until you feel the pins slide into the holes at the rear.



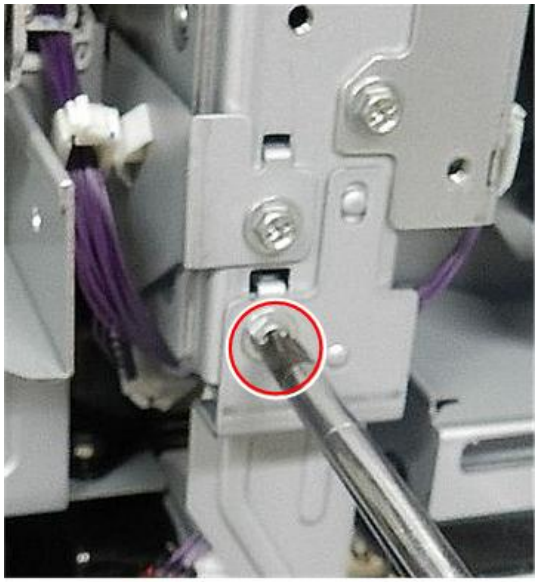
d270b4264

9. At the back of the machine, make sure the unit and hole are aligned correctly, and then re-fasten the screw (x1).



d270b4265

10. At the front, fasten the bracket (x1).



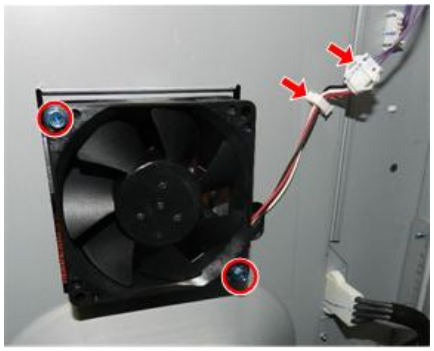
d270b4266

PSU-C Cooling Fan

1. Open the controller box. (Opening the Controller Box)

d270b4299

2. Disconnect the motor (x1, x1, x2).



d270b4300

3. Remove the motor.

d270b4301

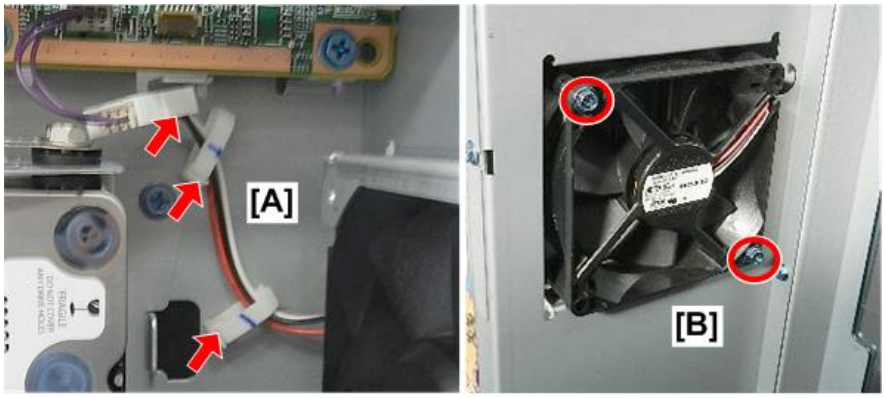
Control Board Air Intake Fan

1. Open the controller box. (Opening the Controller Box)
2. Remove the controller box cover and the inner cover. (Removing the Controller Box Cover, Inner Cover)
3. Locate the fan.

d1794266

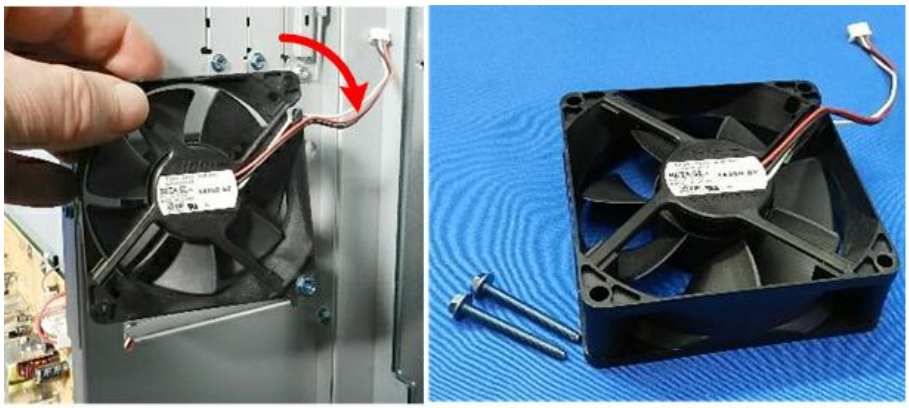
4. Disconnect the fan inside the controller box [A] (x2, x1).

5. Disconnect the fan [B] (x2).



d270b4302

6. Remove the fan.



d1794268

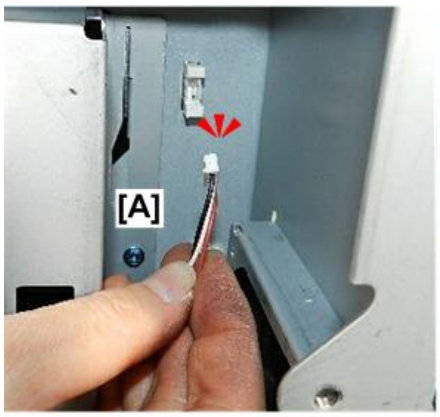
PSU Air Exhaust Fan: M1 Left

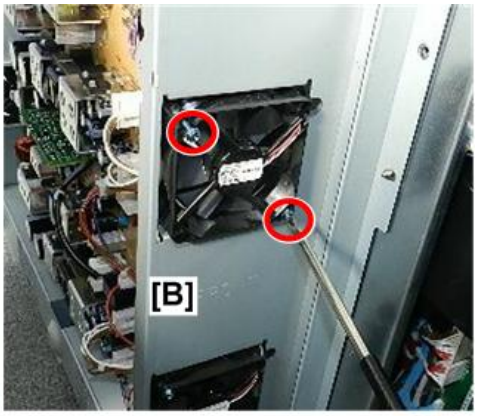
1. Open the controller box. (Opening the Controller Box)
2. Remove the controller box cover and the inner cover. (Removing the Controller Box Cover, Inner Cover)

3. Locate the fan.

d1794269

4. Disconnect the fan inside the controller box [A].
5. Disconnect the fan [B] (x1).





d1794270

6. Remove the fan.

d1794271

PSU Air Exhaust Fan: M2 Left

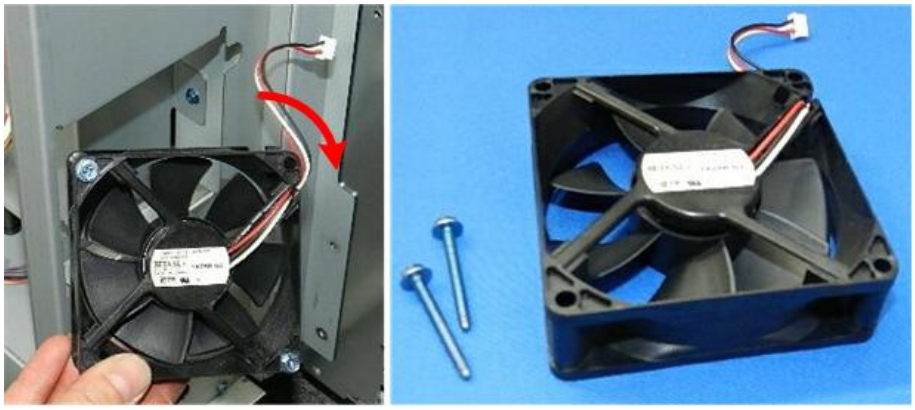
1. Open the controller box. (Opening the Controller Box)
2. Remove the controller box cover and the inner cover. (Removing the Controller Box Cover, Inner Cover)
3. Locate the fan.

d1794272

4. Disconnect the fan inside the controller box [A] (x1).
5. Disconnect the fan [B] (x2).

d270b4303

6. Remove the fan.



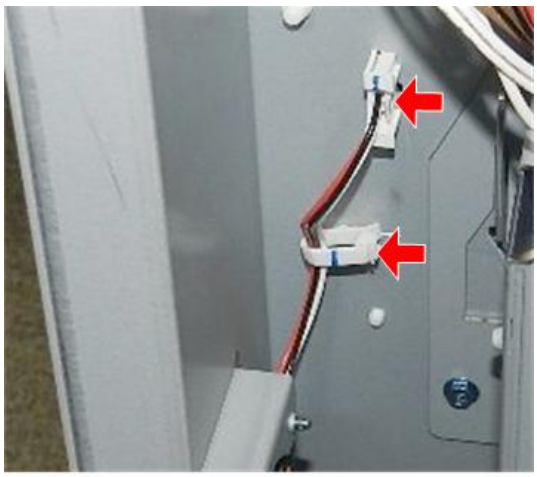
d1794274

PSU Air Intake Fan: M1 Right

1. Open the controller box. (Opening the Controller Box)
2. Remove the controller box cover. (Removing the Controller Box Cover, Inner Cover)
3. Locate the fan [A].

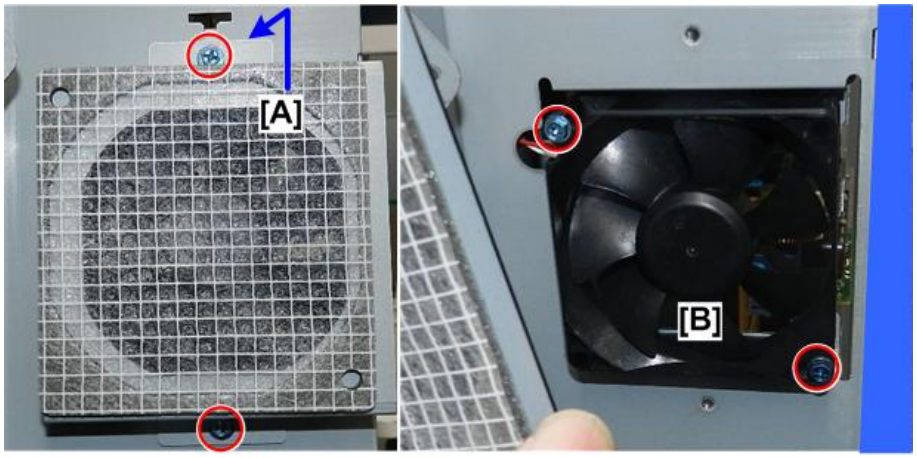
d270b4304

4. Disconnect the fan inside the controller box (x1, x1).



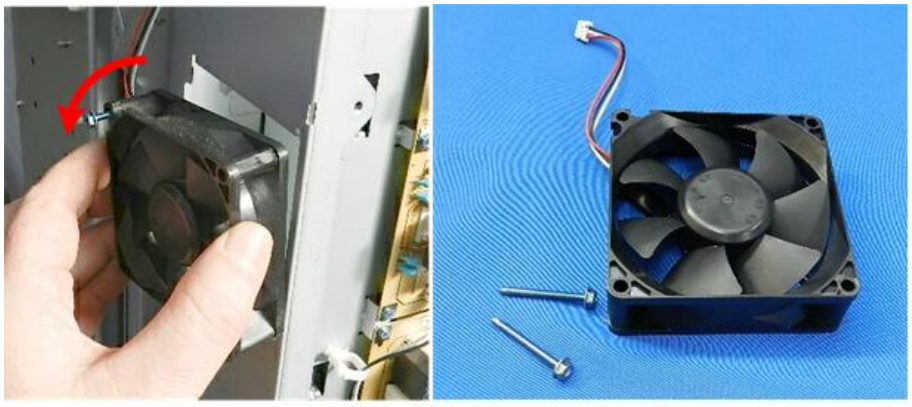
d270b4305

5. Remove the filter bracket [A] (x2).
6. Disconnect the fan [B] (x2).



d270b4306

7. Remove the fan.



d1794265

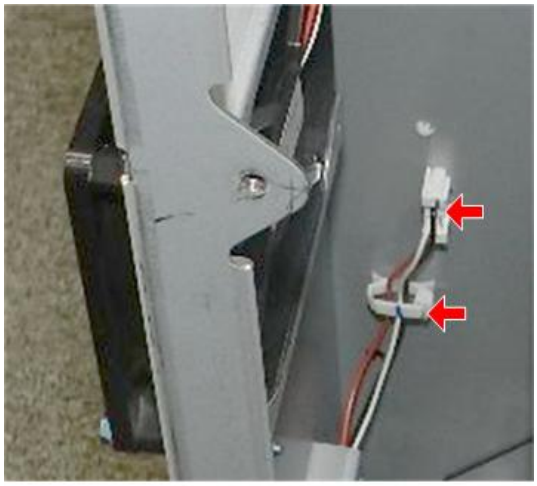
PSU Air Intake Fan: M2 Right

1. Open the controller box. (Opening the Controller Box)

2. Remove the controller box cover. (Removing the Controller Box Cover, Inner Cover)
3. Locate the fan [A].

d270b4307

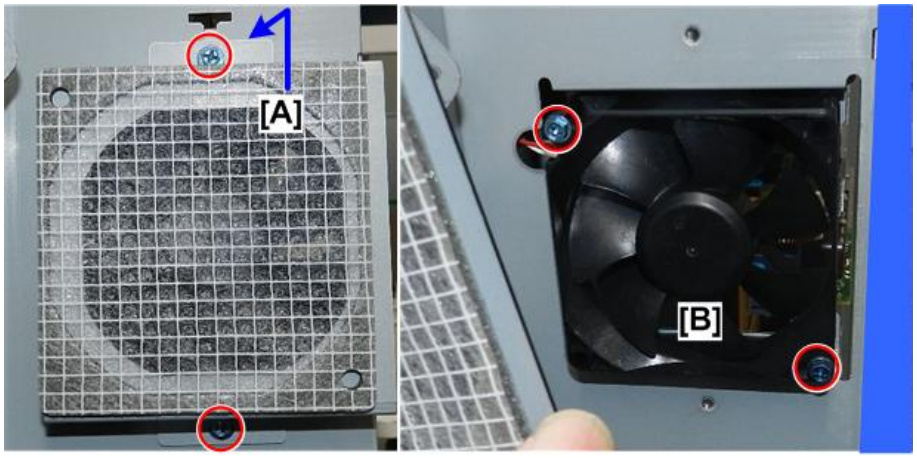
4. Disconnect the fan inside the controller box (x1, x1).



d270b4308

5. Remove the filter bracket [A] (x2).

6. Disconnect the fan [B] (x2).



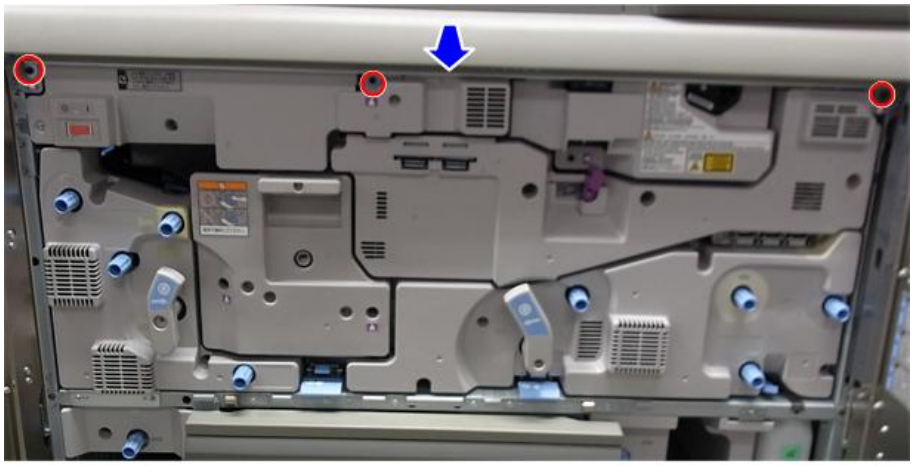
d270b4309

7. Remove the fan.

d1794277

Development Unit Cooling Fan: Front

1. Open the front doors.
2. Remove the front edge connector (x3).

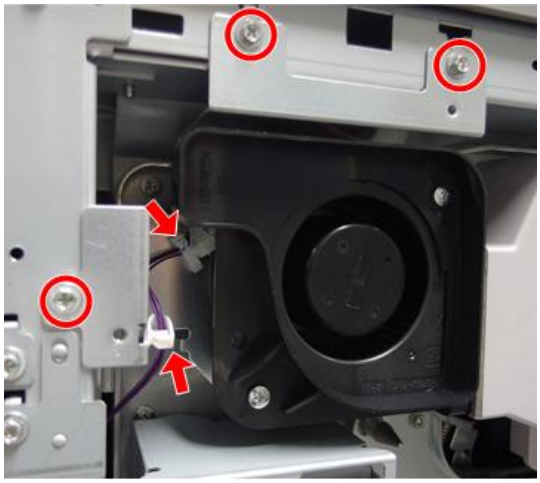


d270b4228

3. Remove the power switch cover (x4).

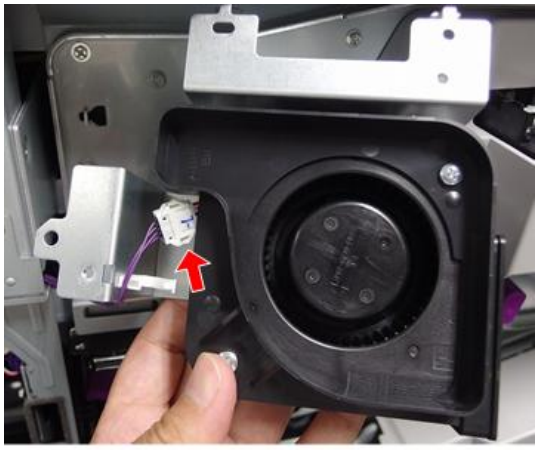
d270b4229

4. Unfasten the motor harness and the bracket (x2, x2).



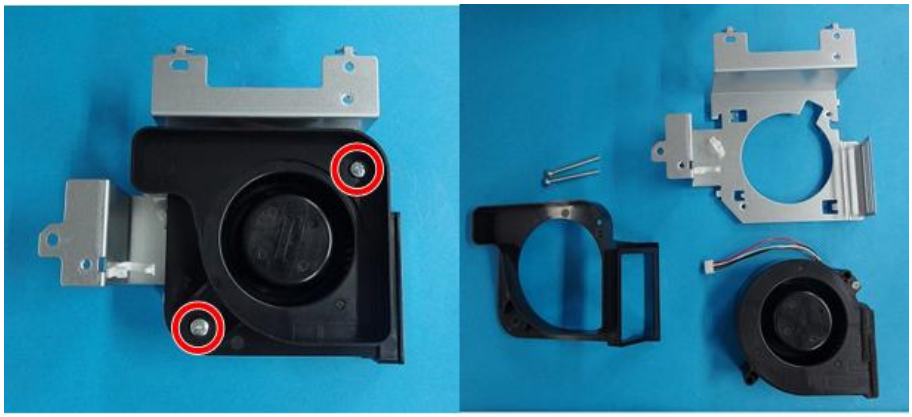
d270d4905

5. Disconnect the fan (x).



d270d4906

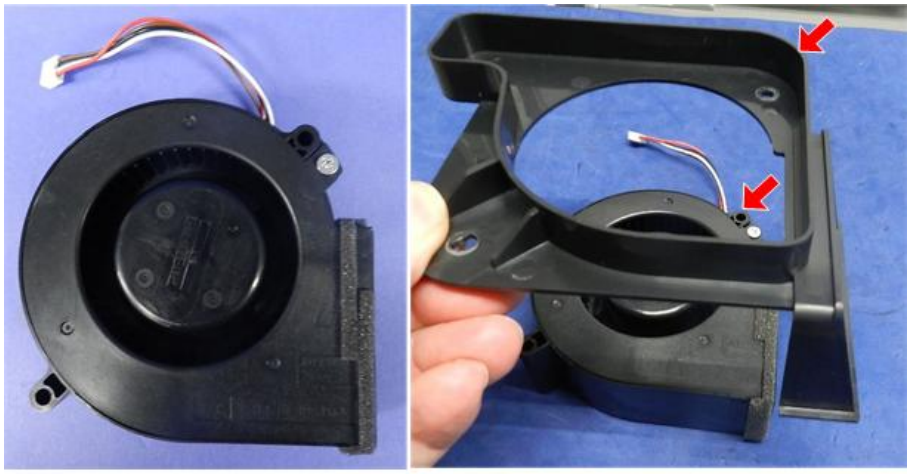
6. Separate bracket and fan (x2)



d270d4907

Note

- Be sure to align the holes correctly when you re-install the fan.

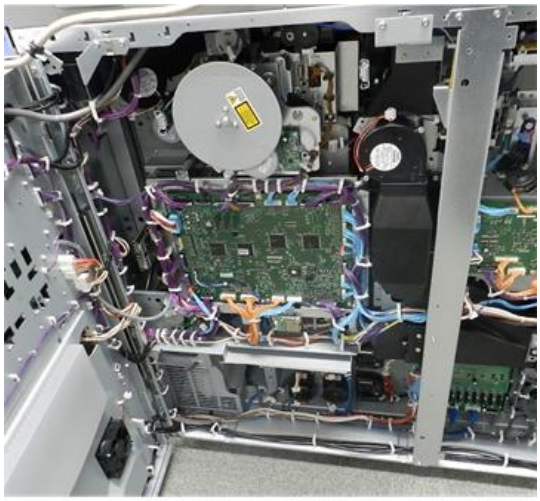


d270b42233

Development Unit Cooling Fan: Rear

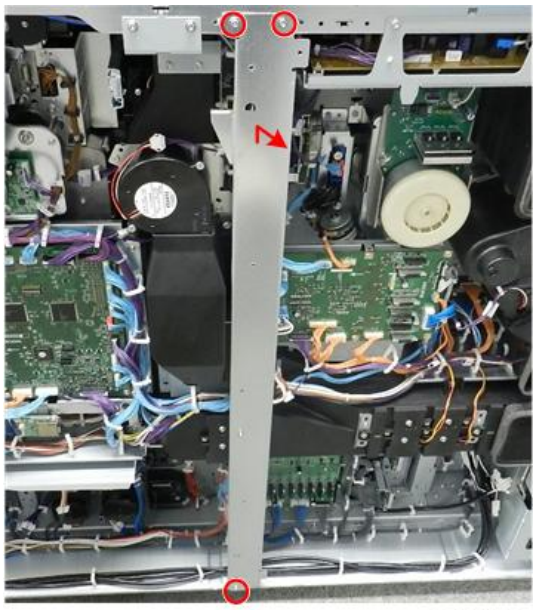
1. Open the controller box. (Opening the Controller Box)

2. Remove the rear cover. (Rear Cover)



d270b4237

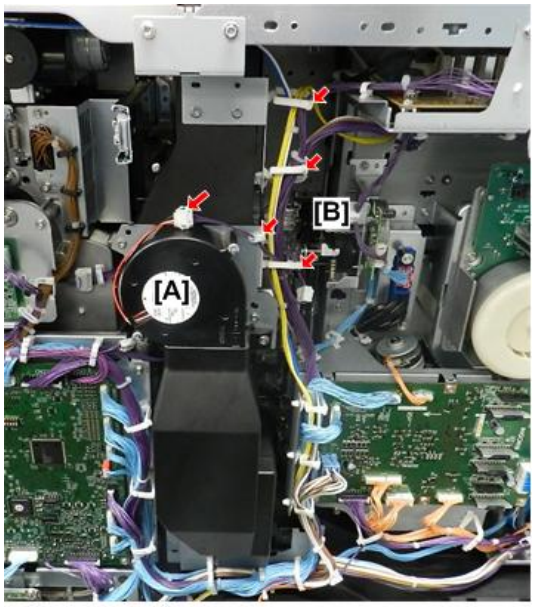
3. Remove the vertical stay (x3).



d270b4238

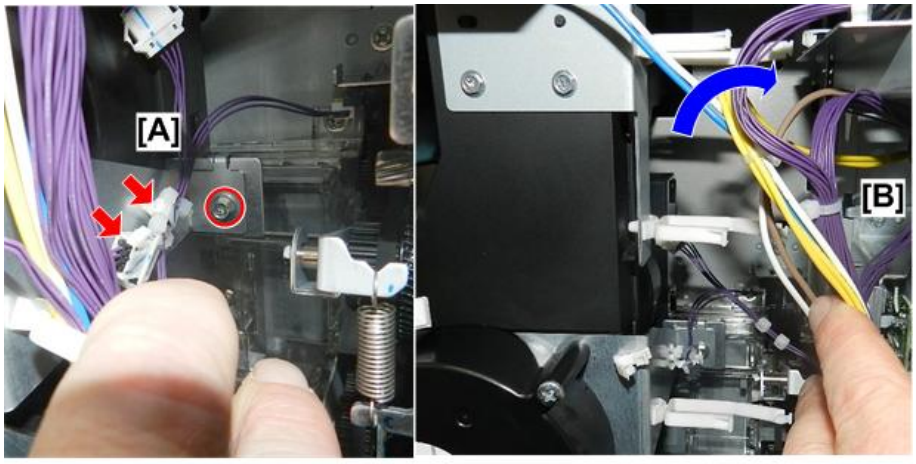
4. Disconnect the motor harness [A] (x1, x1).

5. Open the clamps [B] (x3).



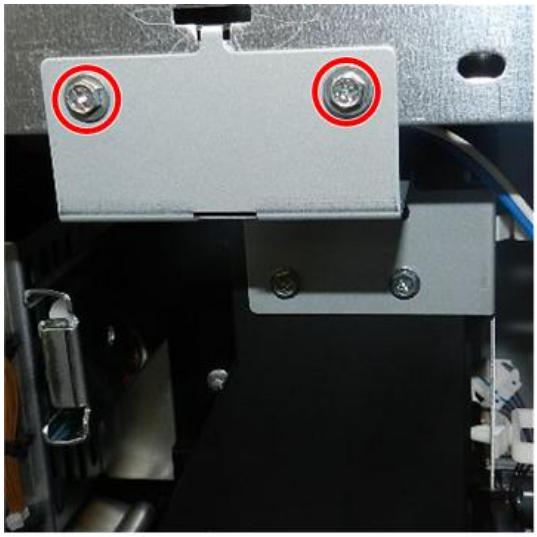
d270b4239

6. Inside the machine, disconnect and free the harness, and then disconnect the motor bracket [A] (x1, x1, x1).
7. Carefully, pull the harnesses [B] away from the side of the duct.



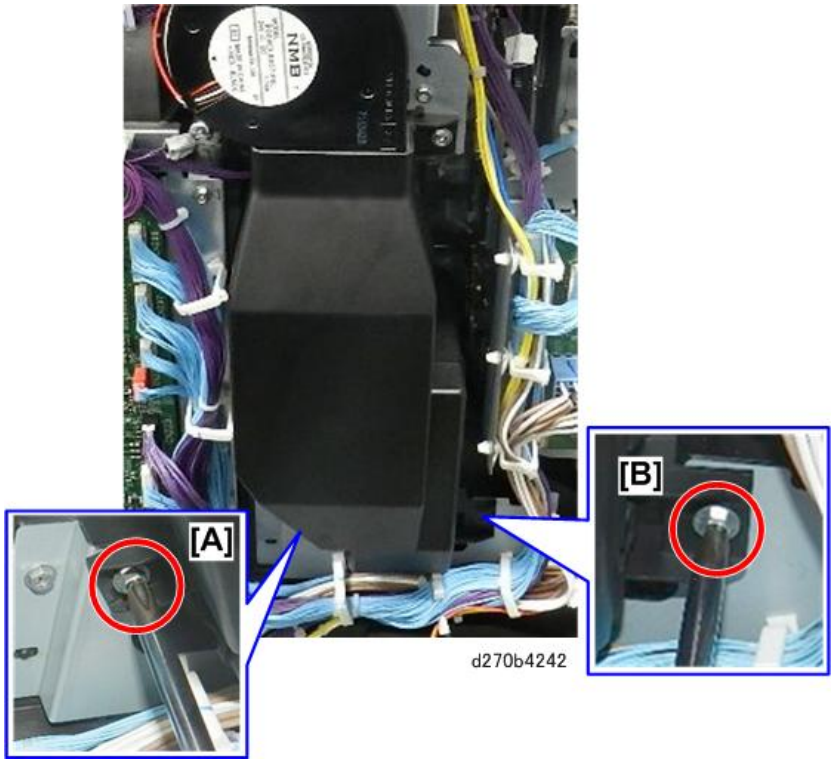
d270b4240

8. Disconnect the top of the duct bracket x2).



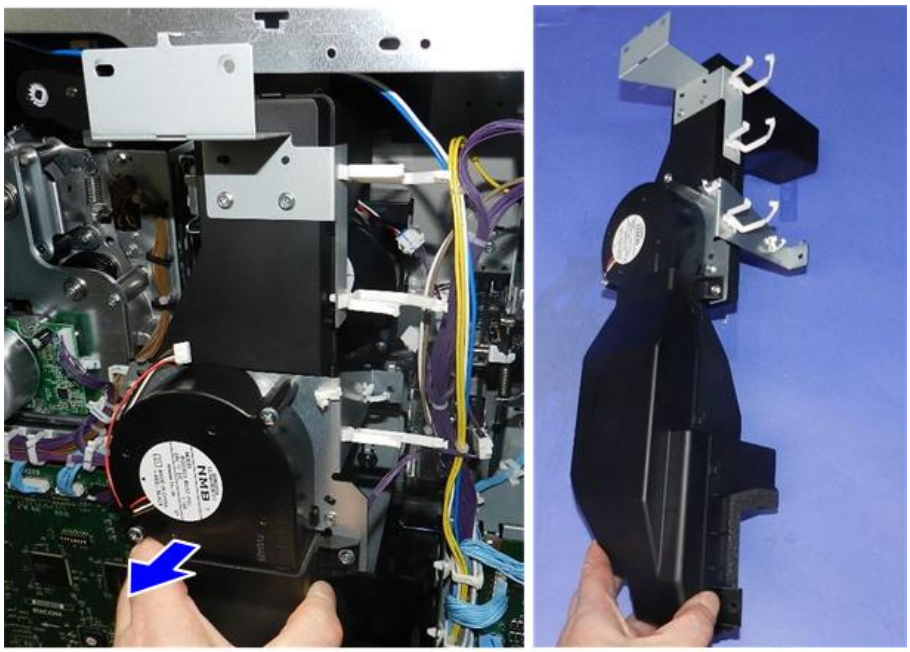
d270b4241

9. Disconnect the bottom of the duct at the left corner [A] and the right corner [B] x2).



d270b4242

10. Remove the vertical duct.

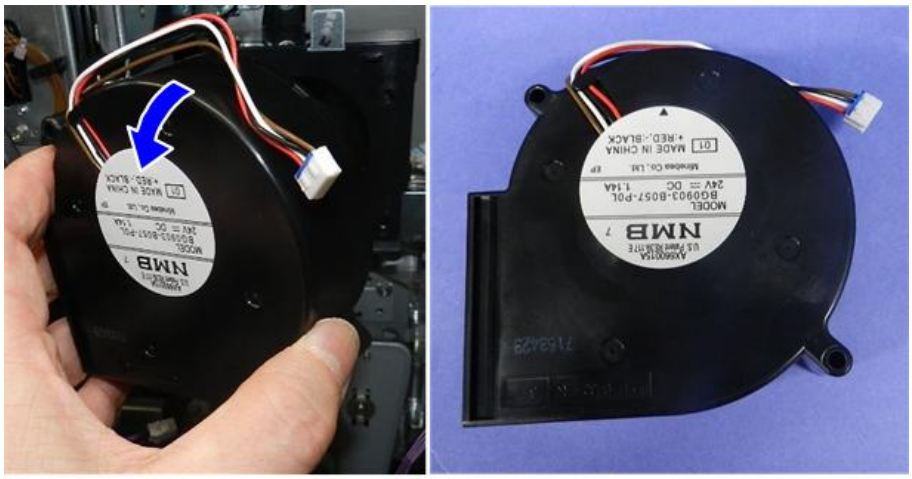


d270b4243

11. Disconnect the motor (x1, x1, x2).

d270b4244

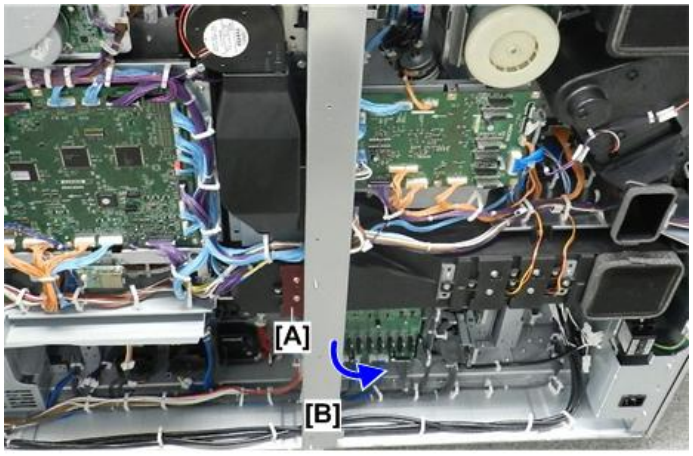
12. Remove the motor.



d270b4245

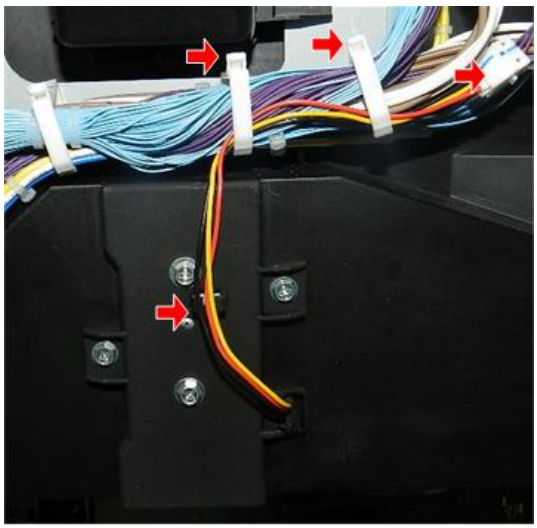
Fusing Transport Exhaust Fan

1. Open the controller box. (Opening the Controller Box)
2. Remove the rear cover. (Rear Cover)
3. The fan [A] is behind the vertical stay [B], so remove the vertical stay (x3).



d270b4274

4. Disconnect the fan harness (x3, x1).

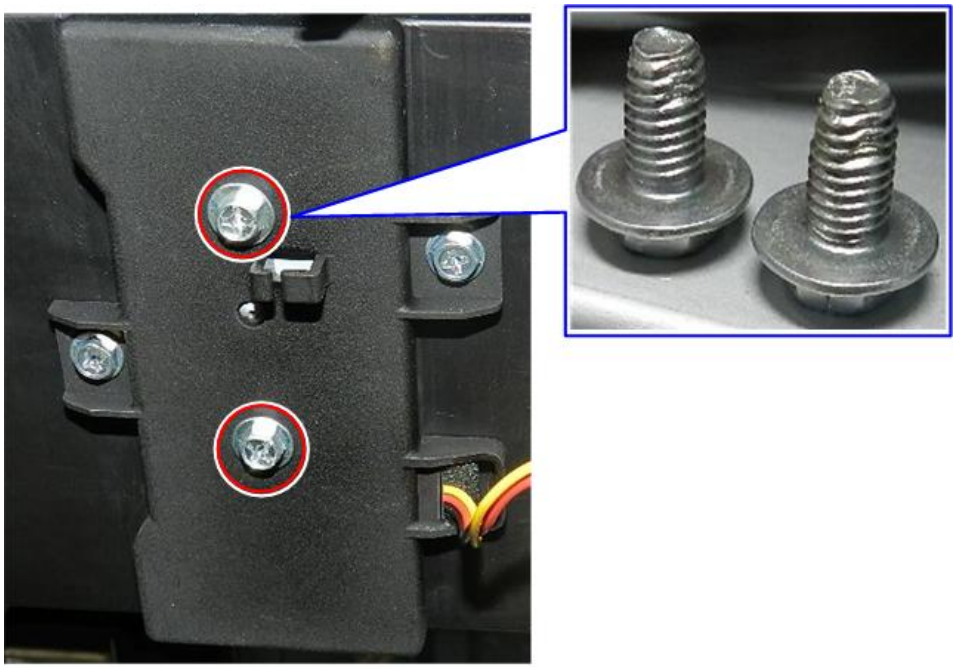


d270b4275

5. Remove the cover vertical screws (x2).

Important

- These are narrow pitch machine screws. Be sure to re-install them at the same location.

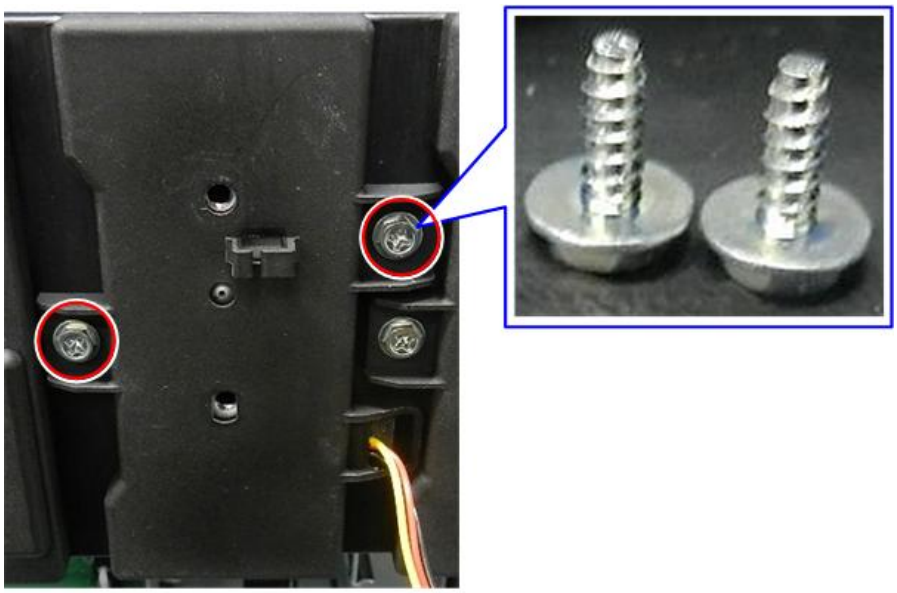


d270b4276

6. Remove the cover wing screws (x2).

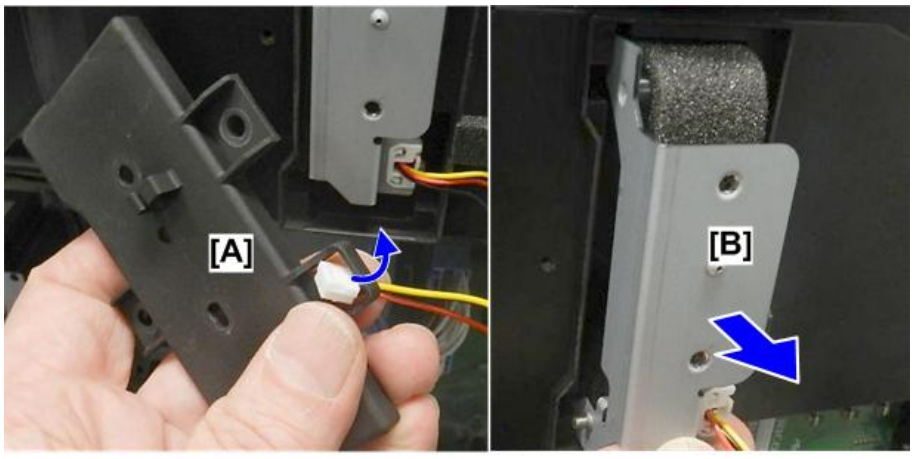
Important

- These are wide pitch tapping screws. Be sure to re-install them at the same location.



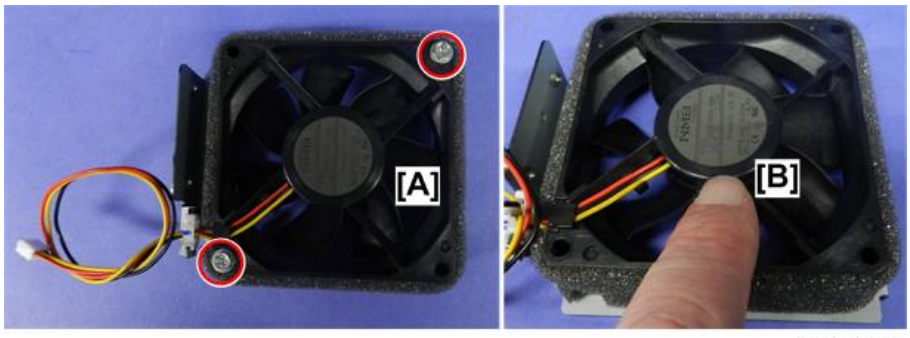
d270b4283

7. Separate the cover [A] and harness, and then remove the cover.
8. Slowly, slide the fan [B] out.



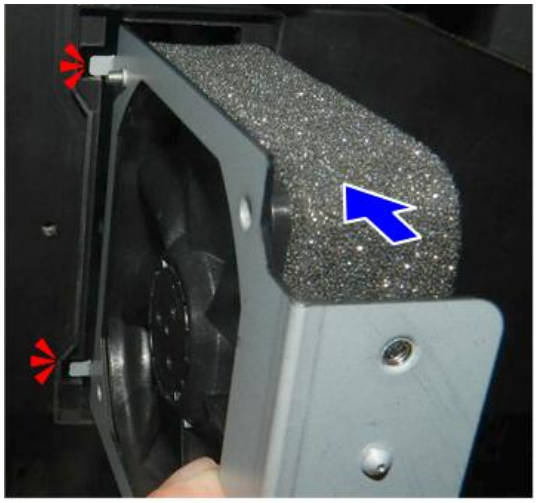
d270b4277

9. Separate fan [A] and bracket (x2).
10. When you re-assemble the fan and bracket, position the fan as shown with its label [B] up.



d270b4278

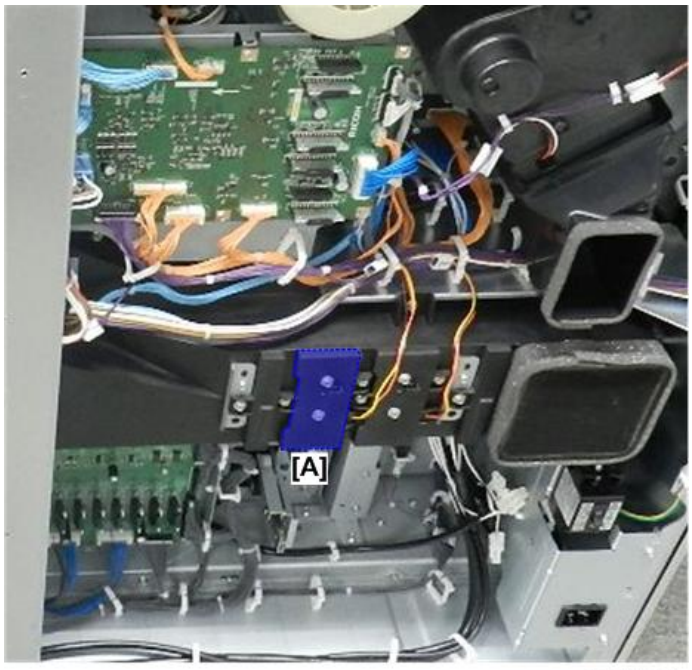
11. Align the tabs and slots on the left, and then slowly insert the fan bracket.



d270b4279

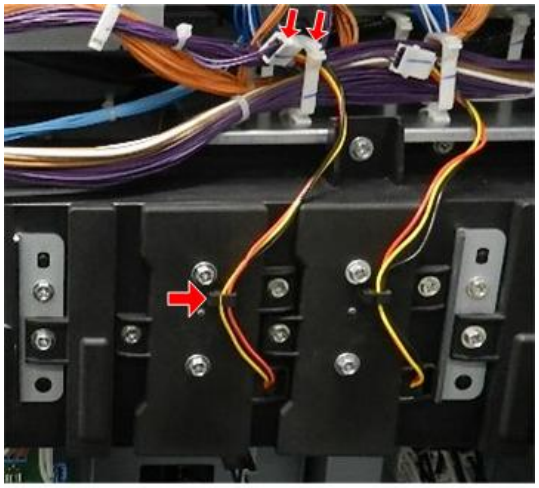
Fusing Exhaust Fan: Upper

1. Remove the rear cover. (Rear Cover)
2. The fan is located in the horizontal duct at [A].



d270b4280

3. Disconnect the fan harness (x2, x1).

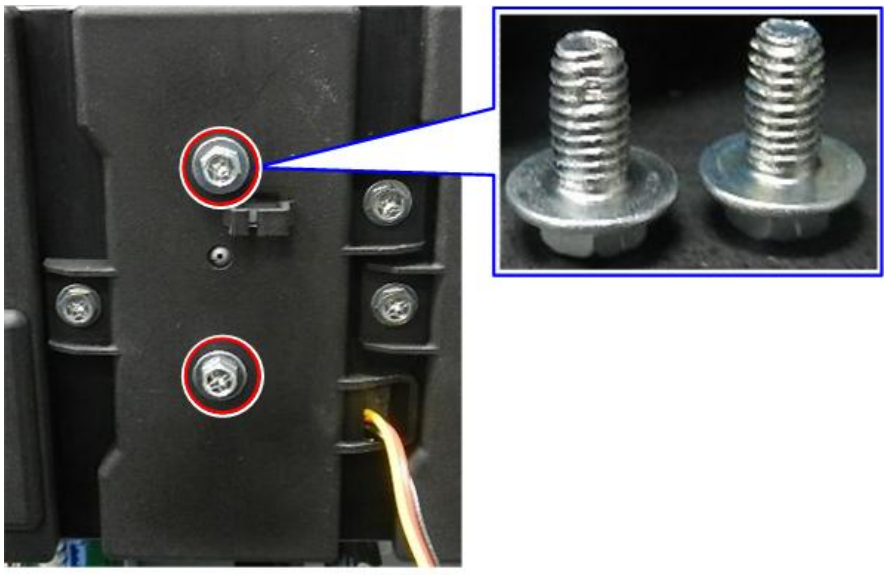


d270b4281

4. Remove the cover vertical screws (x2).

Important

- These are narrow pitch machine screws. Be sure to re-install them at the same location.

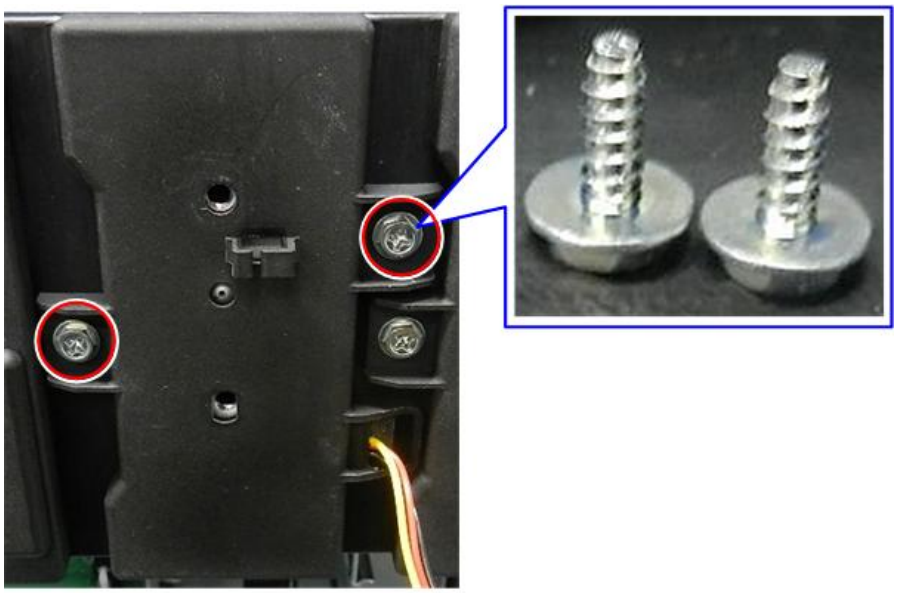


d270b4282

5. Remove the cover wing screws (x2).

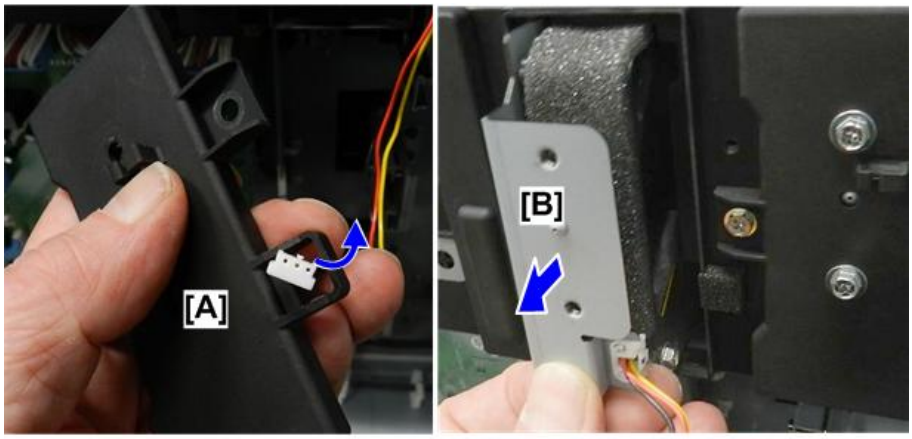
Important

- These are wide pitch tapping screws. Be sure to re-install them at the same location.



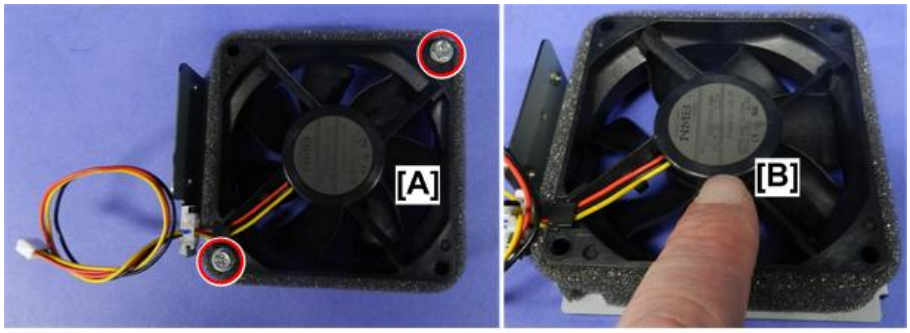
d270b4283

6. Separate the cover [A] and harness, and then remove the cover.
7. Slowly, slide the fan [B] out.



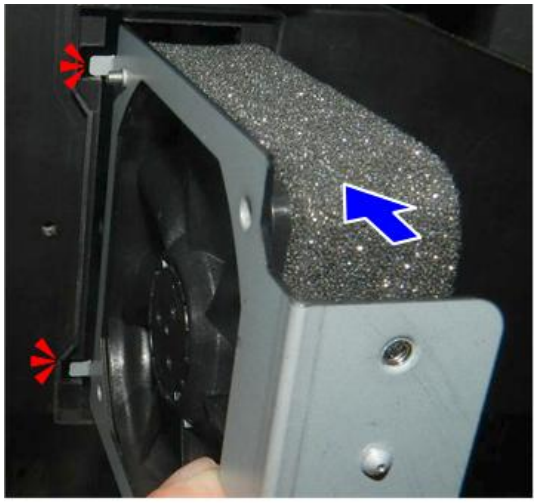
d270b4284

8. Separate fan [A] and bracket.
9. When you re-assemble the fan and bracket, position the fan as shown with its label [B] up (x2).



d270b4278

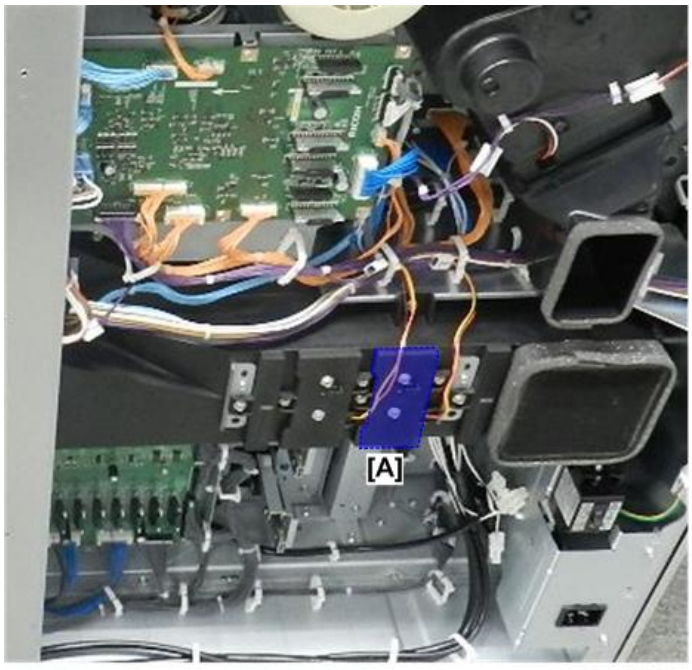
10. Align the tabs and slots on the left, and then slowly insert the fan bracket.



d270b4279

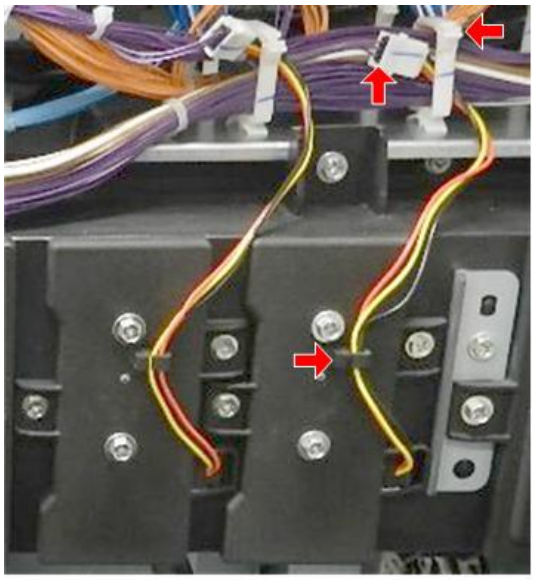
Fusing Exhaust Fan: Lower

1. Remove the rear cover. (Rear Cover)
2. The fan is located in the horizontal duct at [A].



d270b4285

3. Disconnect the fan harness (x2, x1).

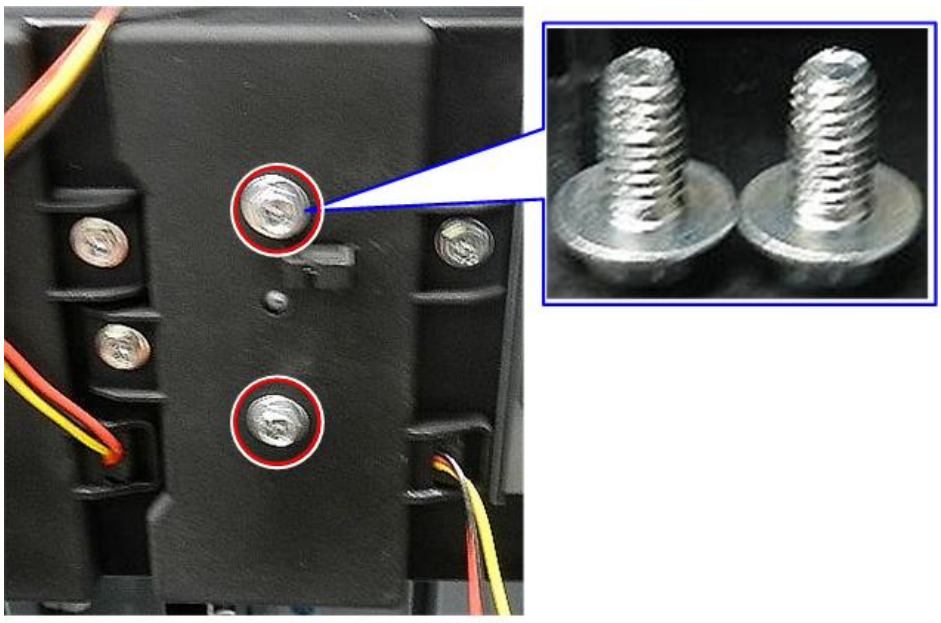


d270b4286

4. Remove the cover vertical screws (x2).

Important

- These are narrow pitch machine screws. Be sure to re-install them at the same location.

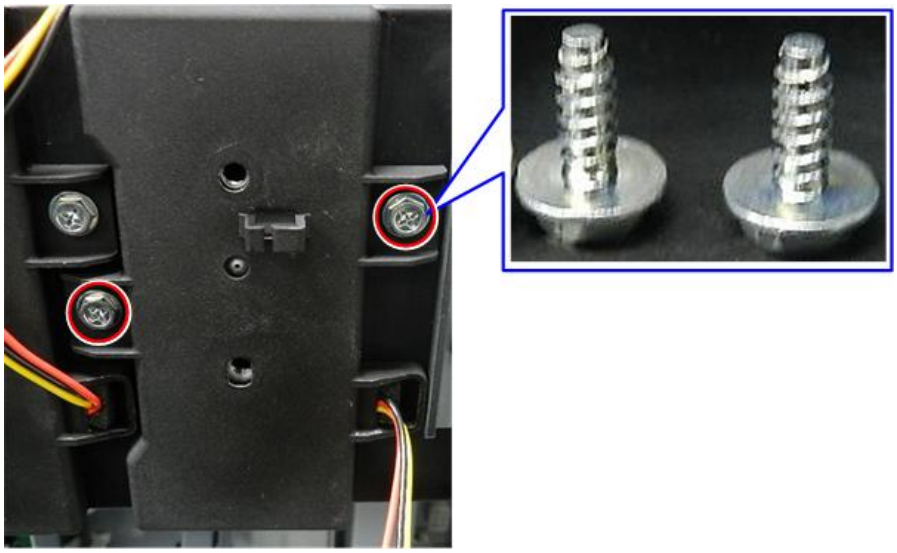


d270b4287

5. Remove the cover wing screws (x2).

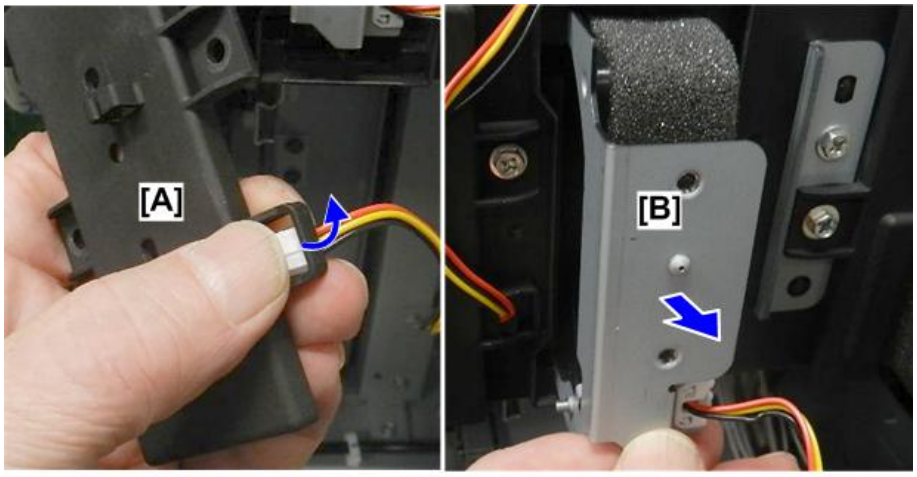
Important

- These are wide pitch tapping screws. Be sure to re-install them at the same location.



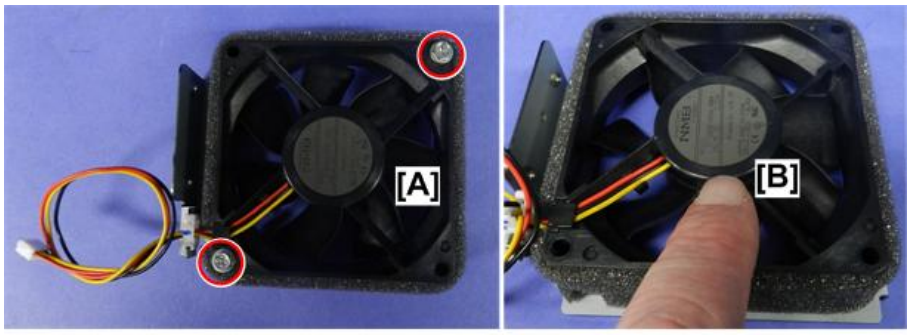
d270b4288

6. Separate the cover [A] and harness, and then remove the cover.
7. Slowly, slide the fan [B] out.



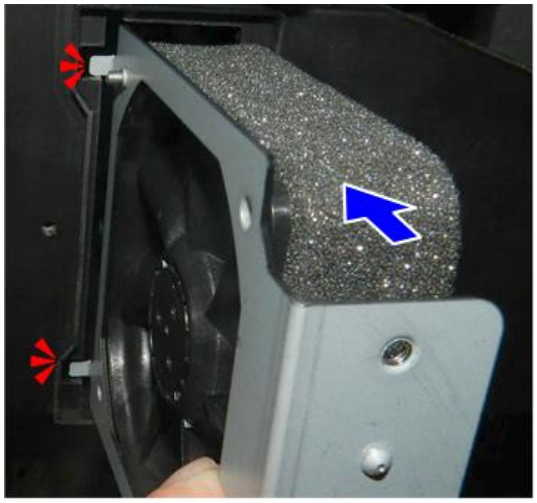
d270b4289

8. Separate fan [A] and bracket (x2).
9. When you re-assemble the fan and bracket, position the fan as shown with its label [B] up.



d270b4278

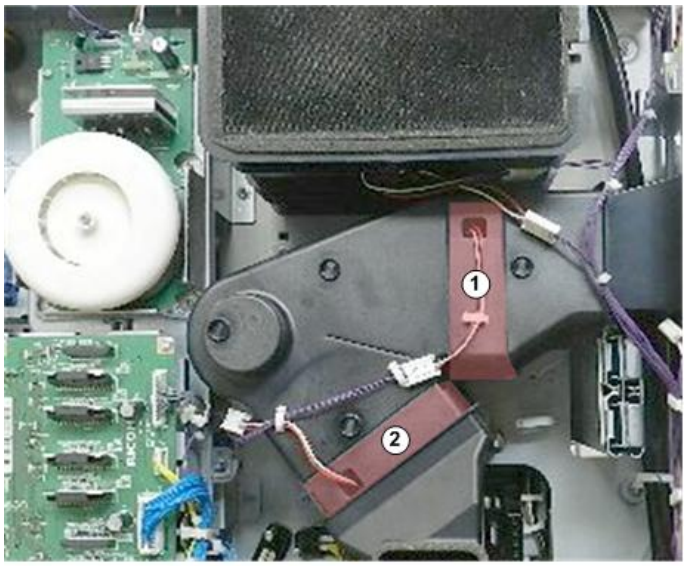
10. Align the tabs and slots on the left, and then slowly insert the fan bracket.



d270b4279

HP (Heat Pipe) Cooling Fans

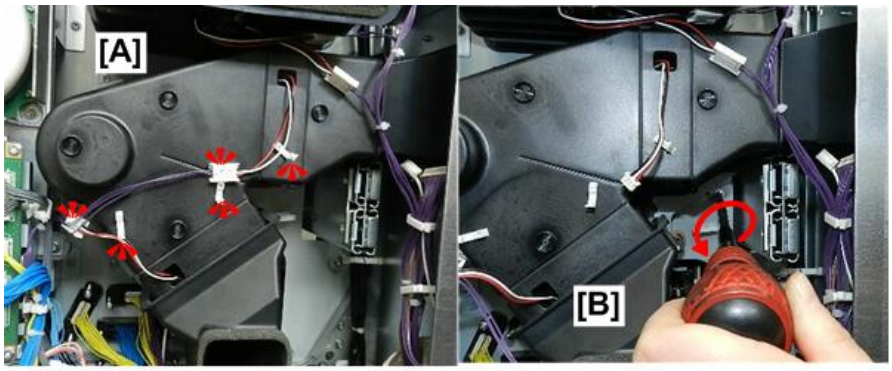
①	HP Cooling Suction Fan
②	HP Cooling Exhaust Fan



d1794250

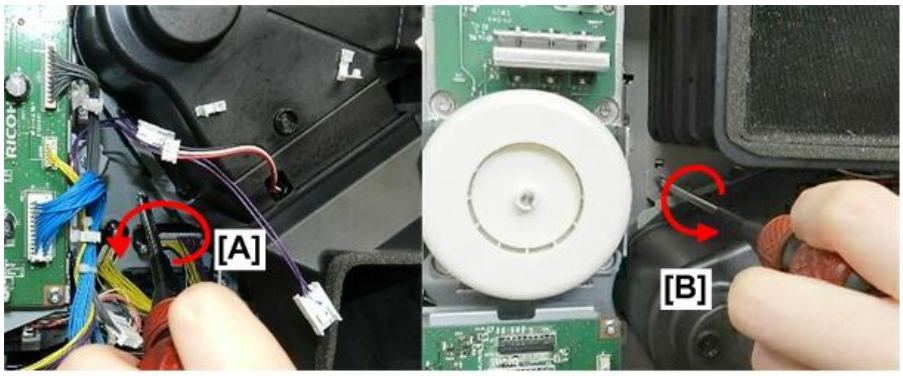
1. Remove the rear cover (Rear Cover)
2. Free the harnesses [A] (x3, x2).

3. Disconnect the duct at [B] (x1).



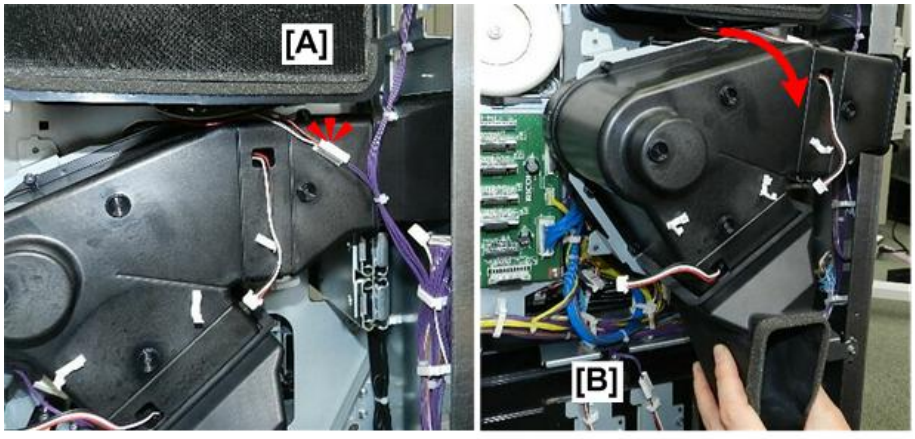
d1794251

4. Disconnect the duct at [A] and [B] (x2).



d1794252

5. Disconnect the harness [A] (x1).
6. Remove the duct [B] with fans inside.

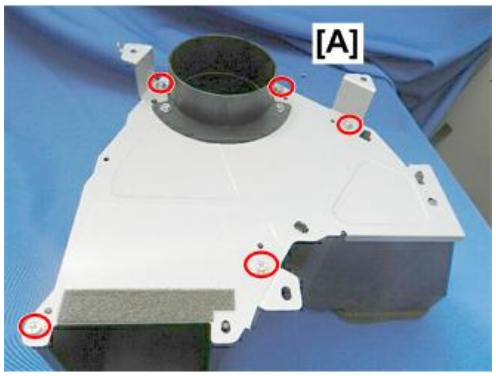


d1794253

①	HP Cooling Suction Fan
②	HP Cooling Exhaust Fan

d1794254

7. Lay the duct on a flat clean surface.
8. Remove screws (x5).
9. Remove the collar duct [A].



d1794255

10. Remove the fans.

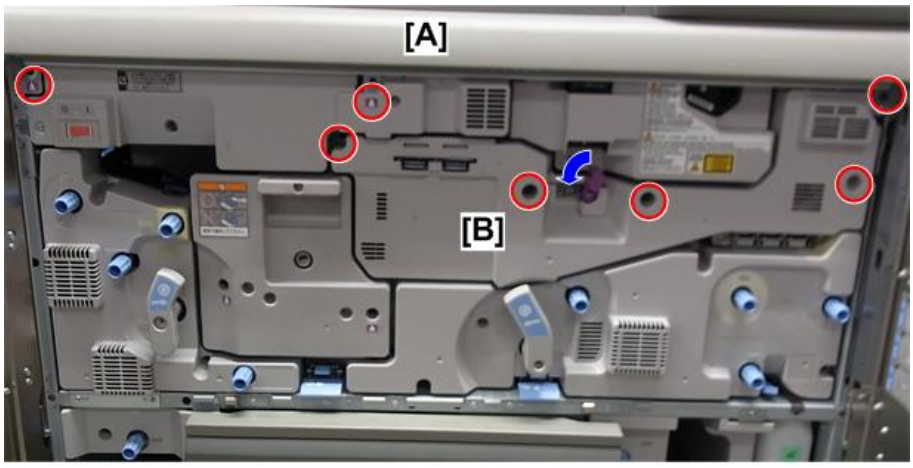
d1794256

11. Lay the fans on a flat clean surface.

d1794257

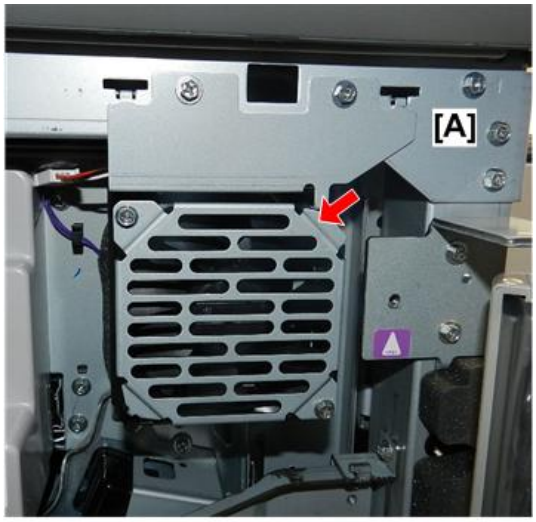
Laser Unit Cooling Fan

1. Open the front doors.
2. Remove the front edge cover [A] (3).
3. Remove the ITB unit cover [B] (x4).



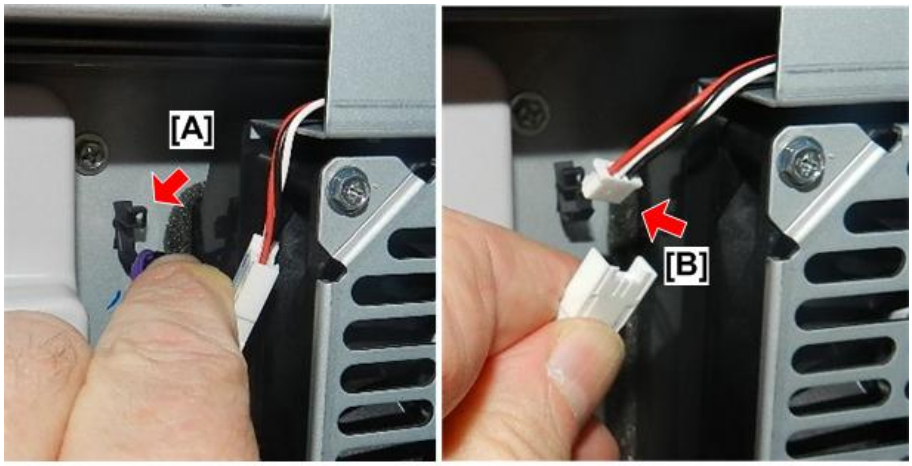
d270b4221

4. Locate the fan behind the cover at the upper right corner of the machine [A].



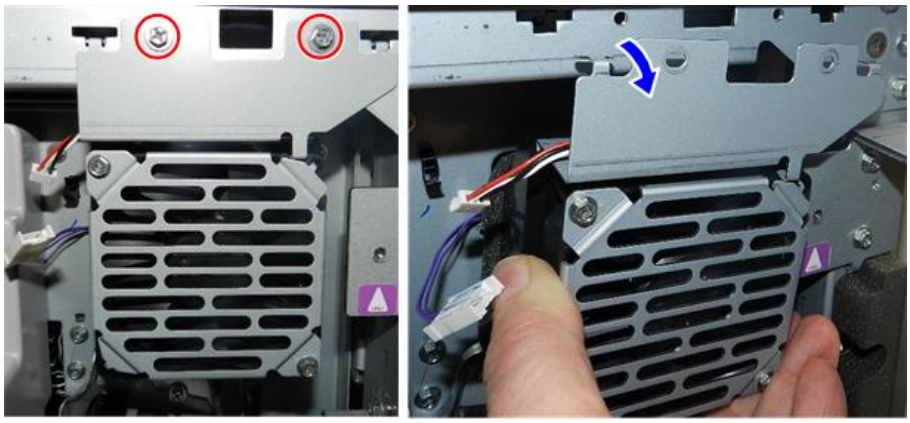
d270b4222

5. Disconnect the fan (x1, (x1).



d270b4223

6. Remove the fan bracket with fan attached (x2).

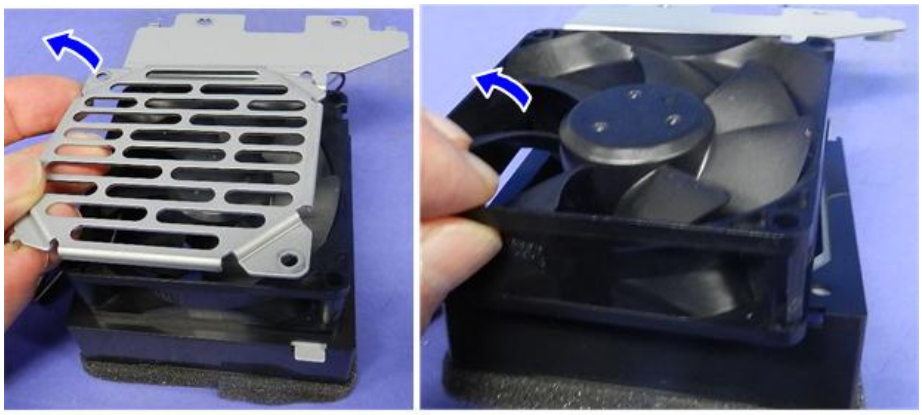


d270b4224

7. Free the fan harness, and then unfasten the cover (x2, x2).

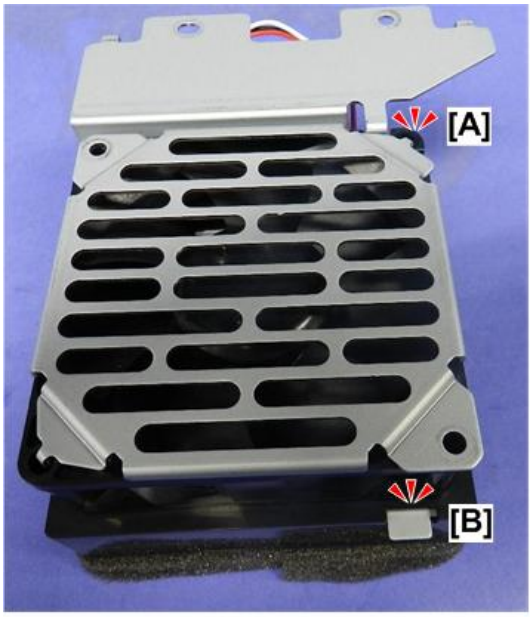
d270b4225

8. Remove the cover, and then remove the fan from the bracket.



d270b4226

9. When you re-assemble the fan and cover, set the tabs at [A] and [B].
10. Make sure the cover is perfectly flat against the fan.

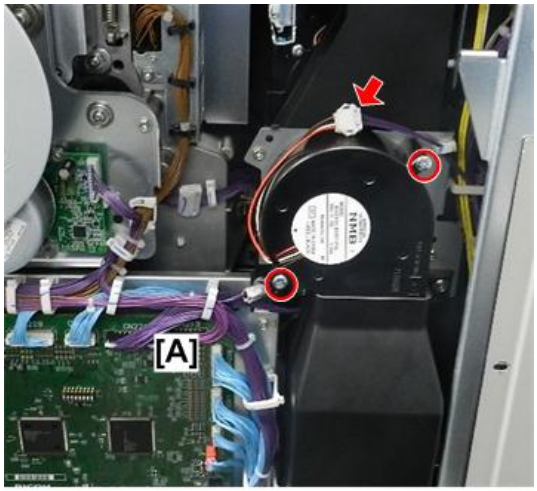


d270b4227

Ozone Air Exhaust Fan

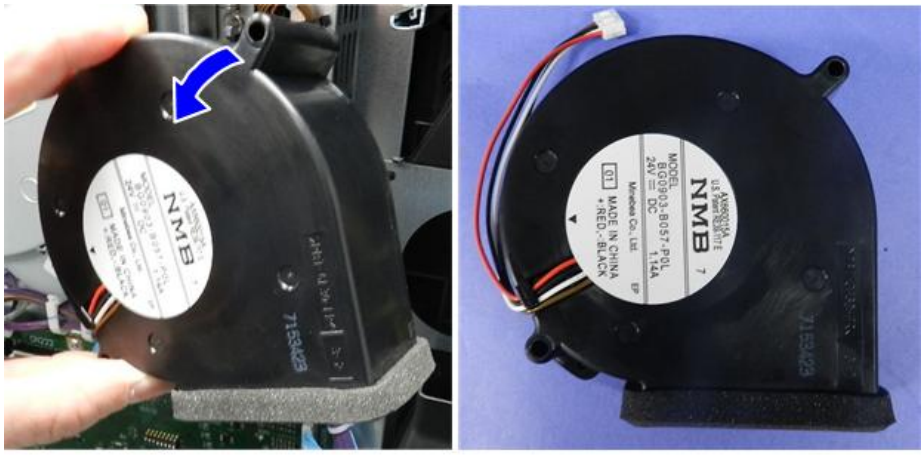
1. Open the controller box door. (Opening the Controller Box)

2. At the upper right corner of the IOB [A], disconnect the fan (x1, x1).



d270b4272

3. Remove the fan.

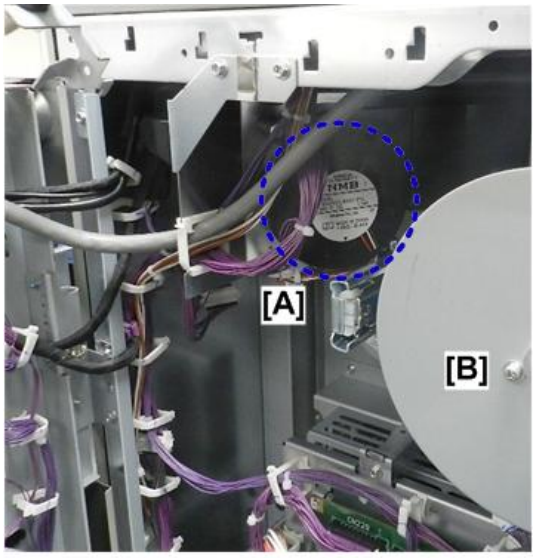


d270b4273

Ozone Air Intake Fan

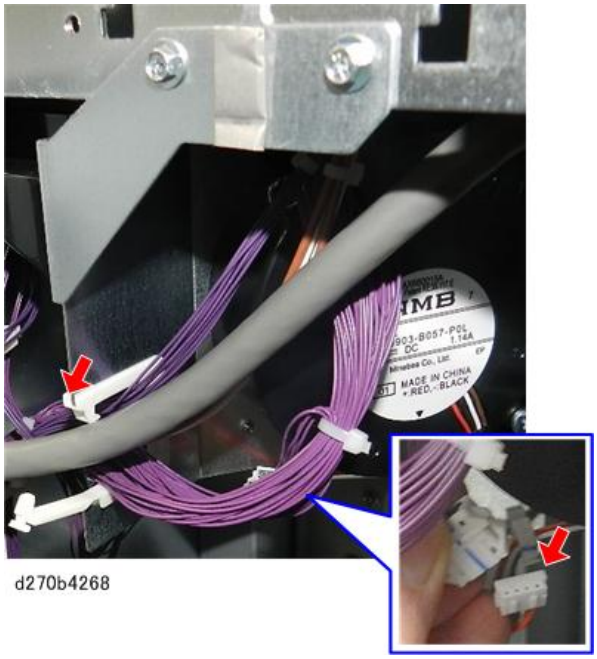
1. Open the controller box door. (Opening the Controller Box)

2. Locate the fan [A] at the right rear corner, to the left of the flywheel [B].



d270b4267

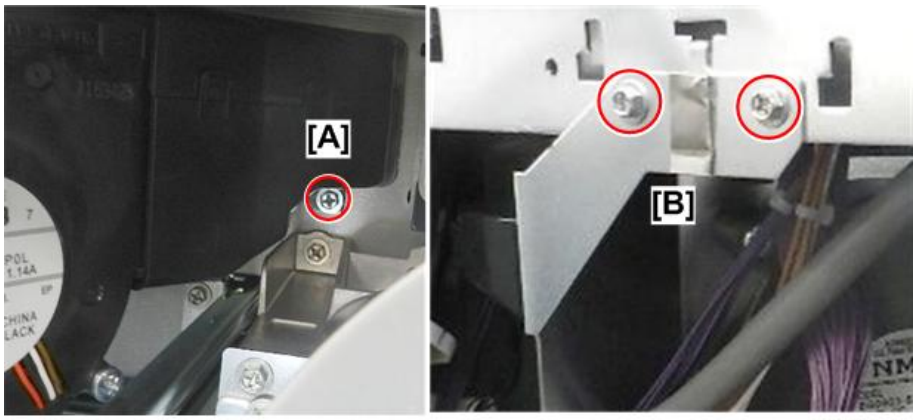
3. Free the harnesses and disconnect the motor (x1, x1).



d270b4268

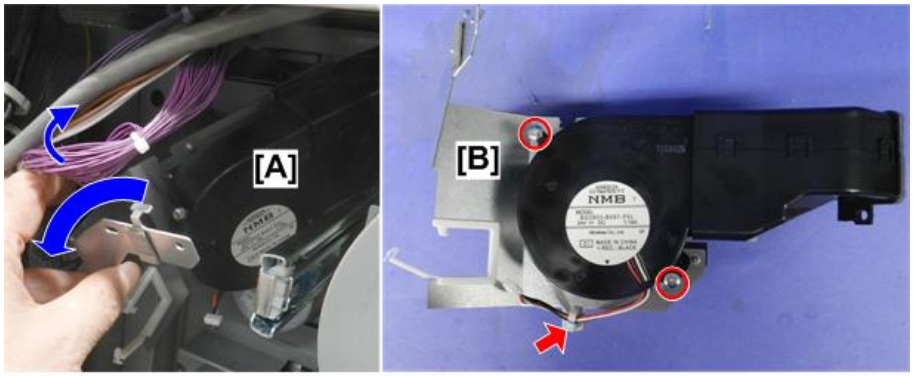
4. Inside the machine, disconnect the motor bracket (x1).

5. Above the motor, disconnect the motor bracket [B] (x2).



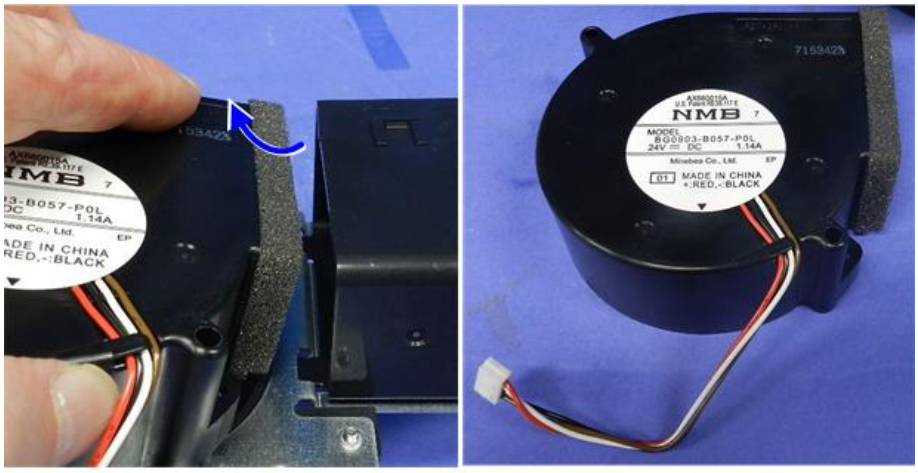
d270b4269

6. Slide the bracket with motor attached [A] out under the harnesses, and then disconnect the motor from the bracket [B] (x1, x2).



d270b4270

7. Disconnect the motor from the duct.



d270b4271

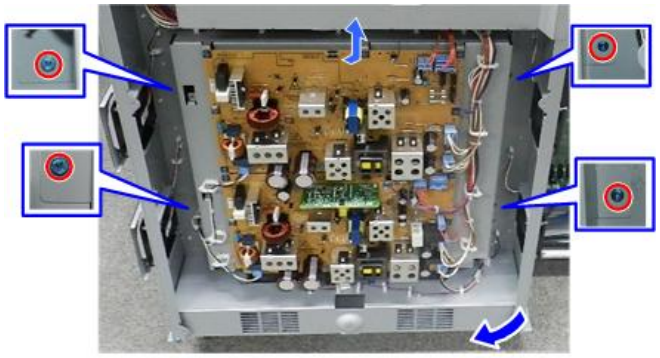
PSU Cooling Fan: T Right, T Left

1. Open the controller box. (Opening the Controller Box)

2. Remove the controller box cover and the inner cover. (Removing the Controller Box Cover, Inner Cover)

d270b4292

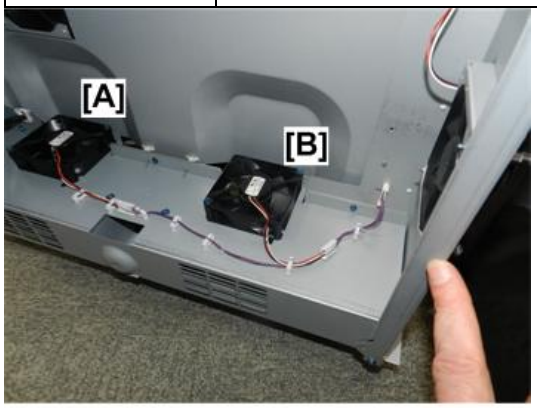
3. Disconnect the PSU mounting bracket (x4).



d270b4293

1. Swing the bracket with PSU attached slightly to the left so that you can see the fans. You do not need to disconnect or remove the PSU.

[A]	PSU Cooling Fan: T Right
[B]	PSU Cooling Fan: T Left



d270b4294

PSU Cooling Fan: T Right

1. Disconnect the fan (x2, x1, x2).

d270b4295

2. Remove the fan.

d270b4296

PSU Cooling Fan: T Left

1. Disconnect the fan (x1, x1, x2).

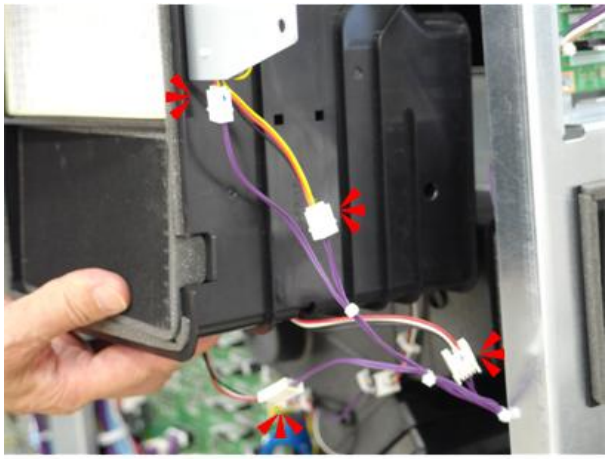
d270b4297

2. Remove the fan.

d270b4298

Rear Exhaust Fans

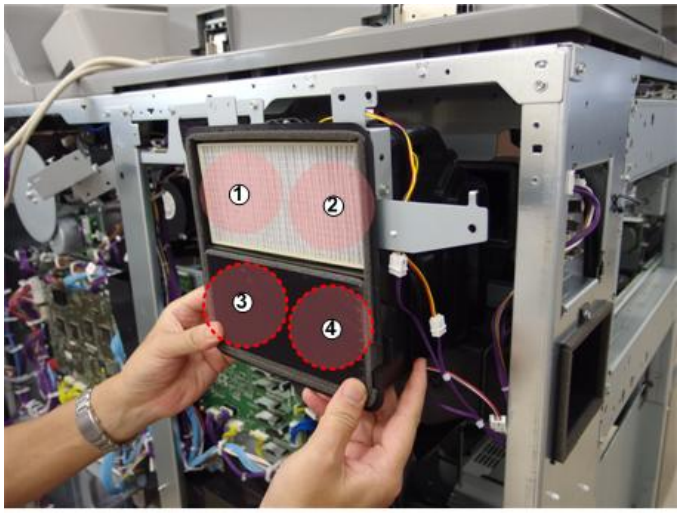
1. Remove the rear cover (Rear Cover)
2. Disconnect the fans (x4).



d1794244

3. Remove the fan housing.

①	Fusing Air Intake Fan: Lower Right
②	Fusing Air Intake Fan: Lower Left
③	Paper Exit Exhaust Fan: Lower Right
④	Paper Exit Exhaust Fan: Lower Left

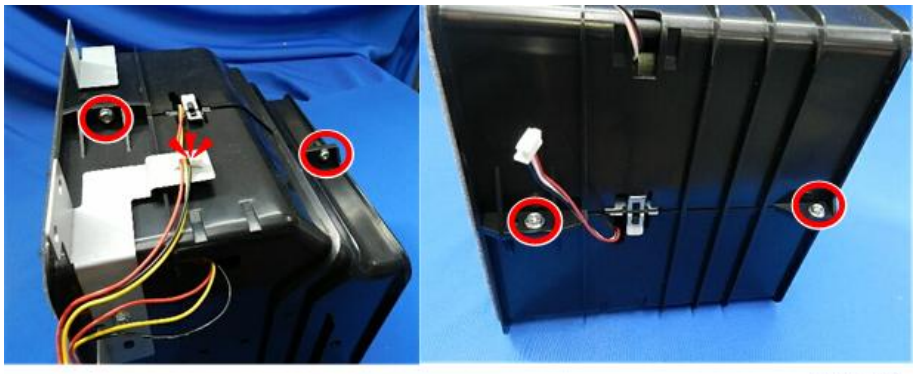


d1794243

4. Remove the ozone filter and air filter from the housing.

d1794247

5. Free the harness and unfasten the housing (x1, x4).

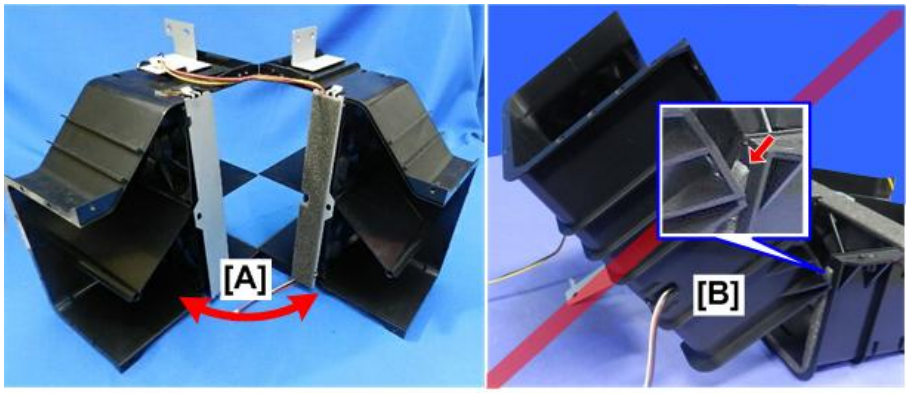


d1794246

6. Open the housing as shown [A].

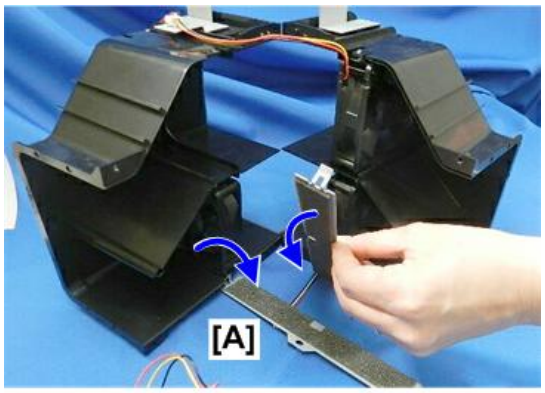
Important

- To prevent damaging the delicate seal strip, never break open the housing on its side as shown [B].



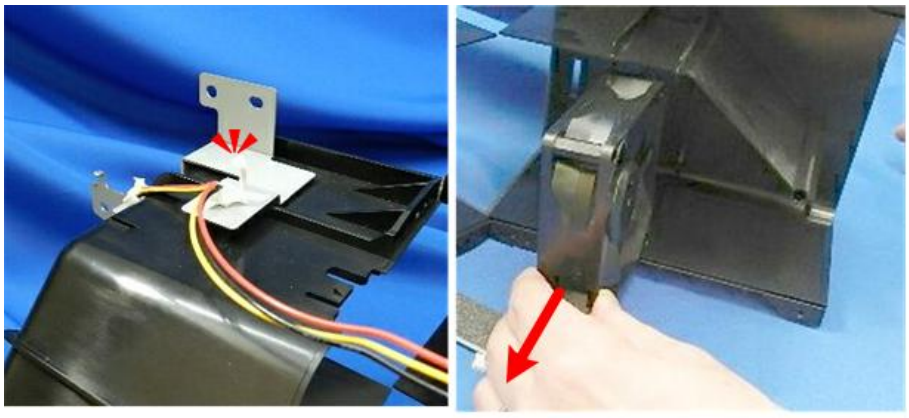
d270b4290

7. Remove the brackets [A].



d270b4291

8. Free the harness and remove the four fans.



d1794249

Important

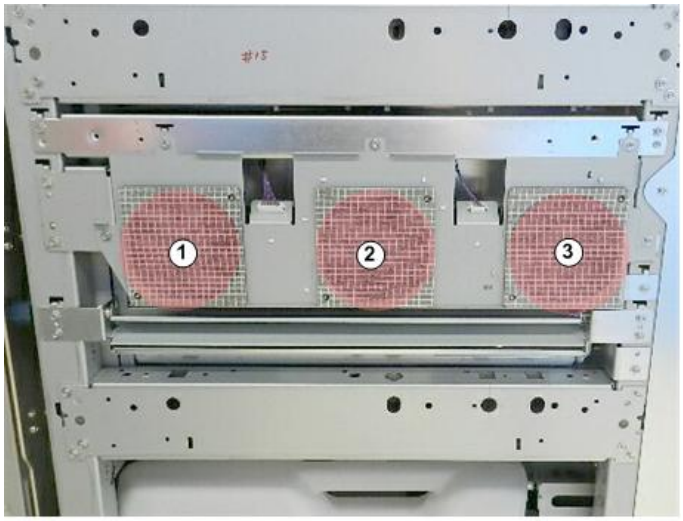
- Pay attention to the direction of the labels as you remove each fan. They must be re-installed with the labels facing the same direction.

Right Cover Fan Bracket

1. Remove the right cover. (Right Cover)

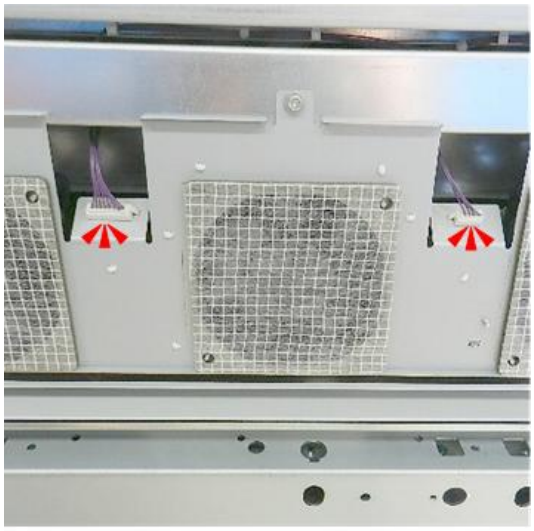
①	Right Air Intake Fan: Front
②	Right Air Intake Fan: Center

③	Right Air Intake Fan: Rear



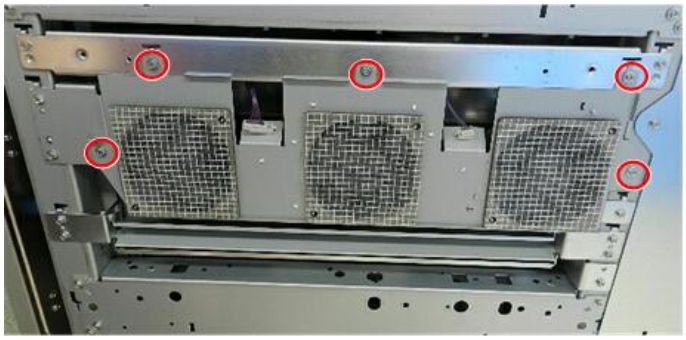
d1794280

1. Disconnect the fans (x2).



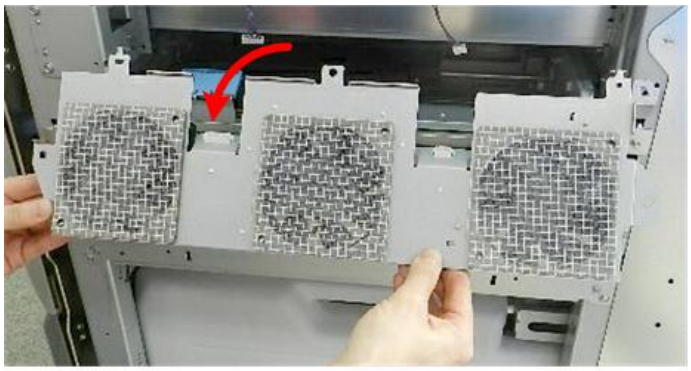
d1794281

2. Disconnect the fan bracket (x5).



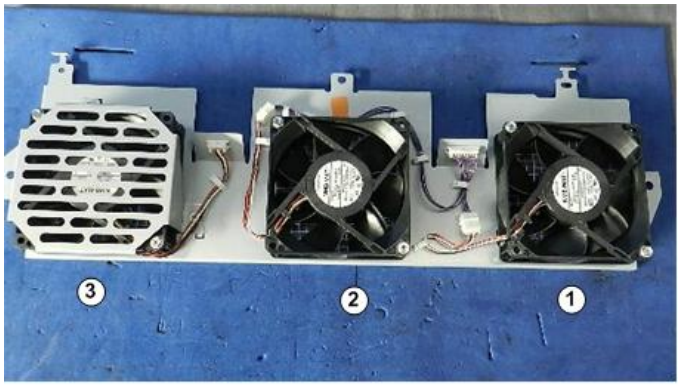
d1794282

3. Remove the bracket (with fans attached).



d1794283

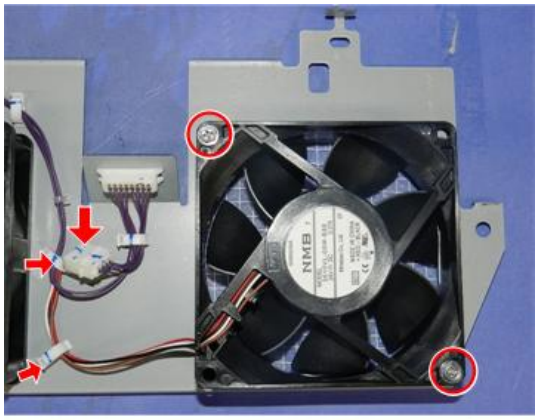
①	Right Air Intake Fan: Front
②	Right Air Intake Fan: Center
③	Right Air Intake Fan: Rear



d1794284

Right Air Intake Fan: Front

1. Remove the right cover fan bracket. (See above.)
2. Disconnect the fan motor (x2, x1, x2).



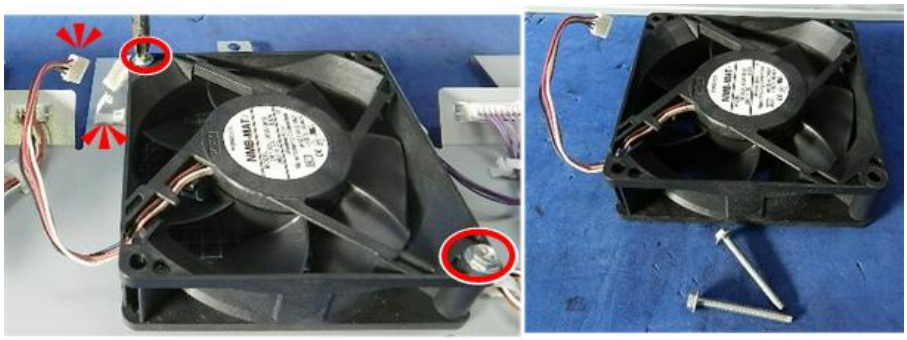
d270b4323

3. Remove the fan motor.

d1794286

Right Air Intake Fan: Center

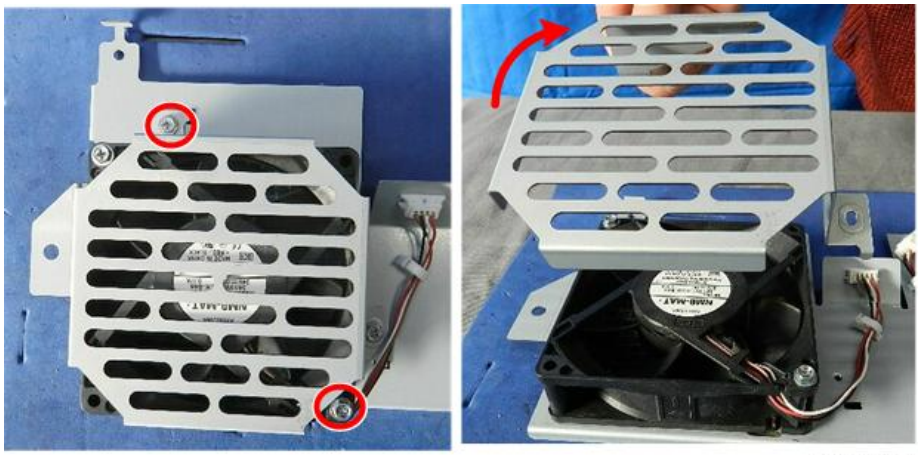
1. Remove the right cover fan bracket. (See above.)
2. Disconnect the fan motor (x1, x1, x2).



d1794287

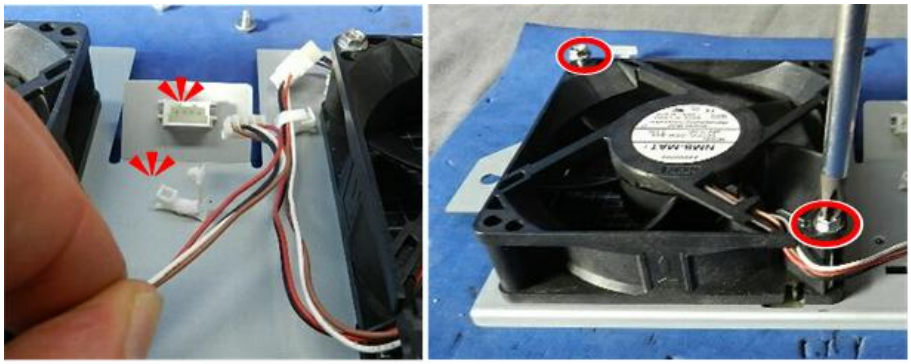
Right Air Intake Fan: Rear

1. Remove the right cover fan bracket. (See above.)
2. Remove the cage (x2).



d1794288

3. Disconnect the fan (x1, x1, x2).



d1794289

4. Remove the fan.

d1794290

Boards, HDD, Breaker Switch

Here is a list of the boards that can be replaced. Numbers 14 to 18 are difficult to access. Refer to the appropriate sections listed under "Comments".

No.	Board	Location	Comments
1	AC Drive Board	Main Left Side	
2	CGB Power Pack	Main Rear	
3	EDRB	Main Rear	
4	IOB	Main Rear	
5	RYB	Main Rear	
6	BCU	Controller Box	
7	CNB	Controller Box	
8	HDD	Controller Box	
9	IPU Sub Board	Controller Box	Copier model only
10	IPU-Controller Board	Controller Box	
11	PSU-A	Controller Box	
12	PSU-B	Controller Box	
13	PSU-C	Controller Box	
14	CRB (CIS)	Registration Unit	(CIS Removal)
15	DRB	Registration Unit	(DRB, TE Shift Unit Motor, TE Shift Unit HP Sensor)
16	Paper Separation PP	PTR Unit	(Paper Separation Power Pack)
17	TDRB	ITB Unit	(TDRB)
18	Transfer PP	ITB Unit	(Transfer Power Pack)

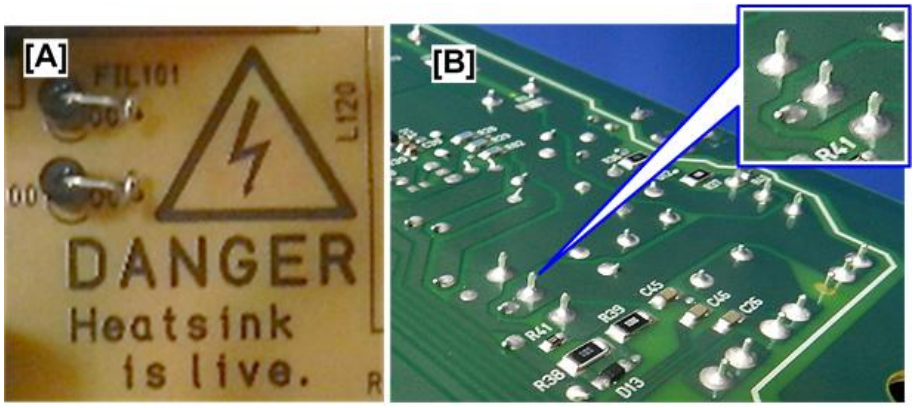
Main Unit

AC Drive

A heat sink or condenser can retain a considerable electrical charge after the machine has been turned off and remained idle for hours and even days.

- Warnings are printed on the front of the boards [A] near components that can retain residual charge.
- Some of the soldered contacts on the backs of the boards [B] are extremely sharp and can cut or puncture

your fingers, as well as cause an electric shock.



d270b3757

⚠DANGER

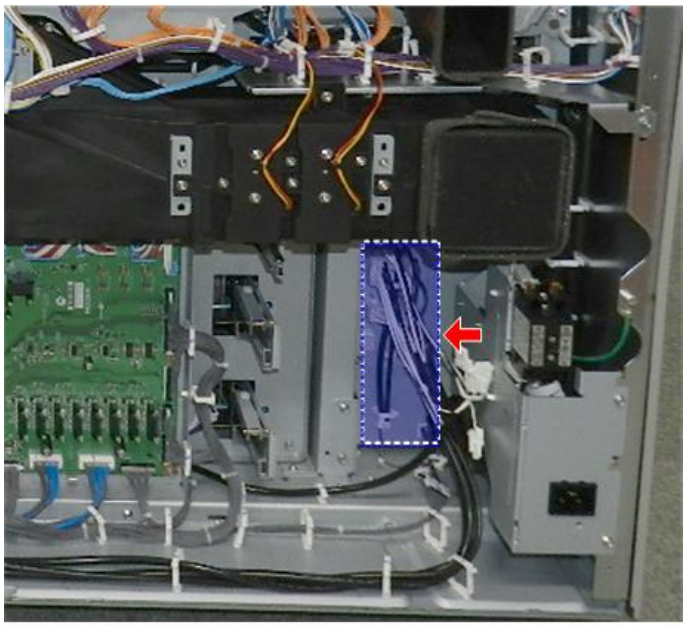
- To avoid electrical shocks, handle boards by their edges and never touch **any** component on the board with your bare hand or a tool, especially one of the heat sinks or capacitors.
- Always keep the rear covers on the machine. Never leave the covers off during machine testing, or while the machine is idle during servicing.

Important

- Turn the machine off and allow it to cool for at least 10 min. before you remove the AC drive board.
- Avoid touching the heat shield of the board.
- The tube fuses on the board are the ceramic type. You cannot visually inspect a fuse to determine if it has blown.

1. Remove the rear cover

2. The AC drive board extends from rear to front along the bottom left side of the machine.

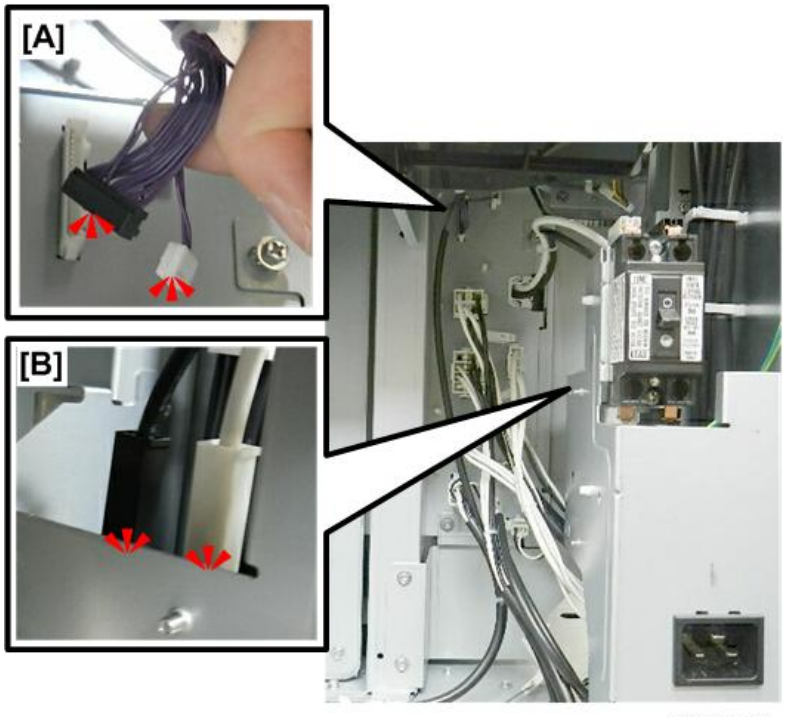


d270b5301

3. At the lower left corner, disconnect:

   [A] Harnesses (x2)

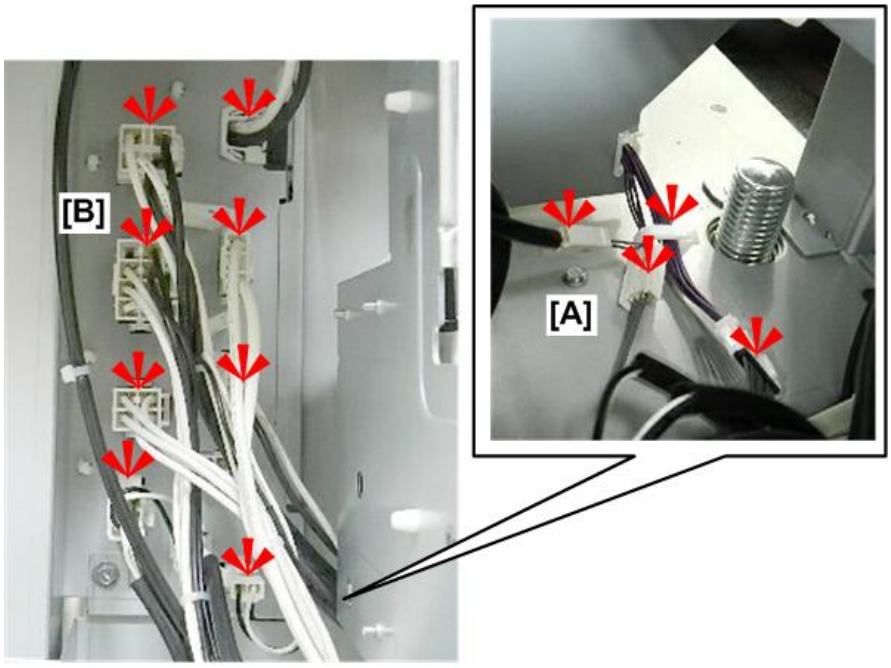
   [B] Noise filter (x2)



d1794302

4. At the bottom, disconnect harnesses [A] (x1, x3).

5. Disconnect the back of the drive board [B] (x8).



d1794303

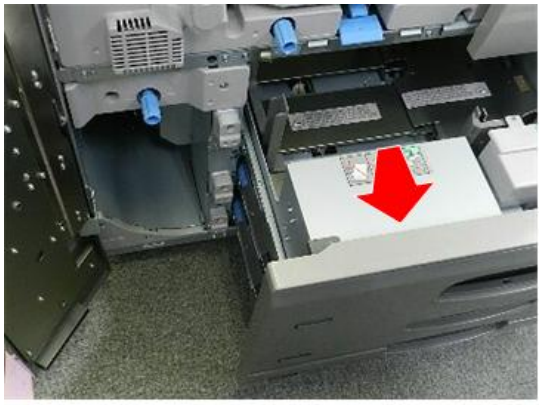
Important

- Be sure to note which connectors are connected and which are not. The anti-condensation heaters may or may not be connected, depending on ambient temperature and humidity at the work site.

6. Disconnect the back of the drive board (x2).

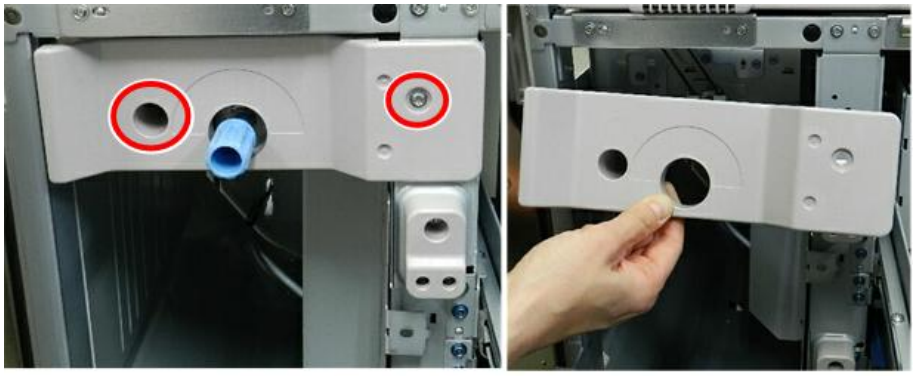
d1794304

7. At the front, pull out the paper trays.



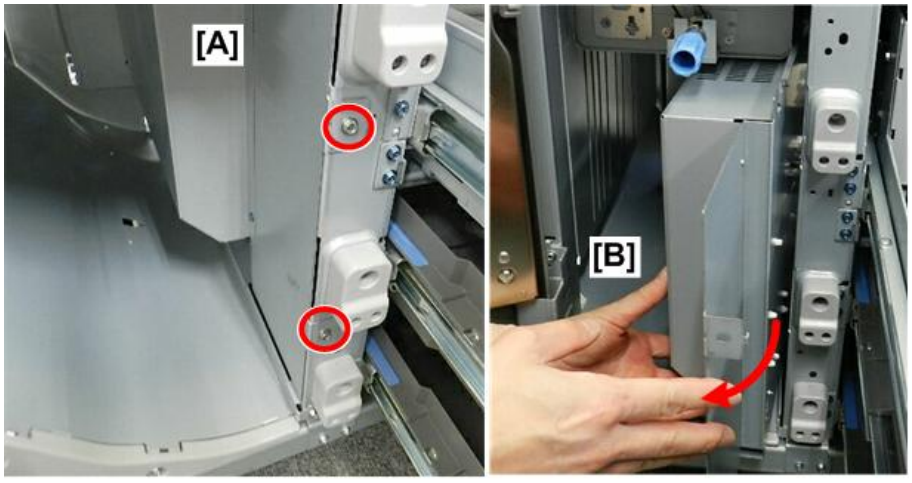
d1794305

8. Remove the cover (x2).



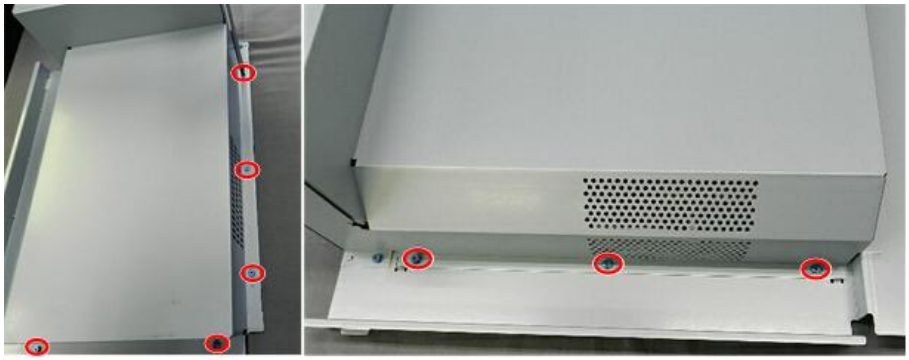
d1794306

9. Disconnect the front end of the drive board [A] (x2).
10. Remove the AC drive board [B].



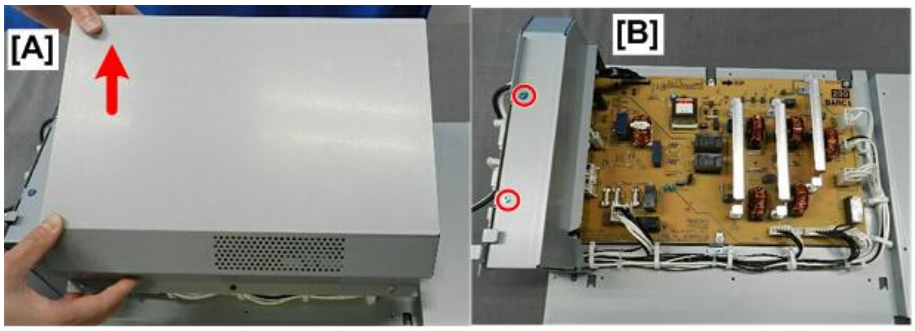
d1794307

11. Disconnect the drive board shield cover (x8).



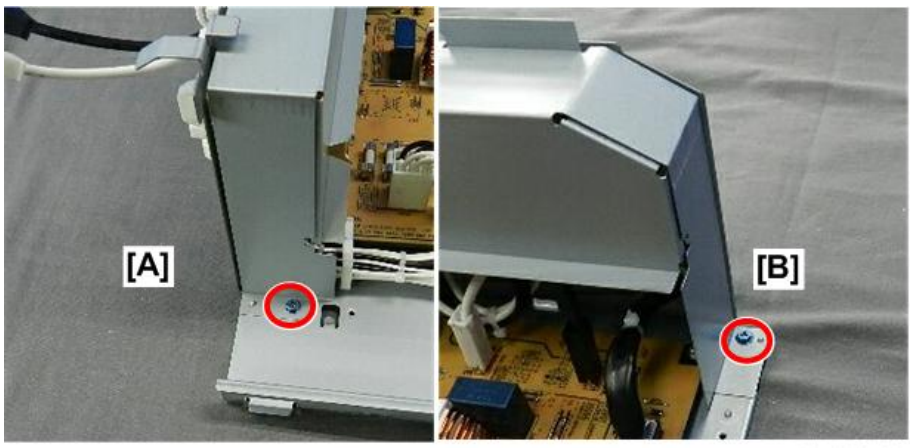
d1794308

12. Remove the cover [A].
13. Disconnect the top of the cover at [B] (x2).



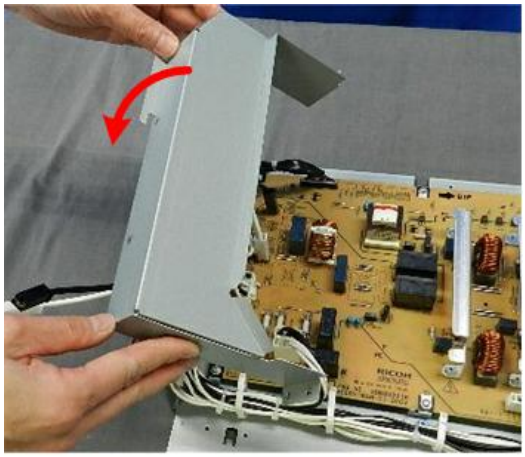
d1794309

14. Disconnect the top and bottom of the cover at [A] and [B] (x2).



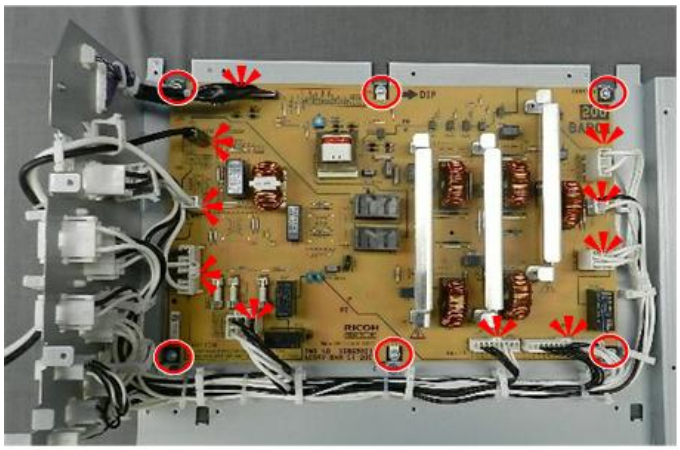
d1794310

15. Remove the cover.



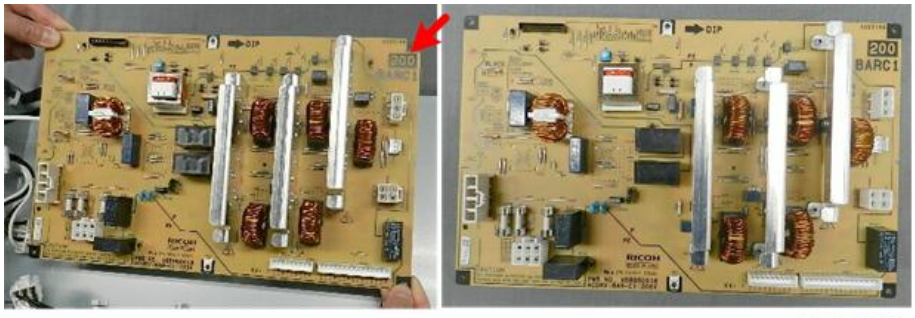
d1794311

16. Disconnect the board (x10,x6).



d1794312

17. Remove the board. The rated voltage of the board is marked in the upper right corner.

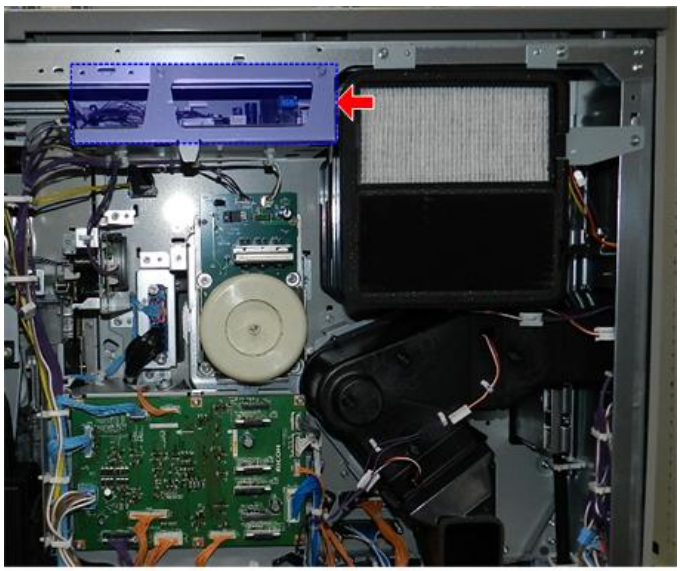


d1794313

CGB Power Pack

1. Remove the rear cover.

2. The CGB (Charge Grid Bias) power pack is located at the rear edge of the machine.

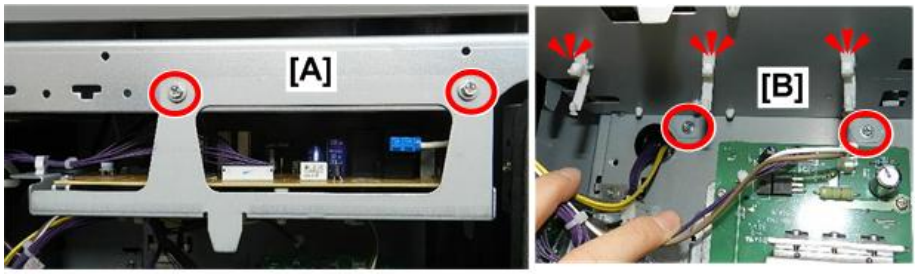


d270b5317

3. Disconnect:

[A] Top of the bracket (x2)

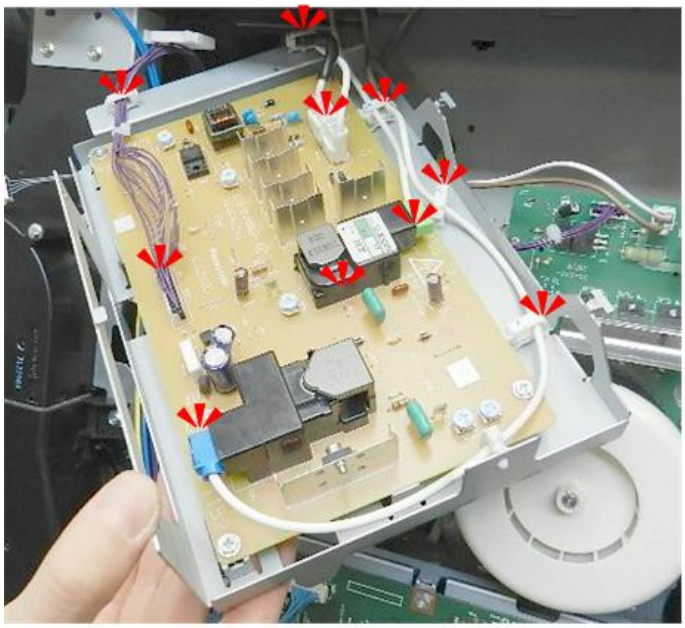
[B] Bottom of the bracket (x3,x3)



d1794318

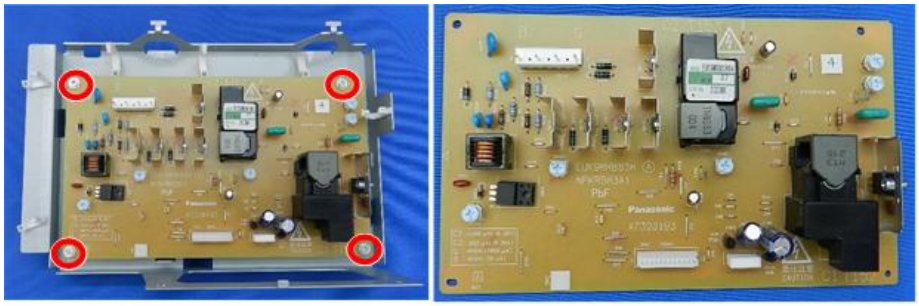
4. Pull the bracket (with board attached) partially out of the machine.

5. Disconnect the board (x6, x4).



d1794319

6. Separate board from bracket (x4).

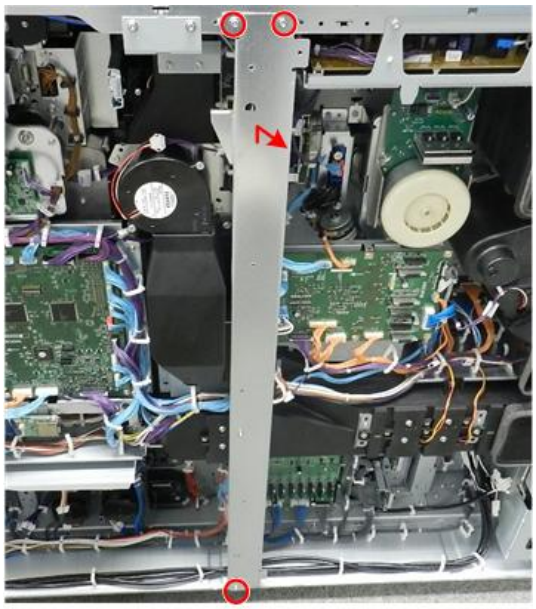


d1794320

EDRB

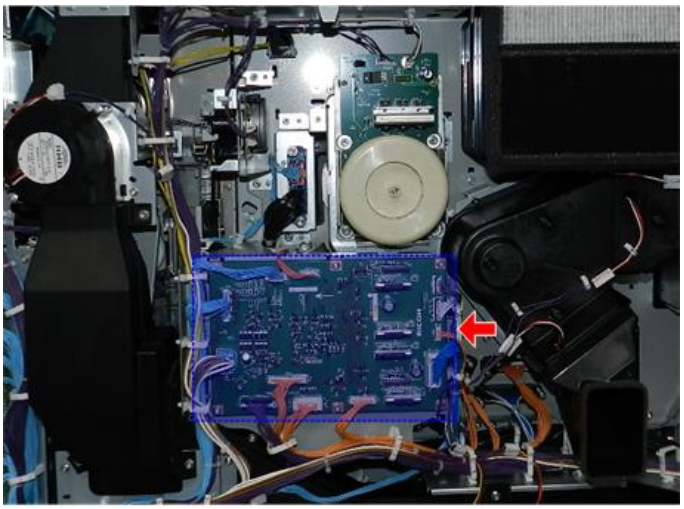
1. Open the controller box door. (Opening the Controller Box)
2. Remove the rear cover (x7). (Rear Cover)

3. Remove the rear vertical stay (x3).



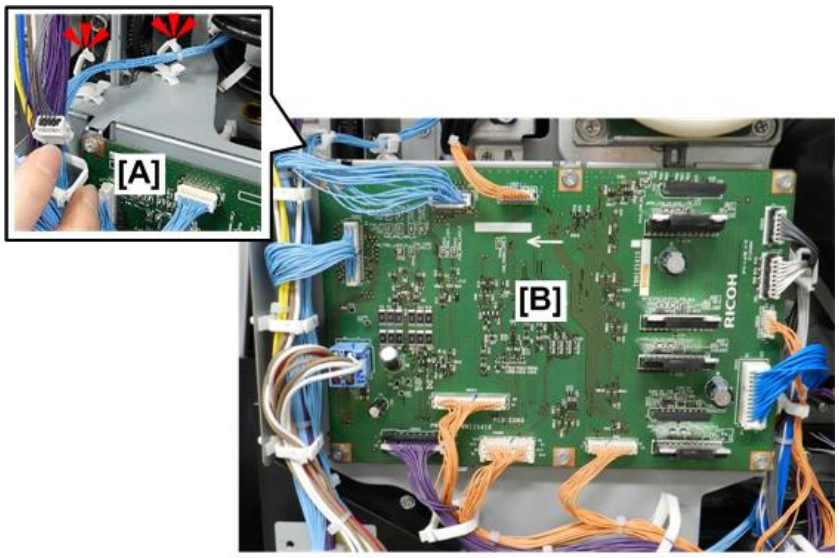
d270b4238

4. The EDRB is near the center of the back of the machine.



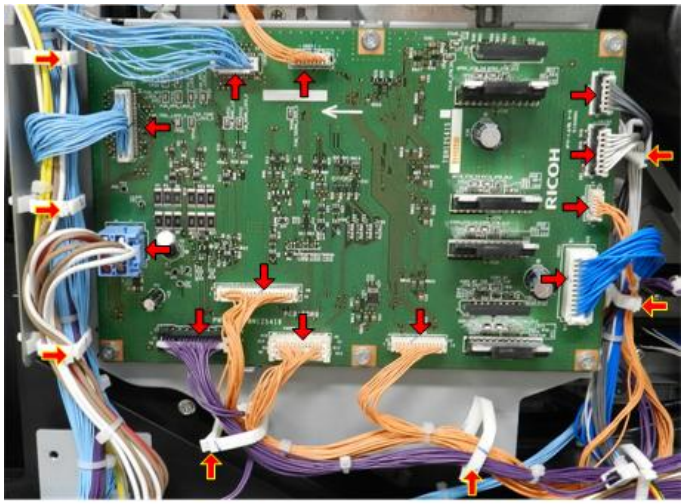
d270b5321

5. At the upper right corner [A] of the EDRB [B], free the harness [x2].



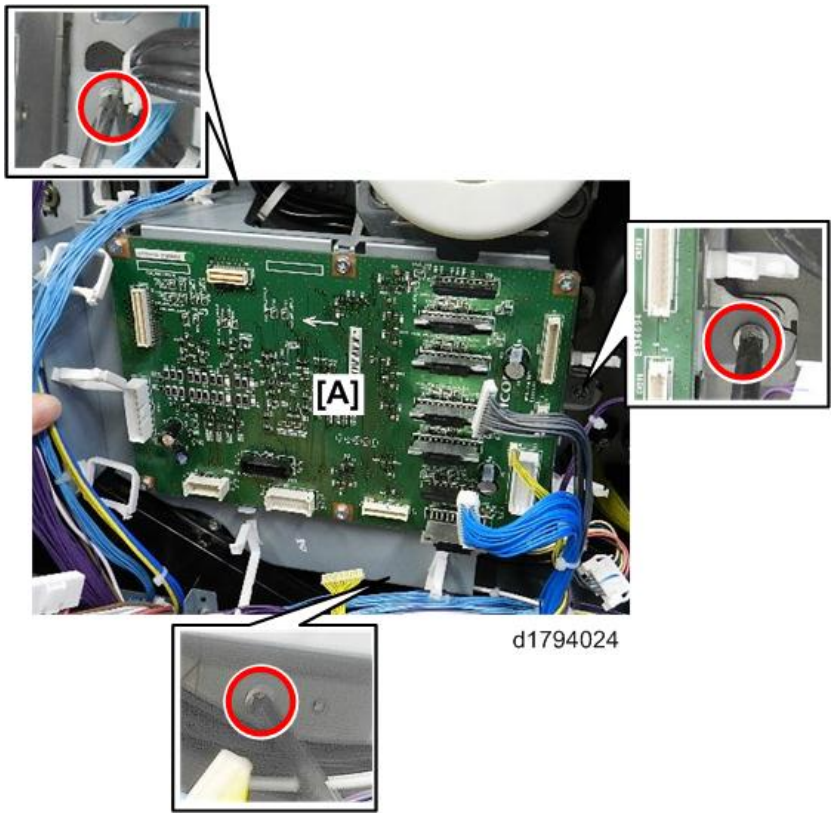
d270b5022

6. Disconnect the EDRB (x7, x12).



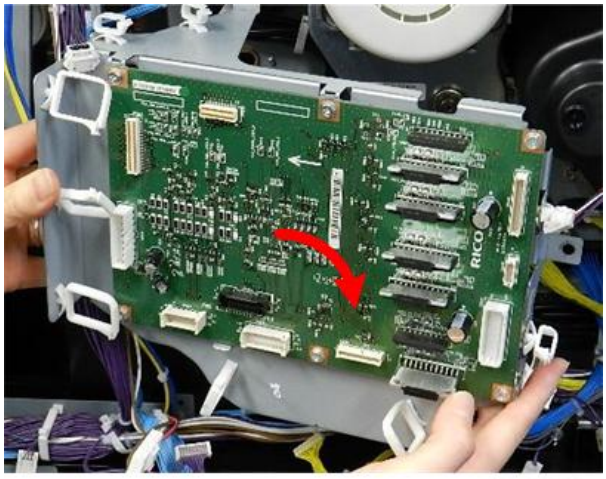
d270b5023

7. Disconnect the EDRB bracket [A] (x3).



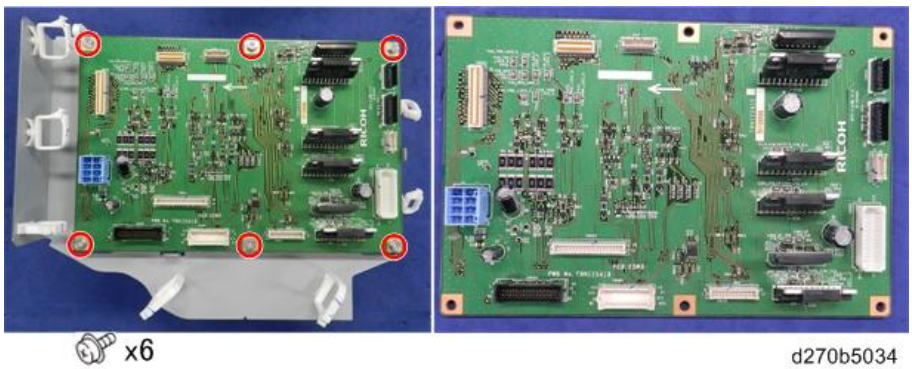
d1794024

8. Remove the EDRB bracket (with PCB attached).



d1794025

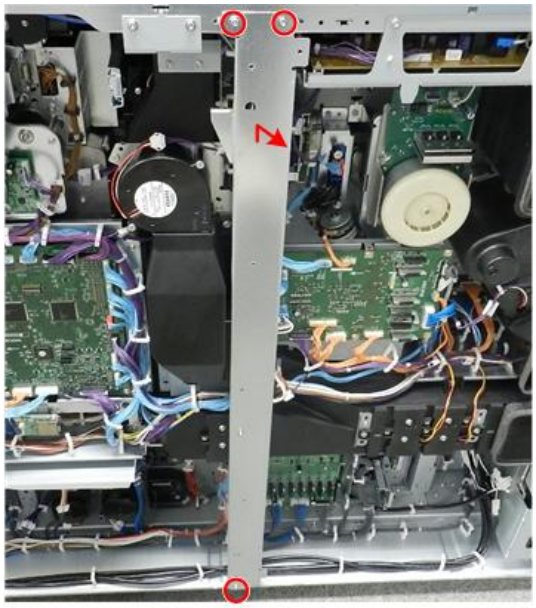
9. Remove the board from the bracket (x3).



d270b5034

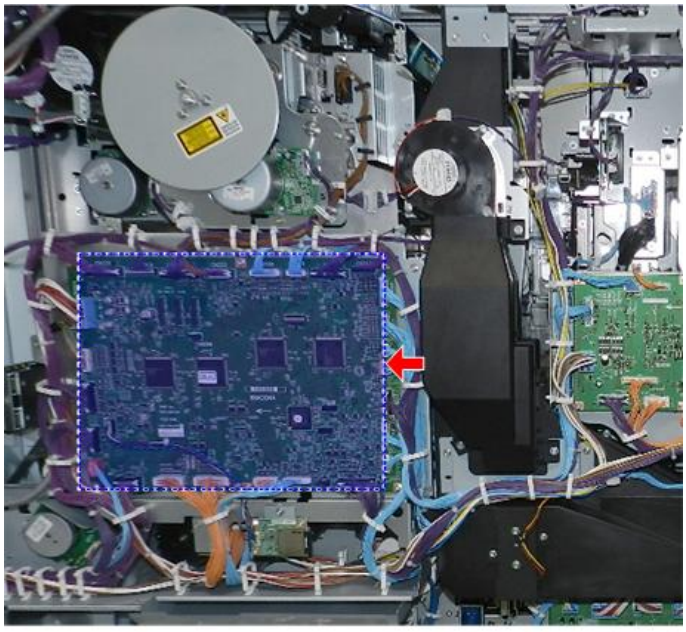
IOB

1. Open the controller box (Opening the Controller Box)
2. Remove the rear cover (Rear Cover)
3. Remove the vertical stay (x2)



d270b4238

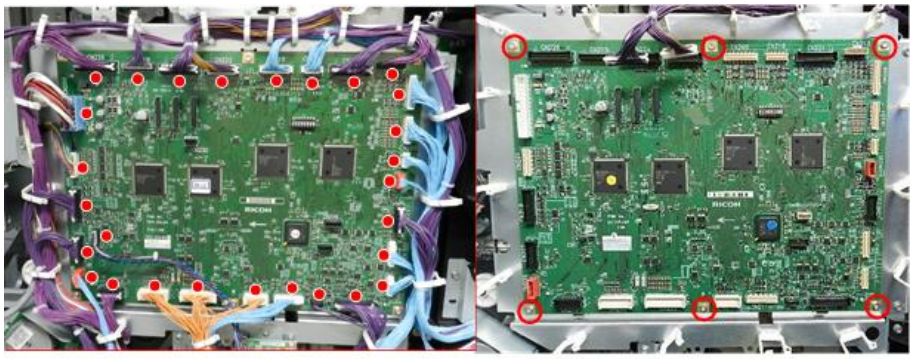
4. The IOB is on the back of the machine below the flywheel.



d270b5324

5. Disconnect the board (x17, x28).

6. Disconnect the board from its bracket (x6)



d270b5325

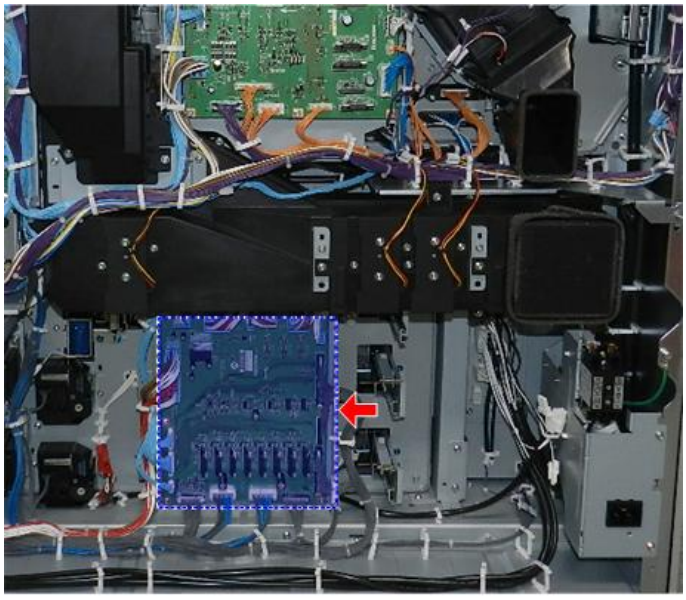
7. If you are replacing the IOB:
   - Note the positions of the DIP switches on the old board.
   - Set the DIP switches on the new board in the same way. (The switches may be different according to your geographical area.)

d1794293

RYB (Relay Board)

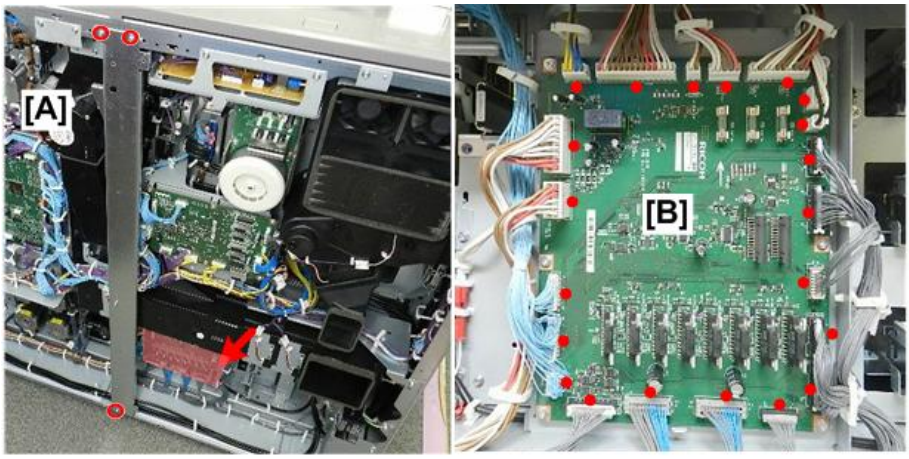
1. Open the controller box.
2. Remove the rear cover.

3. The RYB is at the bottom of the back of the machine, below the horizontal duct.



d270b5328

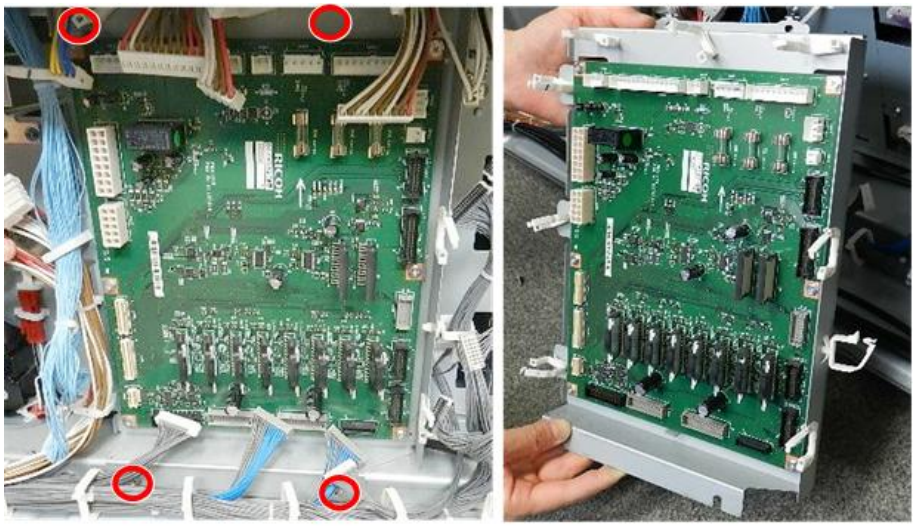
4. Remove the vertical stay [A] (x3).
5. Disconnect the board [B] (x9, x21).



d1794329

6. Disconnect the bracket (x4).

7. Remove the bracket (with board attached).



d1794330

8. Separate board from bracket (x6).

d1794331

PSU-A, B, C

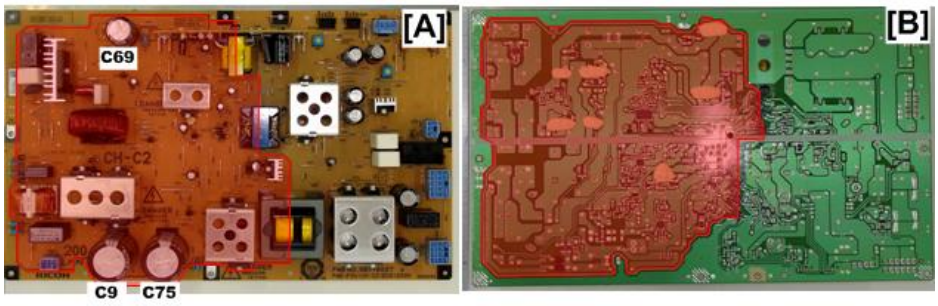
PSU-A

⚠CAUTION

To prevent electrical shock caused by residual voltage, never touch the areas outlined in red on the front [A] and back side [B] of the board.

Residual charge of about 100 to 400V remains in the AC circuits on the PSU board for several months, even after the machine has been turned off and disconnected from the power source, or after the board has been removed from the machine.

The procedure to discharge residual voltage from the boards by unplugging the power cord from the power source and pressing the main power switch works only for the DC circuits. Residual charge remains in the AC circuits.

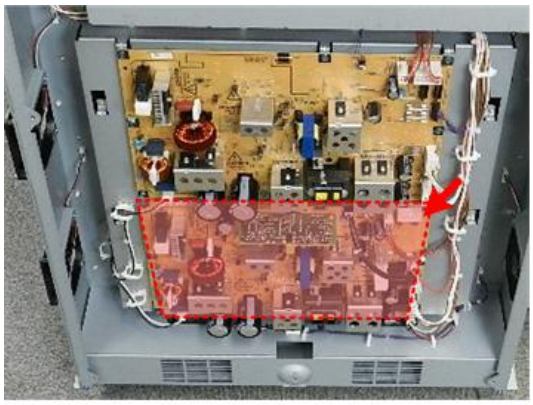


d270b4801

Note

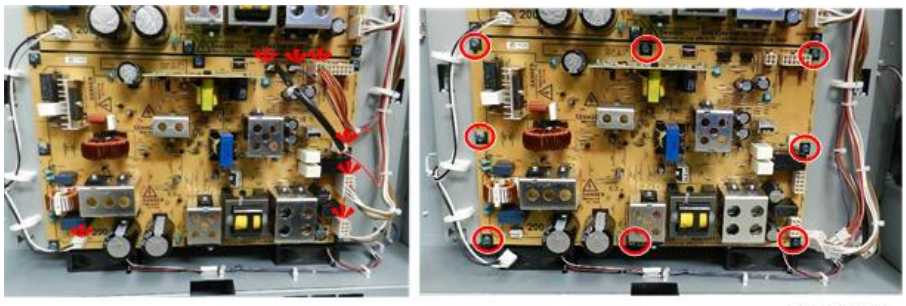
- A bracket is not attached to a replacement for PSU-A. The board is removed directly from the machine.

1. Remove the controller box cover (Removing the Controller Box Cover, Inner Cover)
2. PSU-A is the lower board.



d1794332

3. Disconnect the board (x7, x8)



d1794333

4. Remove the board.

d1794334

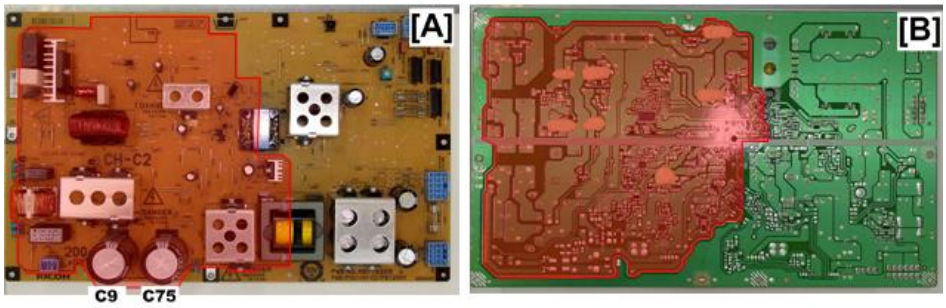
PSU-B

⚠CAUTION

To prevent electrical shock caused by residual voltage, never touch the areas outlined in red on the front [A] and back side [B] of the board.

Residual charge of about 100 to 400V remains in the AC circuits on the PSU board for several months, even after the machine has been turned off and disconnected from the power source, or after the board has been removed from the machine.

The procedure to discharge residual voltage from the boards by unplugging the power cord from the power source and pressing the main power switch works only for the DC circuits. Residual charge remains in the AC circuits.



d270b4802

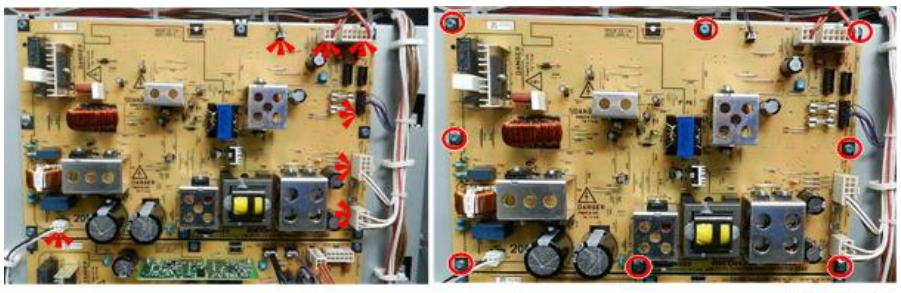
Note

- A bracket is not attached to a replacement for PSU-B. The board is removed directly from the machine.

1. Remove the controller box cover (Removing the Controller Box Cover, Inner Cover)
2. PSU-B is the upper board.

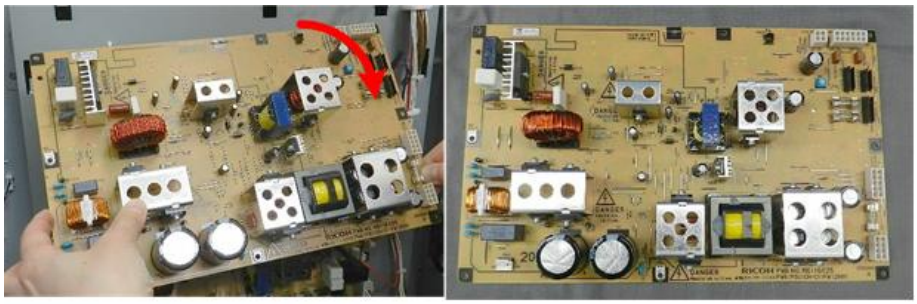
d1794335

3. Disconnect the boards (x7,x8)



d1794336

4. Remove the board.



d1794337

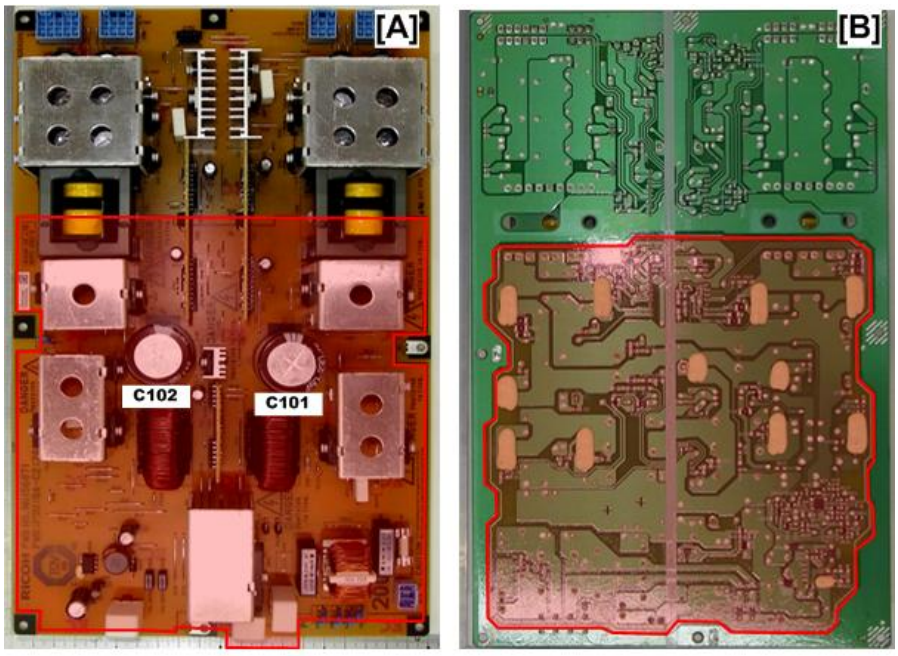
PSU-C

⚠CAUTION

To prevent electrical shock caused by residual voltage, never touch the areas outlined in red on the front [A] and back side [B] of the board.

Residual charge of about 100 to 400V remains in the AC circuits on the PSU board for several months, even after the machine has been turned off and disconnected from the power source, or after the board has been removed from the machine.

The procedure to discharge residual voltage from the boards by unplugging the power cord from the power source and pressing the main power switch works only for the DC circuits. Residual charge remains in the AC circuits.

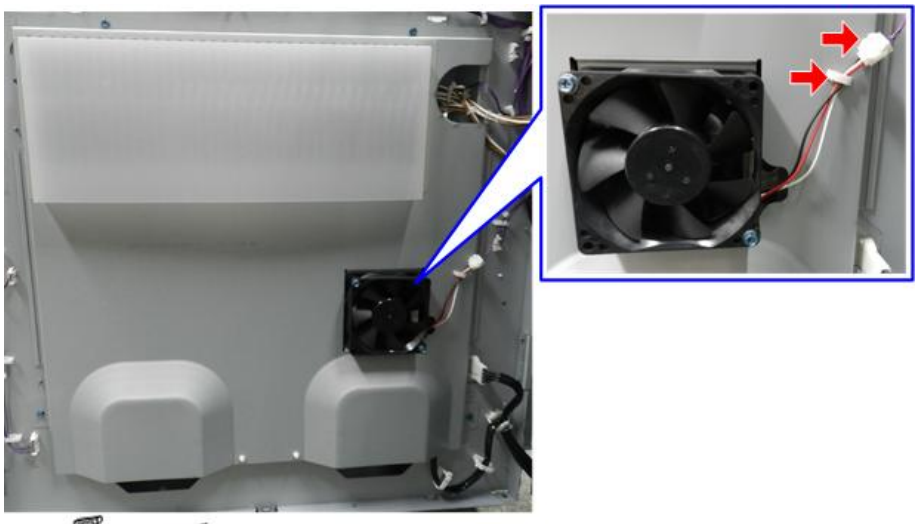


d270b4803

1. Open the controller box. (Opening the Controller Box)

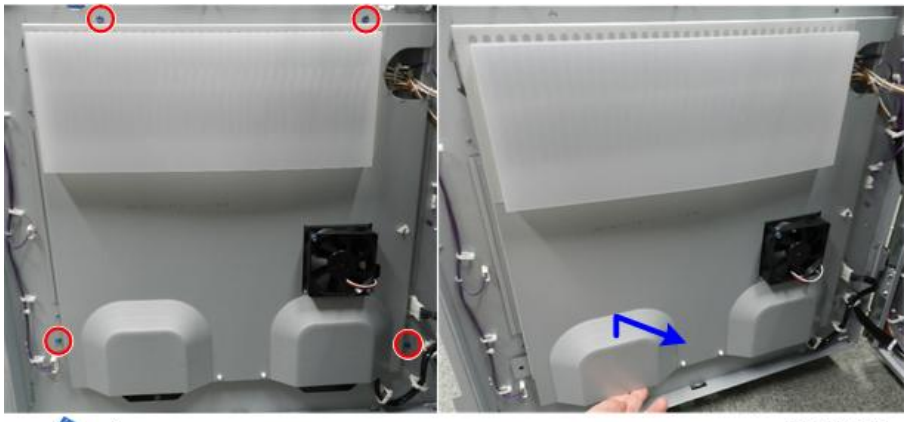
d270b5338

2. Disconnect the fan (x1, x1)



x1 x1 d270b5339

3. Remove the cover (x4).

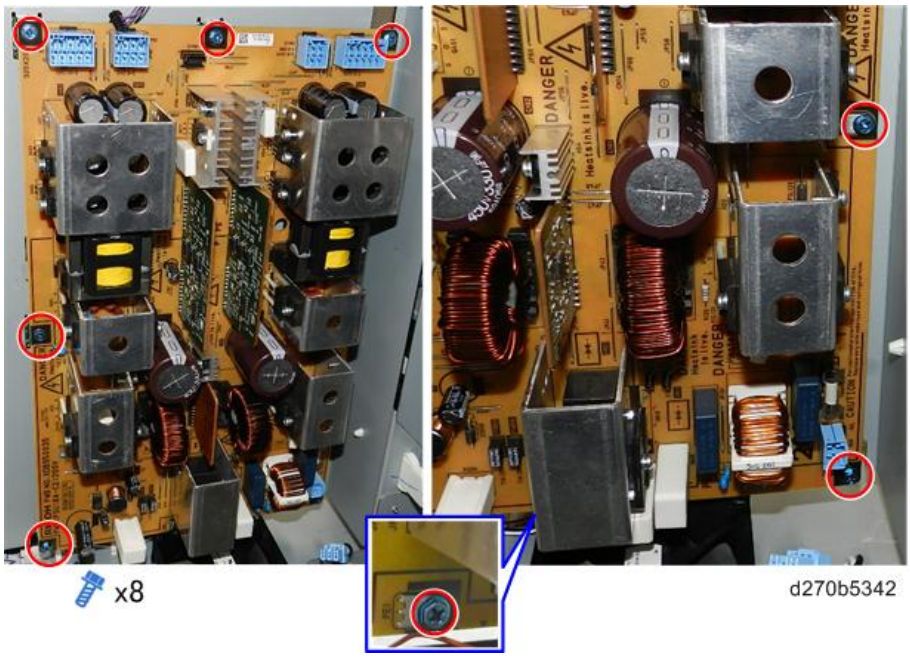


Note

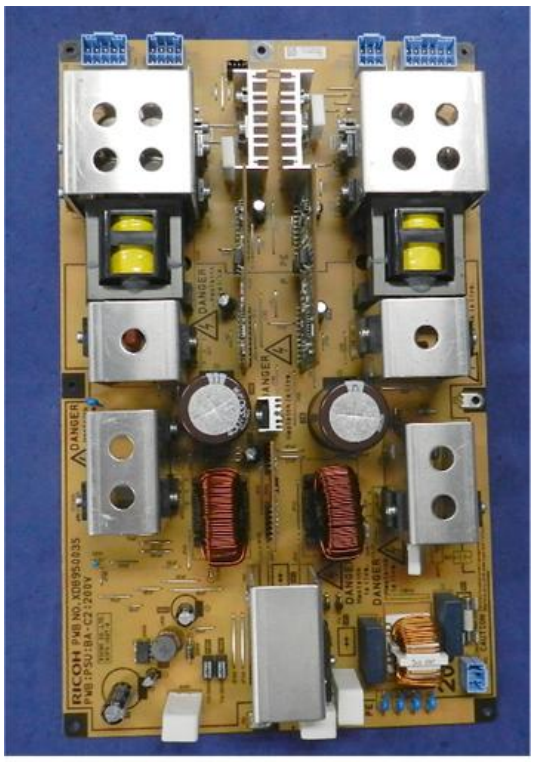
PSU-C has no mounting bracket. It is mounted directly to the frame of the controller box. Remove the board from the frame.

4. Disconnect the board (x5).

5. Remove the board (x8).



6. Lay the board on a flat, clean surface.

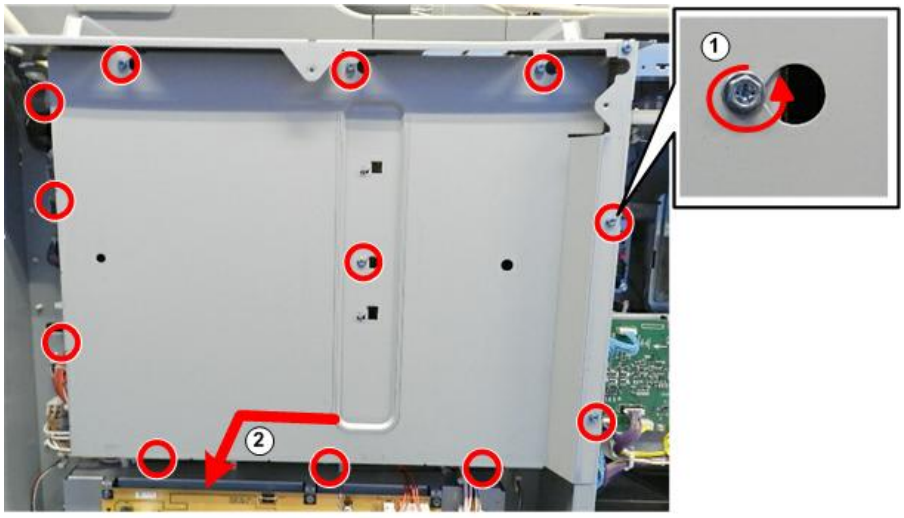


Around the Control Board

Before You Begin

1. Remove the controller box cover (Removing the Controller Box Cover, Inner Cover)
2. Loosen the screws of the metal cover (x12).

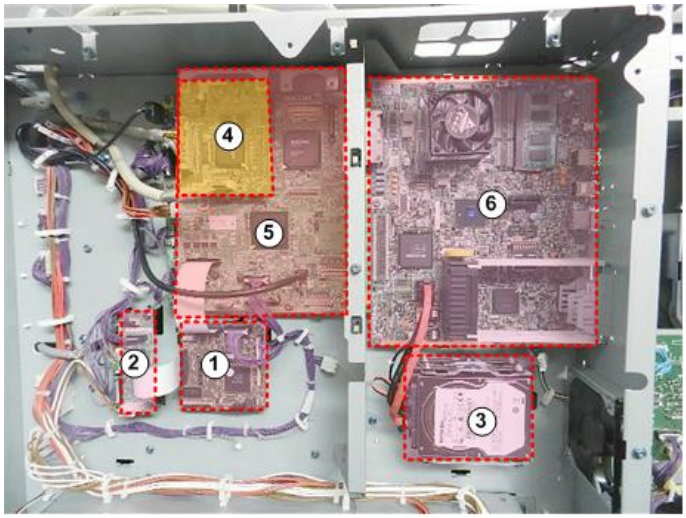
- Do not remove the screws.
- Each screw slides into a larger hole ① when the cover is pushed to the left ②.



d1792501

3. Slide the cover to the left and then remove it.

①	BCU
②	CNB
③	HDD
④	IPU Sub Board (Copier model only)
⑤	IPU
⑥	Controller Board

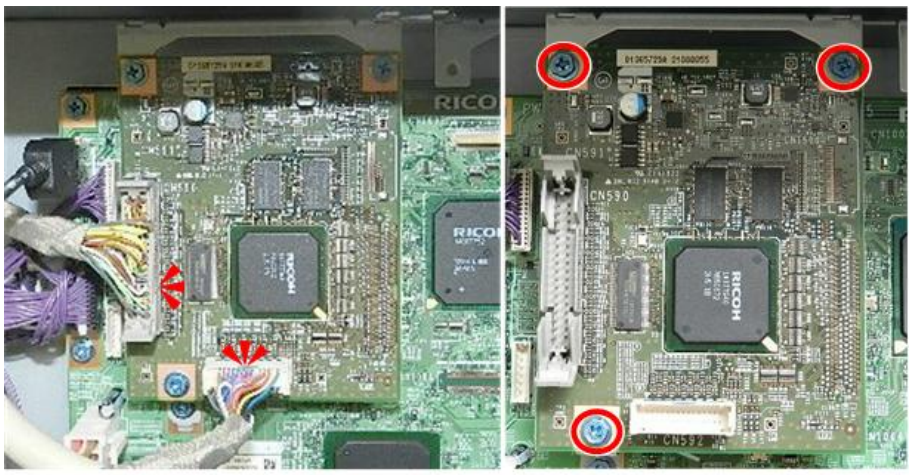


d1794345

IPU Sub Board (Copier Model Only)

1. The IPU sub board is on the IPU.

2. Disconnect the sub board (x2, x3)



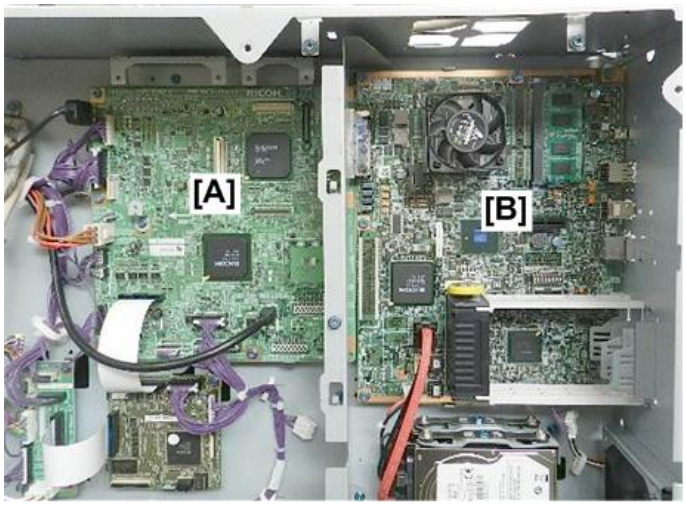
d1794356

3. Remove the board.

d1794357

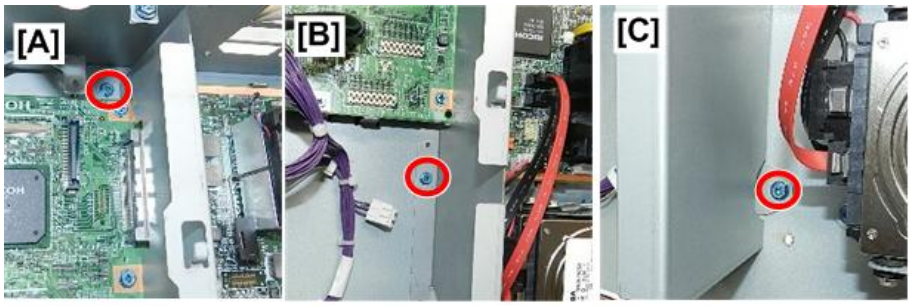
IPU, Controller Board

1. The IPU main board [A] and controller board [B] are separate, connected boards. They are always removed together.



d1794359

2. First, disconnect the partition between the boards:
   [A] IPU upper right corner (x1)
   [B] IPU lower right corner (x1)
   [C] HDD lower left (x1)

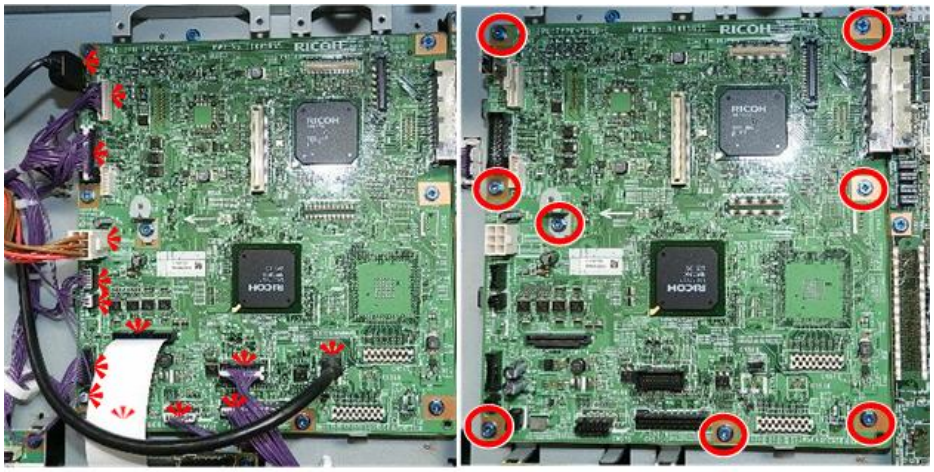


d1794360

3. Remove the partition [A].
4. Disconnect the HDD [B] (x1).

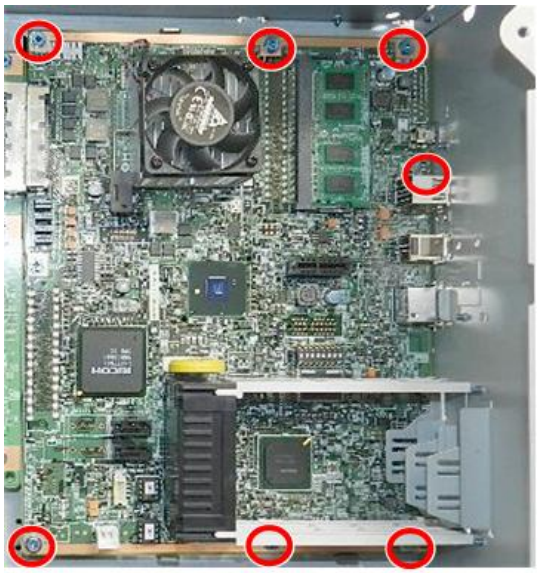
d1794361

5. First, disconnect the IPU (x1,x13,x8)



d1794362

6. Disconnect the controller board (x7).



d1794363

7. Slowly, remove the connected IPU-Controller board. Do not allow the edge connectors (marked by the red arrow) to bend.

d1794364

8. Lay the boards on a flat clean surface.

Note

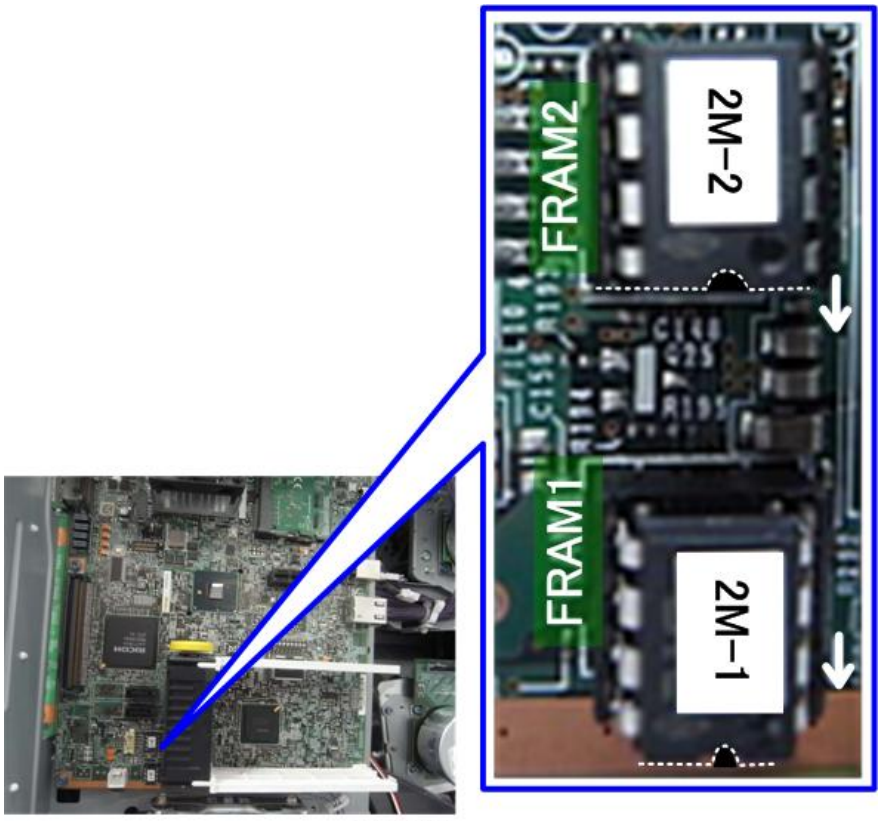
- The controller NVRAMs are located at [A].

d1794366

9. Separate the boards.

Precautions When Replacing the Controller Board

- Two NVRAMS on the controller board are labeled 2M-1 and 2M-2.
- These NVRAMs are a set. When replacing the controller board, remove both NVRAMs, 2M-1 and 2M-2, and then attach them to the new board at the same locations. If this is not done correctly, the machine will issue **SC195-00**.
- When you position the NVRAMS over the sockets, make sure that the circular notch is pointing in the direction embossed on the board as shown below.
- NVRAM 2M-1 is inserted into socket FRAM-1, and 2M-2 is inserted into the socket FRAM-2. Make sure that the circular notches on the NVRAMs point in the direction of arrows embossed on the board.



d270b2675

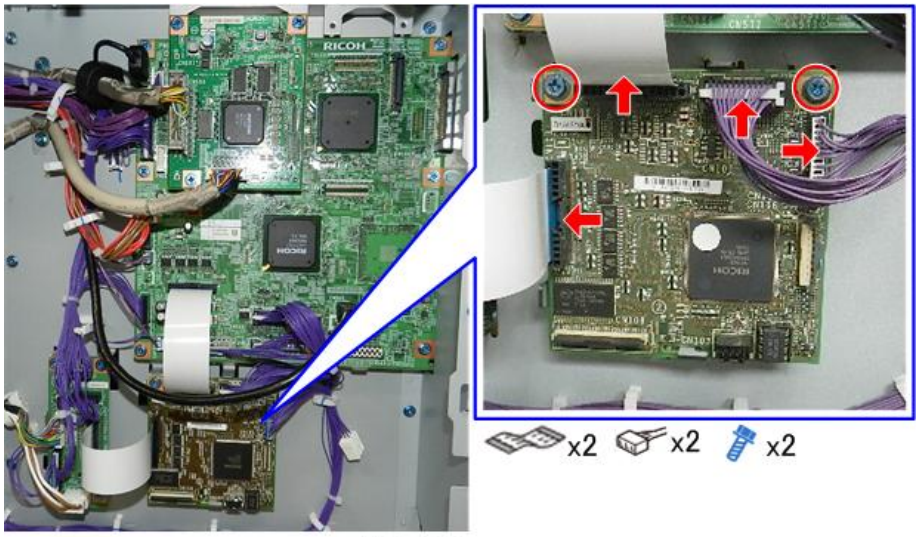
Important

- If the NVRAMs are installed incorrectly, this could cause both the board and the NVRAMs to short out and permanently damage the board and NVRAMs.
- After the board is replaced, check which ESA applications have been installed, and then follow the installation procedures to re-install each application.

4.Replacement and Adjustment

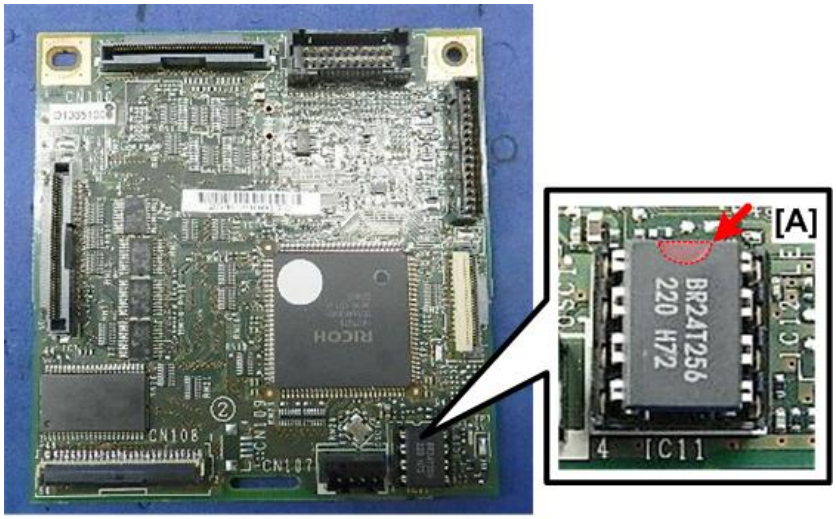
BCU

1. Disconnect and remove the BCU (x2, x2, x2)



d270b4346

2. If you are replacing the BCU, remove the NVRAM [A], and then install it on the new BCU.



d1794347

Important

- Pay attention to the direction the circular notch is pointing when you install it. If the NVRAM is installed incorrectly, the machine will display “Please Wait” and then freeze and not boot.

3. Turn the machine on.
4. Enter the SP mode.
5. Do SP5811-004 and enter the serial number of the main machine. If you fail to enter the correct number, the machine will issue SC995-01.
6. Do SP5131-001 and select paper size type (0: Japan, 1: NA, 3: EU).
7. Do SP5807-001, and then select your area. Failure to do this will cause the machine to return SC995-04.

NVRAM Replacement

There are three NVRAMs. Two are on the controller board, and one is on the BCU.

Important

- Always touch a metal surface before handling an NVRAM. Static electricity from your hands can damage an NVRAM.

Controller Board NVRAM Replacement

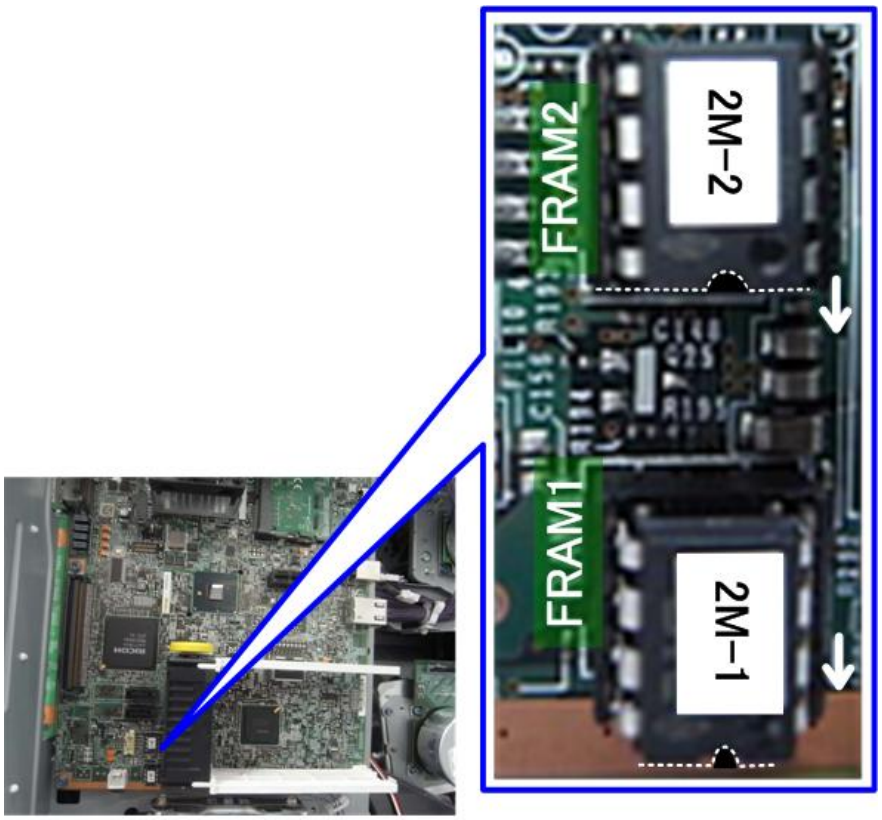
After Replacement of a Defective NVRAM

1. You will need the factory settings sheet provided with the machine.
2. Turn the power on, enter the SP mode, and then do the factory settings.
3. Re-install security settings as required.
4. Go into the SP mode and open **SP5104-001**.
   - This SP may automatically reset to "0" after NVRAM replacement.
   - This SP code should be reset to "1" (factory default), unless the operator needs it set to "0".

NVRAM Upload and Download

1. Make sure that you have the SMC report (factory settings). This report comes with the machine.
2. Output the SMC data ("ALL") using SP5-990-001.
3. Turn off the main switch.
4. Insert a blank SD card into Slot 2, and then turn on the machine.
5. Upload the NVRAM data to the blank SD card using SP5-824-001 (NVRAM Data Upload).
6. Enter the SP mode, open SP5985-001 (Enable onboard NIC) and SP5985-002 (Enable onboard USB), and make a note of their settings. (It is necessary to enter these settings manually after the NVRAMs have been replaced.
7. Turn off the main power switch, and then unplug the power cord.
8. Remove the SD card from Slot 2.
9. Replace the NVRAM on the controller board with a new one, plug in the power cord, and then turn on the main power switch.
10. Do **SP5846**-051 to copy all address data to the SD card.
11. Turn the machine off, and then unplug it.
12. Remove the SD card with the address book data from Slot 2.

13. Swap the old NVRAMs on the controller board with new ones.



d270b2675

Note

The two NVRAMS on the controller board are labeled 2M-1 and 2M-2.

These NVRAMs are a set. When replacing the controller board, remove both NVRAMs, 2M-1 and 2M-2, and then attach them to the new board at the same locations. If this is not done correctly, the machine will issue SC195-00.

When you position the NVRAMS over the sockets, make sure that the circular notch is pointing in the direction embossed on the board as shown below.

NVRAM 2M-1 is inserted into socket FRAM-1, and 2M-2 is inserted into the socket FRAM-2. Make sure that the circular notches on the NVRAMs point in the direction of arrows embossed on the board.

If the NVRAMs are installed incorrectly, this could cause both the board and the NVRAMs to short out and permanently damage the board and NVRAMs

14. .After the board is replaced, check which ESA applications have been installed, and then follow the installation procedures to re-install each application.
15. Make sure that there is no SD card in Slot 2, and then plug in the power cord and turn the machine on.
16. If the machine returns SC995-02, cycle the machine off and try again.
17. Insert the SD card with the copied NVRAM data in Slot 2.
18. Do **SP5825-001** to download the data from the SD card. This requires two or three minutes to complete.
19. When you see the “Finished!” message, cycle the machine off/on, and then touch [Exit]. Do not turn the machine off.

20. If SC870-11 (Address Book Data Error) appears, ignore it.

    Note

    After doing a setting, if the machine prompts you to cycle the machine off/on, ignore this message and continue until all the settings are done.

21. Enter the SP mode and manually enter the settings for the SP codes that you recorded above SP5985-001 (Enable onboard NIC) and SP5985-002 (Enable onboard USB).
22. Turn the machine off and remove the SD card from Slot 2.
23. Turn the machine on.
24. Insert the SD card with the address book data into Slot 2.
25. Do SP5846-052 to restore the address book data.

    Note

    The execution will fail if the settings at Step 16 for SP5985-001 or SP5985-002 were not done correctly.
    If this execution succeeds, the machine will prompt you to cycle the machine off/on.

26. Switch the machine off, and then remove the SD card from Slot 2.
27. Turn the machine on.
28. Enter the SP mode and print another SMC report with **SP5990-001**, compare it with the original SMC report that you printed earlier, and then correct any settings.
29. Reset the NVRAM counter (Total counter: 1000, other counters to zero).
30. Execute process control.
31. If you see the message “SD Card for Restoration is Required”, the data encryption key must be re-installed.

BCU NVRAM Replacement

After Replacement of a Defective NVRAM

1. You will need the factory settings sheet provided with the machine.
2. Turn the machine on, enter the SP mode, and then enter the factory settings.

NVRAM Upload and Download

1. Make sure that you have the SMC report (factory settings). This report comes with the machine.
2. Output the SMC data (SP5-990-001) if possible.
3. Turn the main switch off.
4. Install an SD card into SD card in Slot 2, and then turn the machine on.
5. Copy the NVRAM data to an SD card (SP5-824-001) if possible.
6. Turn off the machine, and then unplug the power cord.
7. Replace the NVRAM on the BCU and reassemble the machine.
8. Plug in the power cord, and then turn the main switch on.
9. Select a paper-size type (SP5-131-001), and then select your area with SP5807-001. The machine will return SC995-04 if the area is not set correctly.
10. Enter the serial number of the NVRAM (EEPROM).

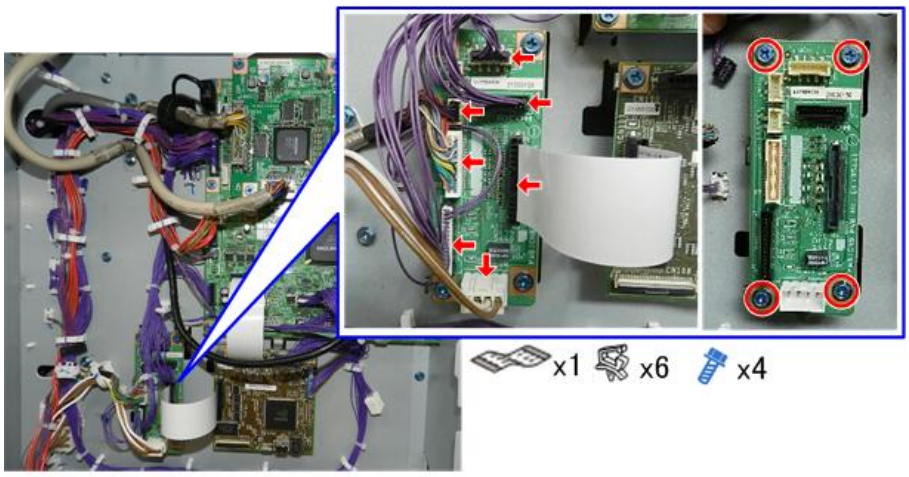
Note

- The NVRAM (EEPROM) manufacturer number is different from that set with SP5811-004. For more details, contact your supervisor or support center. If the number is not entered, the machine will return SC195-00.

11. Cycle the machine off/on.
12. Copy the data from the SD card to the NVRAM (SP5-825-001) that you copied them to the SD card in Step 5.
13. Turn the main switch off, and then remove the SD card from Slot 2.
14. Turn the main switch on.
15. Specify the SP and UP mode settings.
16. Do the process control self-check.

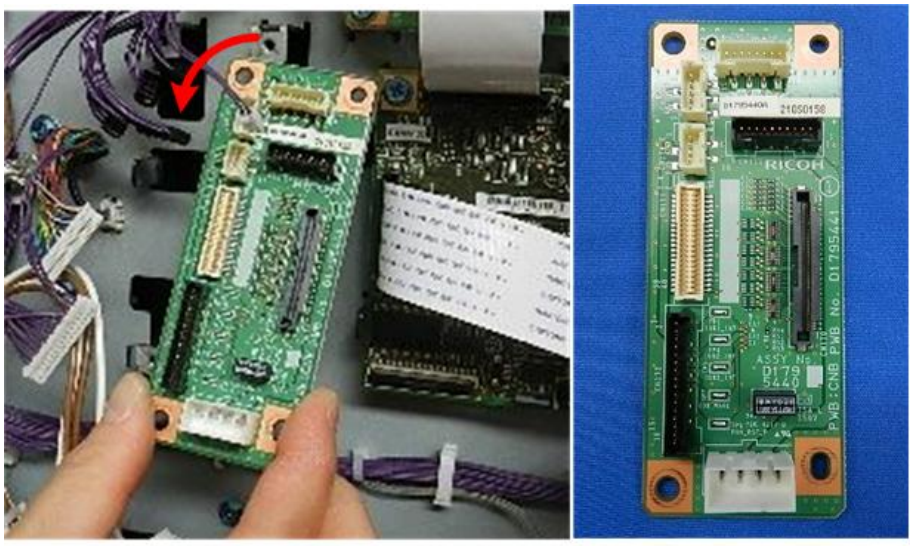
CNB

1. Disconnect the CNB (x1, x7, x4).



d270b4348

2. Remove the CNB.



d1794349

HDD

The HDD unit contains two separate disks.

- The HDD unit contains two disks that must always be replaced as a set.
- Never remove an HDD unit from a machine, or remove an old HDD from the work site without permission of the customer.
- Before replacing the HDD unit, if possible copy the address book data to an SD card with SP5846-051.

Important

- Information stored on the HDD (stamps, documents stored on HDD, etc.) will be lost after the HDD is replaced.
- Lost data may need to be replaced manually after HDD replacement.

1. Disconnect the HDD [A] (x2).

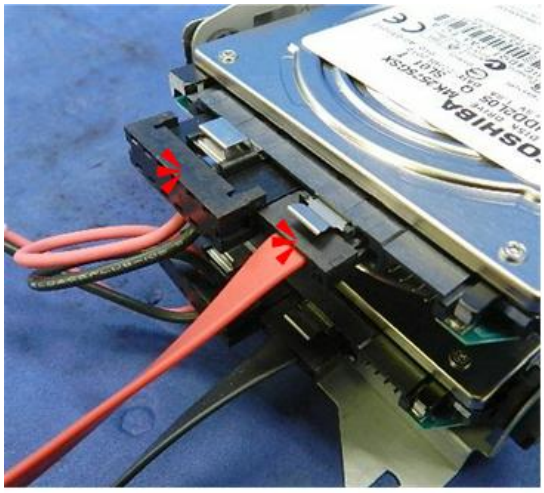
2. Disconnect the right side of the bracket [B] (x2).

d1794350

3. Disconnect the bottom and the left side [A] (x2).
4. Remove the bracket [B] (with HDDs attached).

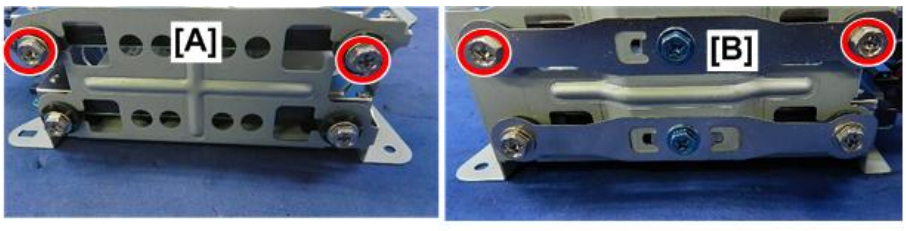
d1794351

5. Disconnect the upper HDD (x2).



d1794352

6. Disconnectthe top and bottom sides [A] and [B] of the upper HDD (x4).



d1794353

7. Remove the upper HDD.

d1794354

8. Remove the lower HDD (x4).

d1794355

Re-installation

- There is a notation on the metal panel to remind you to re-connect the HDD cables correctly: **Red** over **Black**.
- Reconnecting these cables incorrectly will cause an error. If this occurs, just switch the machine off and

connect them correctly. (The HDD will not be damaged.)

d1794358

After Installing a New HDD Unit

1. Do SP5-832-001 to format the hard disk.
2. Do SP5-853-001 to copy the preset stamp data from the firmware to the hard disk
3. Do SP5-846-052 to copy back the address book to the hard disk from the SD card to which you have already copied the address book data if possible.
4. Turn the main power switch off/on.

Important

- Make sure the cables are correctly connected on the controller board: Red cable: Upper socket, Black cable: Lower socket.
- If the connections are reversed, the machine will issue an error at startup. If it occurs just reconnect the HDD correctly and start again. The HDD will not be damaged by such an incorrect startup.

Disposal of HDD Unit

If the customer has any concerns about the security of any information on the HDD, the HDD must remain with the customer for disposal or safe keeping.

Reinstallation

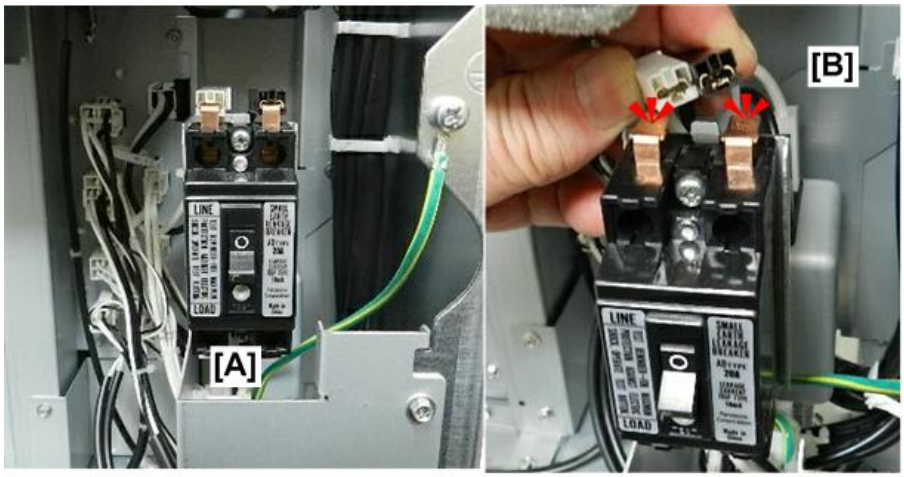
Explain to the customer that information stored on the HDD must be replaced. Information such as the address book and document server documents (if needed) must be replaced manually. Also, if the customer is using the Data Overwrite Security, or the Data Encryption feature, these applications must be installed again.

Breaker Switch

Important

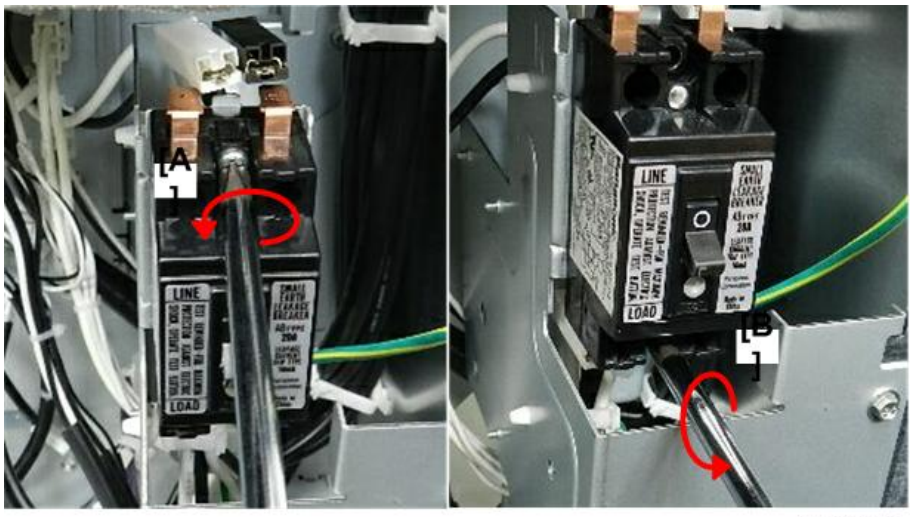
- The voltage rating for the breaker switch depend the location where the machine is installed and used.
  - North America
    - 208 to 240V, 50/60 Hz: More than 20 A
  - Europe/Asia
    - 220/230/240V, 50/60 Hz: More than 16 A

1. The breaker switch [A] is located at the lower left corner of the machine.
2. Disconnect at the top [B] (x2).



d1794314

3. Disconnect the switch (x2).



d1794315

4. Pull the switch out partially, and then disconnect the bottom (x2).

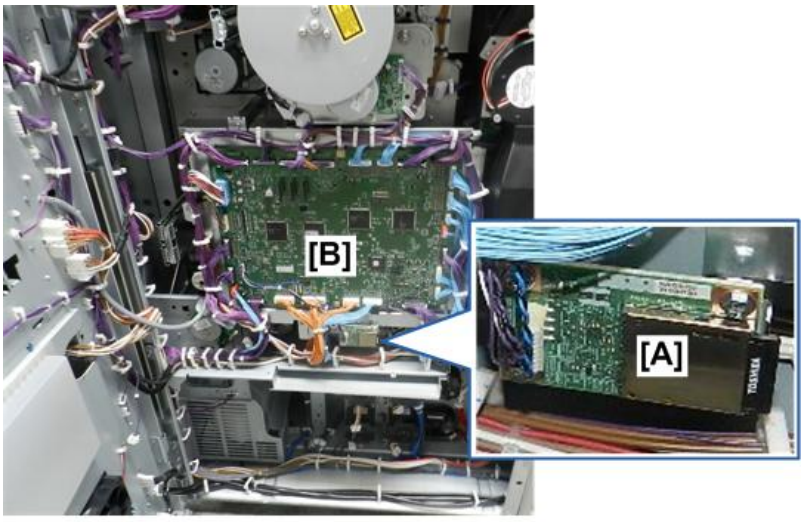
d1794316

SCDC Board

Important

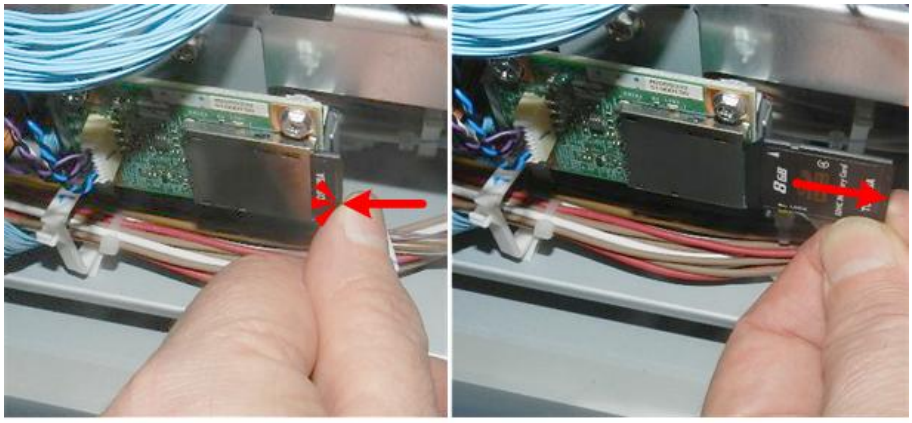
- This can hold an SD card. It is used primarily for factory and design testing and does not require servicing in the field.

1. Open the controller box. (Opening the Controller Box)
2. This board [A] is directly below the IOB [B].



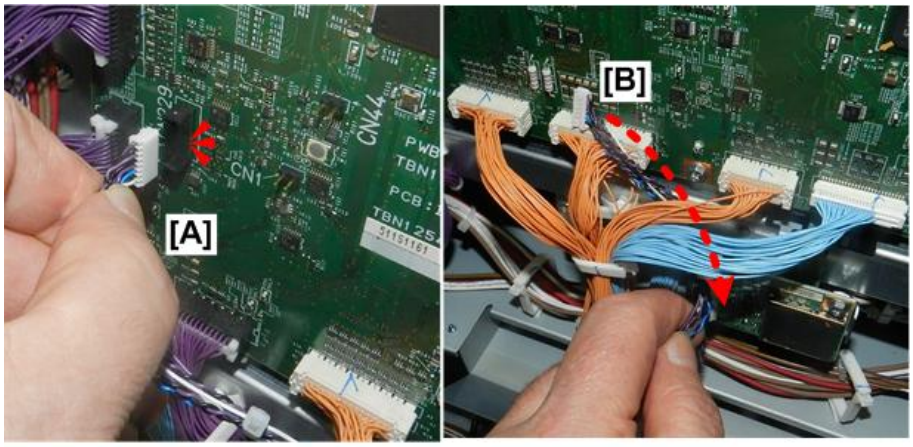
d270b4020

3. Remove the SD card.



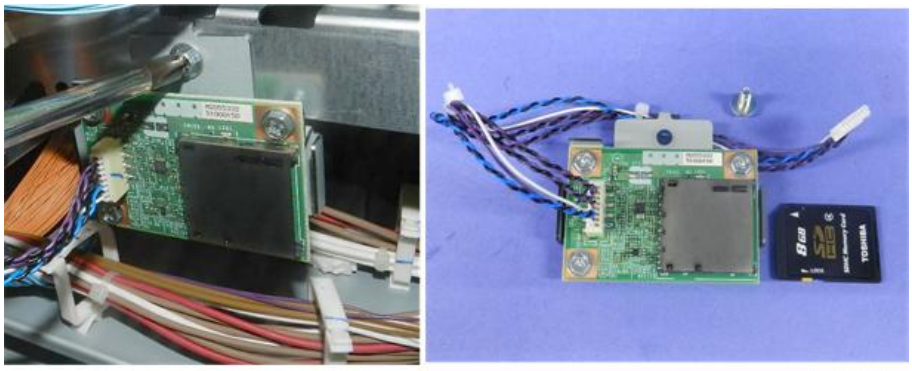
d270b4021

4. Disconnect the harness from the IOB [A].
5. Free the harness [B].



d270b4022

6. Disconnect the bracket with PCB attached.



d270b4023

5. System Maintenance Reference

Types of SP Modes

There are nine broad categories of SP codes, identified by group numbers.

Group	Comment
SP1000	**Feed**. Paper feed SP codes: Image position adjustment, roller operation speeds, target fusing temperatures, etc.
SP2000	**Drum**. Drum operation related SP codes: Magnification adjustments, test pattern printing, etc.
SP3000	**Process**. Process control related SP codes, TD sensor initialization, toner draining and fill, process control setting adjustments, process control interval settings, etc.
SP4000	**Scanner**. Scanning operation related SP codes: Main and sub scan magnification adjustments, scanner free run, test pattern printing, LDAP certification, machine security, PM alarm, time setting, memory clear,
SP5000	**Mode**. Machine operation related SP codes: Display settings, counter settings, input and output checks for main machine, service telephone number setting, NVRAM data upload and download, network settings, HDD formatting, IEE802.11 setup, USB setup, UCS setting,
SP6000	**Peripherals**. Peripheral (options) related SP codes for peripheral units (including ADF): Finisher performance settings (folding, stapling, etc.), input and output checks for peripheral units, etc.
SP7000	**Data Logs**. Data log related SP codes: Counters, machine and peripheral PM parts displays, clear PM counters after part replacement, jam detection by location display (original and paper), consumable usage displays (toner),
SP8000	**@Remote**. A standard set of counters used to log more detailed information about machine operation that can be monitored from a remote location (service center).
SP9000	**DFU**. These SP codes are for “Design and Factory Use” only. These are used by designers for troubleshooting and machine testing and should never be used in the field by service technicians without specific instructions from design centers.

The following notations are used in the SP mode tables.

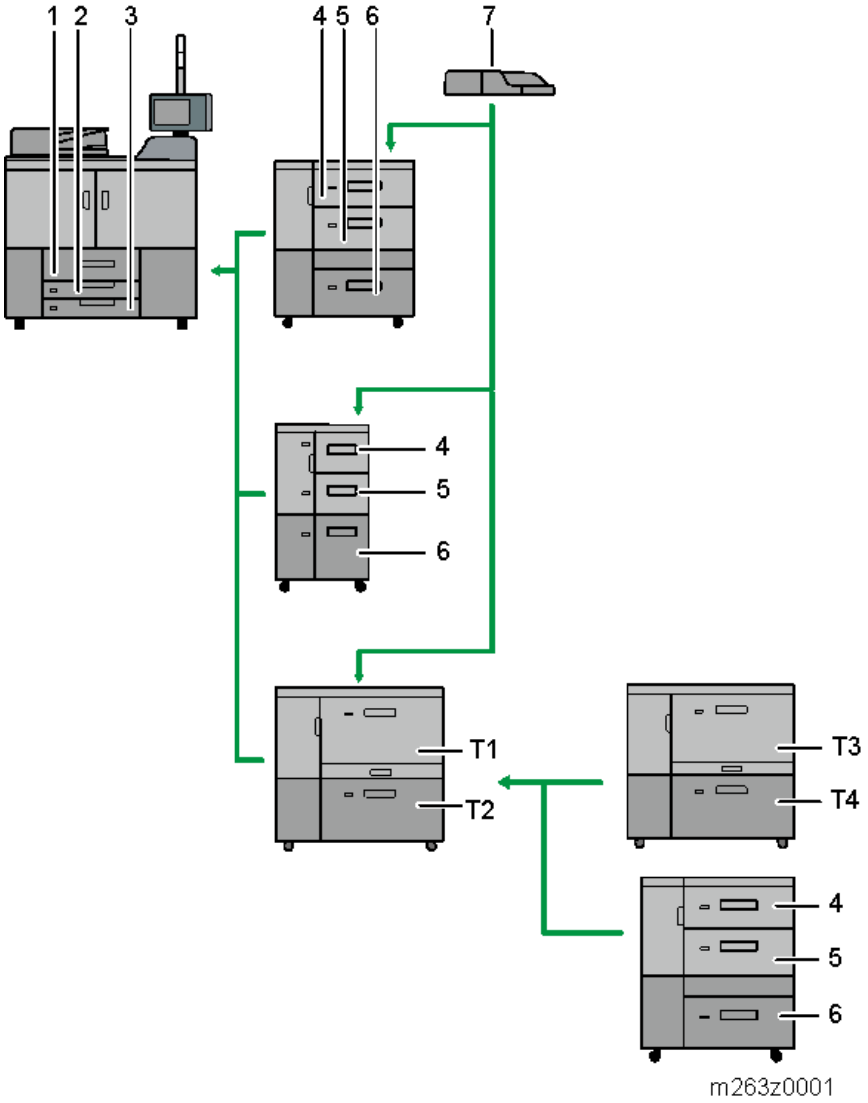
Notation	What it means
[range/step]	Example: [–9 to +9/0.1 mm] The default setting can be adjusted in 0.1 mm steps in the range ±9. **Note**: The default setting for each SP mode is shown on the screen in the "Initial" box immediately below the entry box.
DFU	Denotes "Design or Factory Use". Do not change this value.
Japan Only	The feature or item is for Japan only. Do not change this value.
LEF	Long Edge Feed
SEF	Short Edge Feed

Service Program Mode

SP Table

See "Appendices" for service program tables.

Tray notation of SP mode



No.	SP name	Description
1	Tray 1	Main machine trays
2	Tray 2	
3	Tray 3	
4	Tray 4	Enabled when LCIT RT5070 or LCIT RT5080 is installed.
5	Tray 5	
6	Tray 6	
7	Tray 7	Enabled when Multi Bypass Tray BY5010 is installed.

No.	SP name	Description
T1	Tray T1	Enabled when Vacuum Feed LCIT RT5100 is installed.
T2	Tray T2	
T3	Tray T3	Enabled when the 2nd Vacuum Feed LCIT is installed
T4	Tray T4	

Updating the Firmware

Software Update Procedure

SD cards are used to update the software and to back up important data. Here is a list of the firmware modules that can be updated or restored from an SD card:

- GW controller software
- BCU software
- LCDC (operation panel) software
- Network Sys (network) software
- Web Sys (Web Image Monitor)
- Document Server software
- NFA (Net File) software
- Printer application software
- Scanner application software
- DESS (encryption module) software

Important

- Never connect or remove an IC card or SD card with the machine power turned on.
- Never turn the power off while the machine is downloading data from an IC card or SD card.
- The IC cards and SD card are precision items. Use them carefully.
- Never store IC cards or SD cards in a location where they are exposed to high temperature, high humidity, or direct sunlight.
- Never bend an IC card or SD card, scratch it, or expose it to strong vibration.
- Before uploading data to an SD card, always confirm that its write-protect switch is off.

Doing the Software Update Procedure

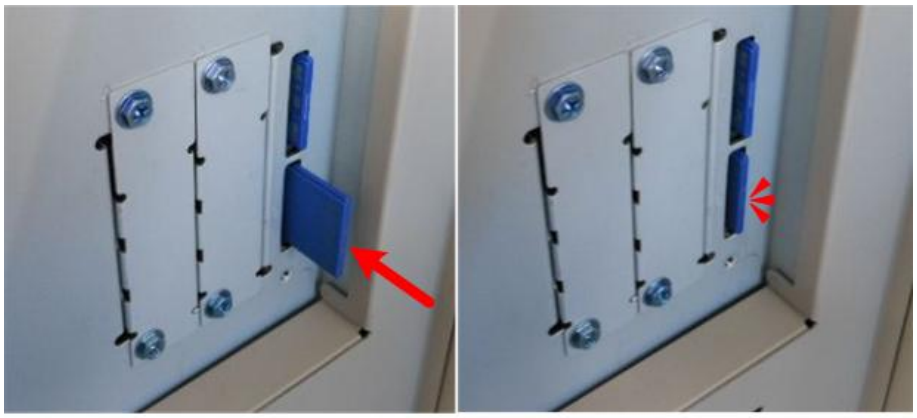
An SD card with the software downloaded to it is necessary for this procedure.

1. Turn the main switch off.
2. Remove the SD card slot cover [A] (x 1).

d1791200

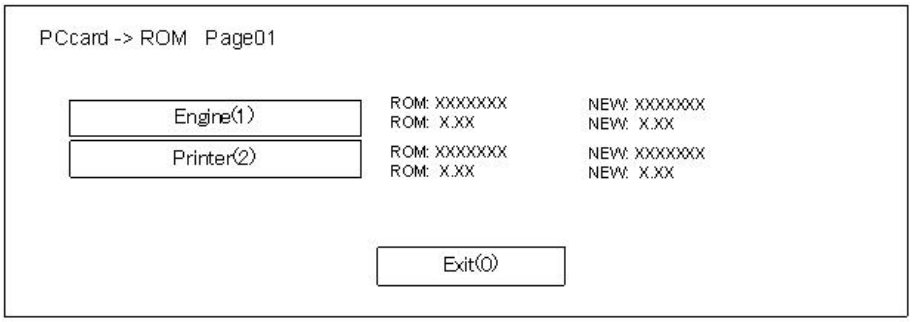
3. Hold the SD card (the surface with printing must be away from the front of the machine), and insert it into

Slot 2.



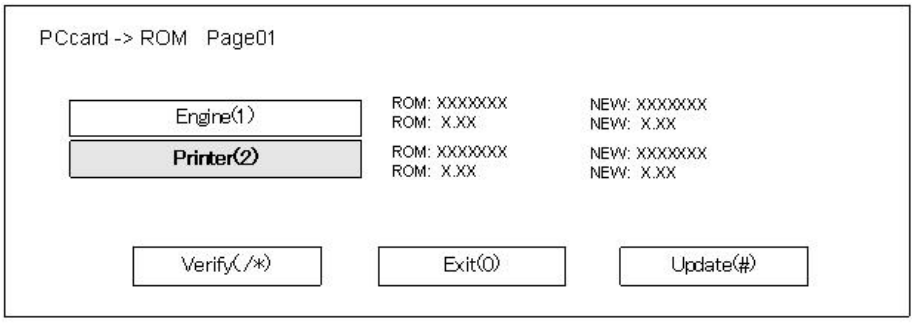
d1791213

4. Turn the main power switch on.
5. If the SD card contains more than one software application, the screen will be almost the same. The screen above shows that the SC card contains two applications: "Engine" and "Printer".



d1791301

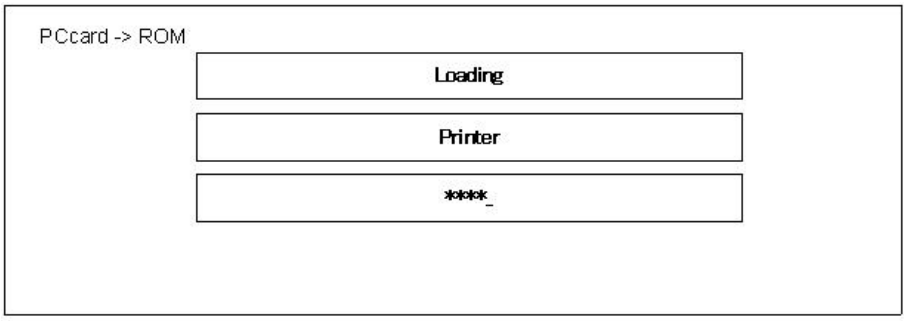
6. To select the item for upgrade, touch the selection on the touch panel, or push the corresponding key on the 10-key pad (1 to 5) of the operation panel. The number in parentheses tells you which key to push. When you make a selection, the [Verify(./*)] and [Update(#)] buttons come on the screen.



d1791302

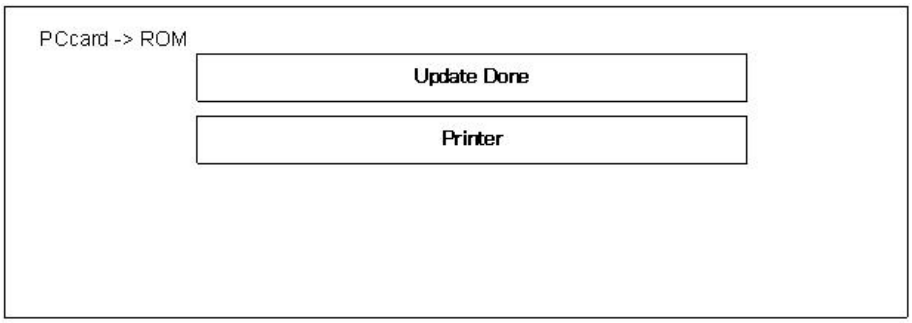
- If you push [Exit] (or the [0] key), you go back to the usual operation screen.
- Push the [Start] key on the operation panel to select and download all the options shown on the screen.
- Push the [Clear] key on the operation panel if you want to cancel your selections and make new ones.
- "ROM": This is the number and other version information of the ROM firmware installed in the machine at this time.
- "NEW": This is the number and other version information of the firmware on the SD card.

7. With the selected items shown in reverse color, push the [Update] button or the [#] key on the operation panel to start the update.
   After you push [Update]:
   - The middle bar shows the name of the module that the machine updates at this time. (The example above shows that the machine updates the "Printer" module at this time.)
   - The bottom bar is a progress bar. The "_" marks in the progress bar are replaced by "*" marks. This progress bar cannot be displayed during the firmware update for the operation panel. But, the LED of the [Start] key on the operation panel changes from red to green to show that the update of the operation panel firmware continues.



d1791303

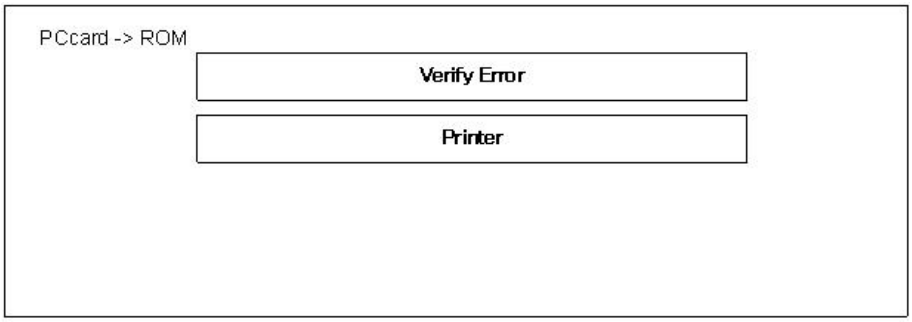
   - When the update is completed, you will see this screen:
   - After the firmware update, you will see "Update Done" in the first bar. The name of the module in the bottom bar is the name of the last module that was updated (only the name of the last module is shown, if several modules were been updated).



d1791304

8. Turn the power off and on. Then, select the items that you updated, and then push the [Verify] button. This is to check that the modules were updated correctly.
9. If you see "Verify Error" in the first bar on the screen, then you must do the procedure again for the module

shown in the bottom bar.



d1791305

Note

- The "Verify" procedure is not necessary but it is strongly recommended.

10. After the firmware is correctly updated, turn the main power switch off.
11. Push the SD card in a small distance to release it, then pull it out of the slot.
12. Turn the main power switch on, and check that the machine operates correctly.

Java VM Update

Follow this procedure to update the Java VM software.

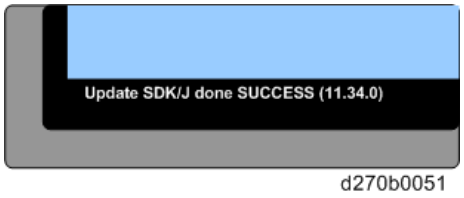
1. Download the Java VM update files onto an SD card.
2. If the machine is on, turn it off. The machine must be off.
3. Remove the SD slot cover, and then insert the SD card with the Java VM update files into Slot 2.

d270b0049

4. Turn the machine on.
5. Wait about 30 sec. for the "in progress" message to appear in the bottom left corner of the operation panel.

d270b0050

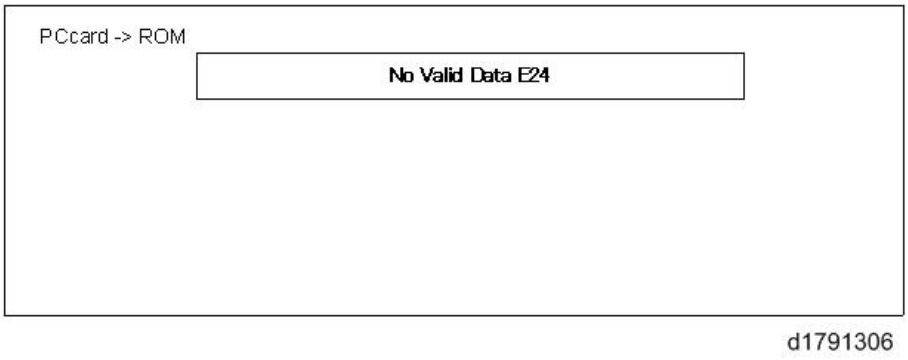
6. When you see the "success" message, turn the machine off. (The update requires about 3 min.)



7. Turn the machine off, remove the SD card from Slot 2, and then re-attach the slot cover.

Errors During Firmware Update

If an error occurs during a download, an error message will appear. The error code consists of the letter "E" and a number ("E24", for example).



Error Message Table

No.	Meaning	Solution
20	Cannot map logical address	Make sure the SD card is installed correctly, or use a different SD card.
21	Cannot access memory	HDD connection not correct, or replace hard disk.
22	Cannot decompress compressed data	The ROM data on the SD card is not correct, or data is damaged.
23	Error occurred when ROM update program started	Controller program defective. If the second attempt fails, replace the controller board.
24	SD card access error	Make sure the SD card is installed correctly, or use a different SD card.
30	No HDD available for stamp data download	HDD connection not correct or replace hard disks. Copier model only.
31	Data incorrect for continuous download	Install the SD card with the remaining data necessary for the download, then re-start the procedure.
32	The update was interrupted because the machine was switched	Repeat the procedure by inserting the

	off. When the machine was turned on again to resume the update, the SD card slot was empty, or the inserted SD card is for different firmware.	SD card with the correct firmware update information files.
33	Incorrect SD card version	The ROM data on the SD card is not correct, or data is damaged.
34	Module mismatch - Correct module is not on the SD card	The data on the SD is not correct. Get the correct data (Japan, Overseas, OEM, etc.) then install again.
35	Module mismatch – Module on SD card is not for this machine	SD update data is not correct. The data on the SD card is for a different machine. Get the correct data then install again.
36	Cannot write module – Cause other than E34, E35	SD update data is not correct. The data on the SD card is for a different machine. Get the correct data then install again.
40	Engine module download failed	Replace the data for the module on the SD card and try again, or replace the BCU board.
42	Operation panel module download failed	Replace the data for the module on the SD card and try again, or replace the LCDC.
43	Stamp data module download failed	Replace the data for the module on the SD card and try again, or replace the hard disk. Copier model only.
44	Controller module download failed	Replace the data for the module on the SD card and try again, or replace the controller board.
50	Electronic confirmation check failed	SD update data is not correct. The data on the SD card is for a different machine. Get the correct data then install again.

Updating the LCDC for the Operation Panel

Use this procedure to update the LCDC (LCD Control Board).

1. Turn the copier main switch off.
2. Put the SD card into slot 2.
3. Turn the copier main switch on.

4. Stop until the card utility screen is displayed.
   After approximately 10 seconds, the initial screen opens in English.
5. Touch [Opepanel.DOM].
6. Touch [UpDate(#)] to start the update.
   While the data downloads, the operation panel goes off.
   The LED on the [Start] key flashes red at 1/2 second intervals for approximately 6 minutes.
   When the update is completed, the [Start] key starts to flash at 1-second intervals.
7. Turn the copier main power switch off, remove the SD card, then turn the copier on again.

Downloading Stamp Data (Copier Model Only)

After you replace or format the HDD, download the stamp data from the controller firmware to the hard disk.

1. Go into the SP mode.
2. Select SP5853 then press "Execute".
3. Obey the instructions on the screen to complete the procedure.

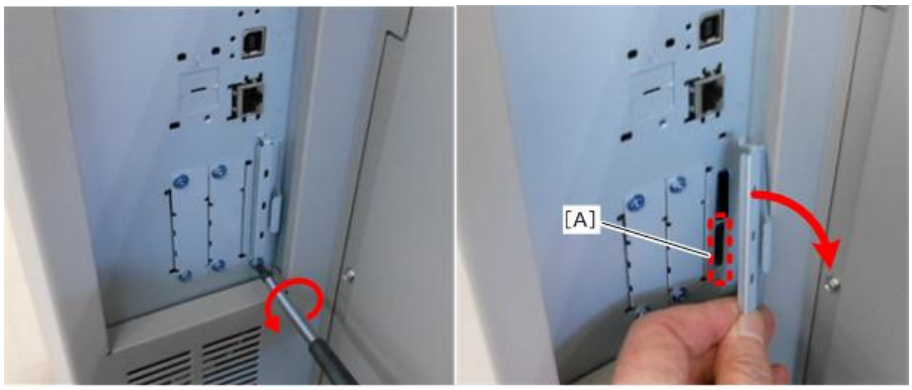
Uploading/Downloading NVRAM Data

Uploading NVRAM Data to an SD Card

Before you begin, please note:

- Uploading NVRAM contents to an SD card will fail if the machine serial number of the machine is not registered with **SP5811**.
- The machine serial number is set at the factory before shipping.
- NVRAM data can be uploaded from several machines and stored on the same SD card because a unique filename is created automatically for each machine.

1. Enter the SP mode and do **SP5990-2** to print an SMC report.
   - Always print an SMC report before uploading NVRAM data, just in case the download of the NVRAM data fails.
   - If the download fails, you can use the report to re-enter the SP and UP settings manually.
2. Turn the machine off.
3. Remove the SD slot cover.



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4. Insert the SD card in Slot 2 [A].
5. Turn the machine on.
6. Enter the SP mode and do **SP5824** (NVRAM Data Upload).
7. Touch [EXECUTE] on the operation panel to start the upload.
   - Data uploaded from NVRAM is stored in a file in the NVRAM folder created on the on the card:
     NVRAM folder> D179*.nv
     where D179*.nv is the number of the machine entered at the factory before shipping. The number will be unique for each machine.
   - If this upload is done with the NVRAM folder and file from a previous upload is stored on the SD card, the folder and file will be overwritten. (A new directory and file are not created.)

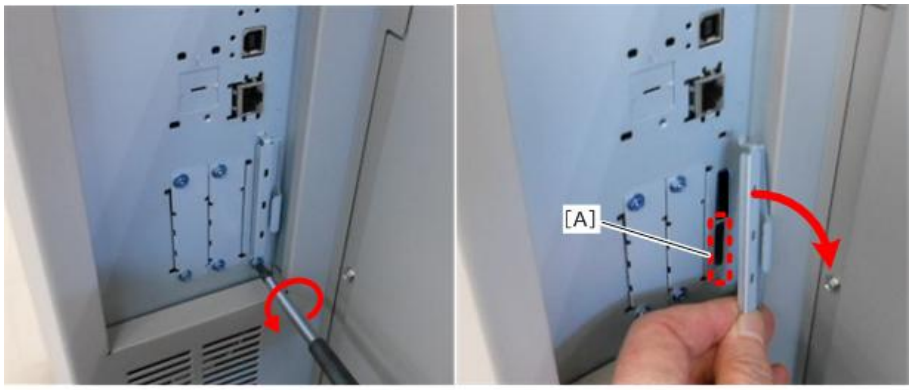
Downloading NVRAM Data from an SD Card

Before you begin, please note:

- Downloading NVRAM data from an SD card may fail if the SD card is defective.

- If downloading NVRAM data from an SD card fails, just repeat the procedure.
- If the second attempt to download from the SD card fails, then you must enter the SP and UP settings manually from the SMC report you printed before uploading the NVRAM data to the SD card.

1. Turn the machine off.
2. Remove the SD slot cover.



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3. Insert the SD card that holds the NVRAM data in Slot 2 [A].

Important

- The machine number included in the filename of the file on the SD card must match the number of the machine.

4. Turn the machine on.
5. Enter the SP mode and open **SP5825**.
6. Touch [EXECUTE]. The download executes.
7. When the prompt that tells you that the operation has completed and that the machine must be re-booted, touch [Exit].
8. Exit the SP mode and remove the SD card.
9. Cycle the machine off/on.

Address Book Upload/Download

Information List

The following information is possible to be uploaded and downloaded.

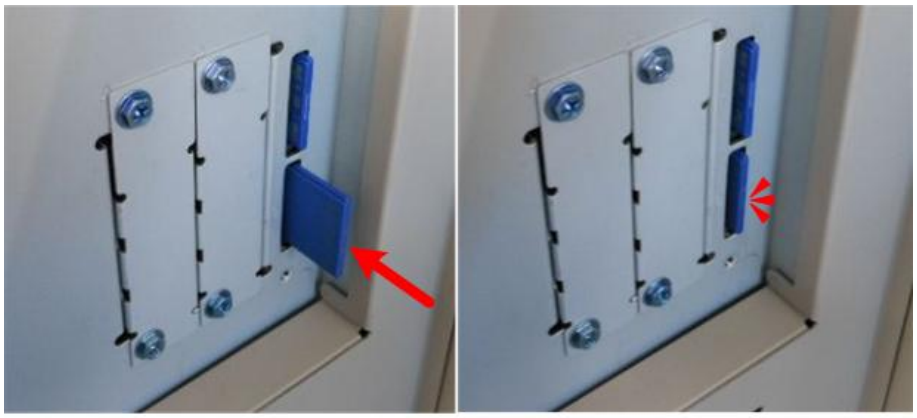
- Registration No.
- User Code
- E-mail
- Protection Code
- Group Name
- Key Display
- Select Title
- Folder
- Local Authentication
- Folder Authentication
- Account ACL
- New Document Initial ACL
- LDAP Authentication

Download Address Book

1. Prepare a formatted SD card.
2. Make sure that the write-protection on the SD card is off.
3. Turn off the main power switch of the main machine.
4. Remove the SD slot cover (x 1).

d1791200

5. Insert an SD card into Slot 2.



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6. Turn the machine on.
7. Enter the SP mode.
8. Do **SP5846-051** (Backup All Addr Book).
9. Exit the SP mode, and then turn the machine off.
10. Remove the SD card form Slot 2.
11. Re-attach the SD card slot cover.

Note

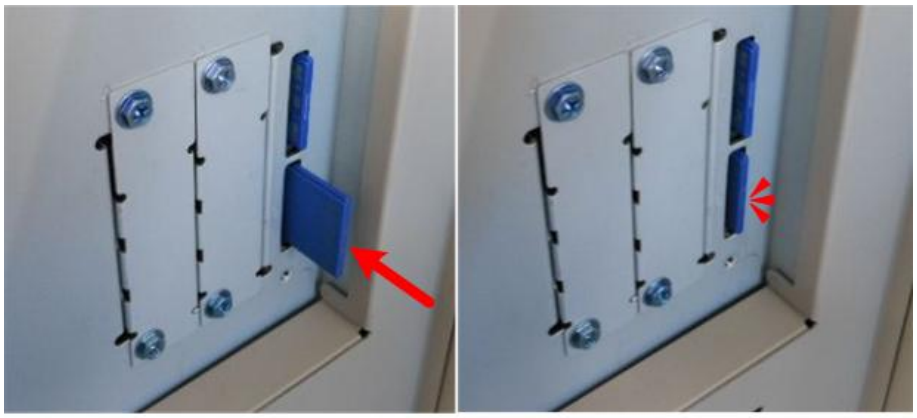
- If the capacity of SD card is not enough to store the address book data, an error message is displayed.
- Handle the SD with card.
- Never remove an SD card with address book information from the work site.

Upload Address Book

1. Turn the machine off.
2. Remove the SD slot cover [A] (x 1).

d1791200

3. Insert the SD card that holds the address book data into Slot 2.



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4. Turn the machine on.
5. Enter the SP mode.
6. Do **SP5846-052** (Restore All Addr Book).
7. Exit the SP mode, and then turn the machine off.
8. Remove the SD card from Slot 2.
9. Re-attach the SD slot cover.

Note

- The counter in the user code information is initialized after uploading.
- Administrator and supervisor related information can be neither downloaded nor uploaded.
- If there is no address book data on the SD card, the machine will return an error message.

Capturing the Debug Logs

Overview

With this feature, you can save debug logs that are stored in the machine (HDD or operation panel) on an SD card. This function allows the Customer Engineer to save and retrieve error information for analysis. The Capturing Log feature saves debug logs for:

- Controller
- Engine
- Operation panel

Important

- In older models, a technician enabled the logging tool after a problem occurred. After that, when the problem had been reproduced, the technician was able to retrieve the debug log.
- However, this new feature saves the debug logs whenever a problem occurs, and then this log can be saved to an SD card.
- You can retrieve the debug logs with an SD card without a network.
- Analysis of the debug log is effective for problems caused by the software. Analysis of the debug log is not valid for the selection of defective parts or problems caused by hardware.

Types of debug logs that can be saved

Type	Storage Timing	Destination (maximum storage capacity)
Controller debug log (GW debug log)	• Saved at all times	HDD (4 GB). Compressed when written to an SD card from the HDD (from 4 GB to about 300 MB)
Engine debug log	• When an engine SC occurs • When paper feeding/output stop by jams • When the machine doors are opened during normal operation	HDD (up to 300 times)
Operation panel debug log	• When a controller SC occurs • When saving by manual operation with the Number keys and the Reset key (Press “Reset”, “0”, "1” and “C”(hold for 3 seconds)) • When the operation unit detects an error • When the operation panel detects an error	Operation panel (400 MB /Up to 30 times) When updating the firmware for the operation panel, the debug logs are erased.

Debug logs are not saved when:

- Memory is being erased
- Data encryption equipment is being installed
- Firmware configuration is being changed
- There is a power outage (power cord disconnected accidentally)

- The machine is shutdown normally with the power switch and data write to the HDD cannot be completed. For example, when shutdown starts immediately after a paper jam occurs or the front door is opened or closed, the machine needs about 5 sec. to save the debug log after the machine stops completely.
- Power supply to the HDD is off because of energy saving (engine OFF mode /STR mode)

Operation Log Security

The following operation logs related to security are never saved.

- User ID
- Password
- IP address
- Telephone number
- Encryption key
- Transition to SP mode

The following operation logs are never saved.

- Number keys (0 to 9) on the operation panel
- Soft keyboard on the touch panel display
- External keyboard

Retrieving the Debug Log

Retrieve debug logs to identify the date of occurrence and details about problems.

- Analysis of the debug log is effective for problems caused by the software.
- Analysis of the debug log cannot identify defects in parts or problems caused by hardware.

1. Insert the SD card into the slot on the right edge of the operation panel.

d1791225

2. Enter SP mode.
3. Open **SP5857-101** and make sure that it is set to "0" (default).
4. Set the end date of the log with **SP5857-102** in the format yyyymmdd. For example, for March 31, 2016 you would enter "20160331".
5. Next, do **SP5-857-103** to retrieve the debug log data and store it onto the SD card.

6. When the transfer is finished, the machine will display "Completed" on the operation panel.

Important

- The length of time needed to transfer the debug log data can be affected by the type and format of the SD card. Formatting the SD card with Panasonic SD Formatter (freeware) is recommended.

The approximate time required for the transfer of the following debug logs are:

- Controller (GW): 2 to 20 min.
- Engine debug log: 2 min.
- Operation: 2 to 20 min.

1. Make sure that the SD card access LED is off, then remove the SD card.
   If you see the "Failed" message, remove the SD card, cycle the machine off/on, and then repeat this procedure from Step 2.

Debug logs are saved with the following file names.

Debug Log	Filename Format
Controller(GW)	/LogTrace/machine no./watching/yyyymmdd_hhmmss_unique ID.gz
Engine	/LogTrace/machine number/engine/yyyymmdd_hhmmss.gz
Operation Panel	/LogTrace/machine no./opepanel/yyyymmdd_hhmmss.tar.gz

6. Troubleshooting

Servicing

Customer Engineers

Maintenance shall be done only by trained customer engineers who have completed service training for the machine and all optional devices designed for use with the machine.

Reference Material for Maintenance

- Maintenance shall be done using the special tools and procedures prescribed for maintenance of the machine described in the reference materials (service manuals, technical bulletins, operating instructions, and safety guidelines for customer engineers).
- In regard to other safety issues not described in this document, all customer engineers shall strictly obey procedures and recommendations described the "CE Safety Guide".
- Use only consumable supplies and replacement parts designed for use with the machine.

Warnings, Cautions, Notes

In this manual, the following important symbols and notations are used.

⚠WARNING

- A Warning indicates a potentially hazardous situation. Failure to obey a Warning could result in death or serious injury.

⚠CAUTION

- A Caution indicates a potentially hazardous situation. Failure to obey a Caution could result in minor or moderate injury or damage to the machine or other property.

Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.

Note

- This information provides tips and advice about how to best service the machine.

Before You Begin

Safety

⚠WARNING

- To prevent fire hazard, never use flammable aerosol sprays around the machine.
- Before you replace any unit, to prevent electrical shock, turn off the machine with the operation power switch at the left, front corner of the machine. Wait for the machine to shut down, and then disconnect

the machine from the power supply.

- Allow the machine to cool for at least 30 minutes before replacing a part.

⚠CAUTION

- Do not remove any covers or screws other than those explicitly mentioned in a procedure. Inside this machine are high voltage components that are an electric shock hazard and laser components that could cause blindness.

About the Display for Options

This machine displays all of the adjustment items in the “Adjustment Settings for Skilled Operators” menu and advanced settings for custom paper regardless of whether or not the items are for options, or if the options have been installed.

- Any modification to the option settings does not take effect unless the applicable options are installed on this machine.
- Settings can be adjusted with the “Advanced Settings for Skilled Operators” (the product specialist who have received TCRU training), or with SP codes settings by the CE.
- In this guide, the skilled operator adjustment is given first, followed by the corresponding SP code setting which can be done by the CE only.

Important

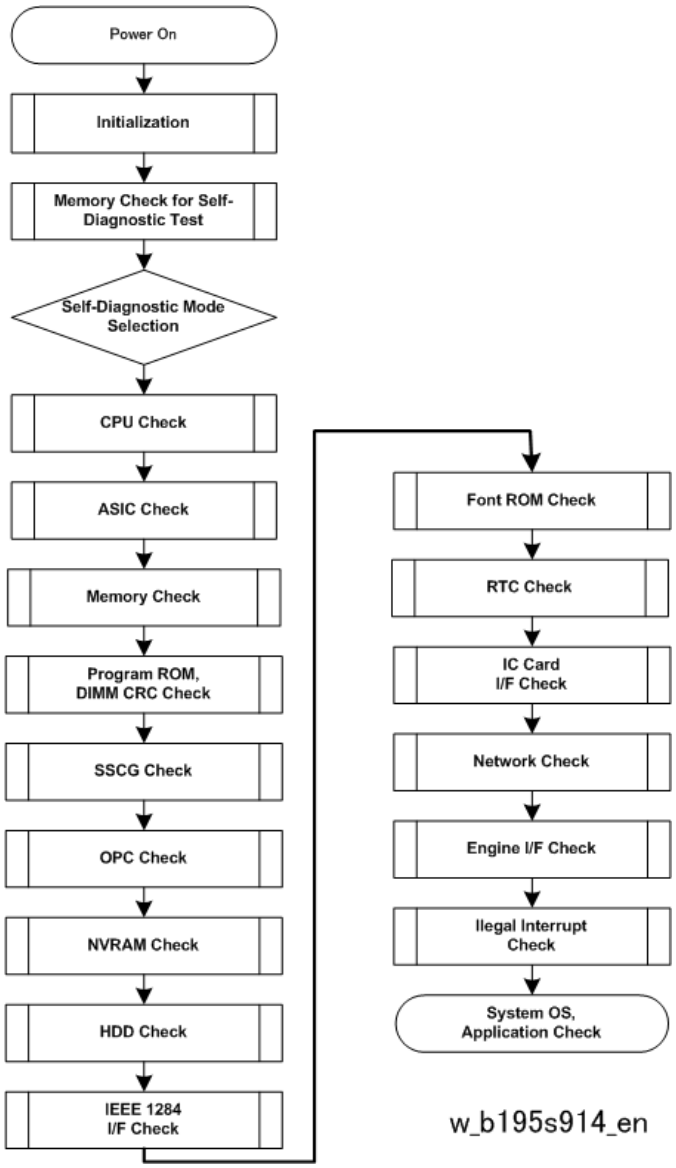
- Always note the current setting before you make any change.
- If a problem persists despite the setting being changed, restore the value you made a note of.
- Operating the machine with the changed setting may cause problems such as reduced print quality.
- If the problem persists even though the setting has been changed, restore the value noted. Operating the machine with the changed setting may cause problems, such as inferior printed images.

Self-Diagnostic Mode

Self-Diagnostic Mode at Power On

As soon as the main machine is powered on, the controller waits for the initial settings of the copy engine to take effect and then starts an independent self-diagnostic test program. The self-diagnostic test follows the path of the flow chart shown below and checks the CPU, memory, HDD, and so on. An SC code is displayed in the touch panel if the self-diagnostic program detects any malfunction or abnormal condition.

Self-Diagnostic Test Flow



Detailed Self-Diagnostic Mode

In addition to the self-diagnostic test initiated every time the main machine is powered on, you can set the machine in a more detailed diagnostic mode manually in order to test other components or conditions that are not

tested during self-diagnosis after power on.

Executing Detailed Self-Diagnosis

Follow this procedure to execute detailed self-diagnosis.

1. Switch off the machine.
2. Hold down [#], press and hold down , and then while pressing both keys at the same time, switch on the machine.

   You will see "Now Loading" on the touch-panel, and then you will see the results of the test.

   A report is printed every time a detailed self-diagnostic test is executed, whether errors were detected or not.

SC Code Descriptions

Summary

There are 4 levels of service call conditions.

Level	Definition	Reset Procedure
A	To prevent damage to the machine, the main machine cannot be operated until the SC has been reset by a service representative (see the note below).	Enter SP mode, use SP 5810, touch [Execute], and then turn the main power switch off and on.
B	SCs that disable only the features that use the defective item. Although these SCs are not shown to the user under normal conditions, they are displayed on the operation panel only when the defective feature is selected.	Cycle the machine off/on.
C	The SC history is updated. The machine can be operated as usual.	The SC will not be displayed. Only the SC history is updated.
D	Turning the main switch off then on resets SCs displayed on the operation panel. These are re-displayed if the error occurs again.	Cycle the machine off/on. Also see below.

When a Level "D" SC code occurs

When a Level D SC occurs, a screen opens on the operation panel to tell the operator:

- An error occurred
- The job in progress will be erased
- The machine will reboot automatically after approximately 30 seconds.

The operator can wait until the machine reboots automatically or touch "Reset" on the screen to reset the machine immediately and go back to the copy screen.

If the operator does not touch "Reset"

The next message tells the operator that the machine will reset automatically and that the previous job was lost and must be started again. After reading the message, the operator touches "Confirm" on the screen. The next screen shows the number and title of the SC code, and stops until the operator turns the machine off and on.

If the operator touches "Reset"

If the operator touches "Reset" to bypass the 30-second interval for the machine to reboot, the machine reboots immediately and the operation panel displays the copy screen.

Important

- Do not try to use the operation panel during an automatic reboot.
- If the Remote Service System is in use, the SC code is sent immediately to the Service Center.

SC Code Descriptions

Here are some important points to keep in mind when working with the SC codes:

- If a problem concerns a circuit board, disconnect and reconnect the connectors and then test the machine.

Often a loose or disconnected harness is the cause of the problem. Always do this before you decide to replace the PCB.

- If a motor lock error occurs, check the mechanical load before you decide to replace the motor or sensors.
- When a Level "A" or "B" SC occurs while in an SP mode, the machine cannot display the SC number. If this occurs, check the SC number after leaving the SP mode.
- The machine reboots automatically when the machine issues a Level "D" SC code. This is done for Level "D" SC codes only.
- Never turn off the main power switch when the power LED is lit or flashing. To avoid damaging the hard disk or memory, press the operation switch to switch the power off, wait for the power LED to go off, and then switch the main power switch off.
- The main power LED lights or flashes while the platen cover or ARDF is open, while the main machine is communicating with a facsimile or the network server, or while the machine is accessing the hard disk or memory for reading or writing data.

Here is summary of the SC code groups.

SC100	Image Scanning	
SC200	Image Writing	
SC300	Image Creation: Charge, Development, Around Drum	
SC400	Image Transfer, Cleaning, Other	
SC500	Paper Feed and Transport, Duplexing, Fusing	
SC600	Communications, Other	
SC700	Peripherals	
	SC700 – SC703	ADF
	SC720	Finisher, Booklet Finisher
	SC725	Multi Fold Unit
	SC735	Trimmer Unit
	SC740	Cover Interposer Tray
	SC750-SC754	Perfect Binder
	SC756	Ring Binder
SC800	Firmware, Controller	
SC900	Hardware, Controller	

SC100

SC101-01	D	Exposure lamp error
		The write level peak did not reach the prescribed level when the white plate was scanned. White plate scanning is attempted three times to compensate for the possibility of noise on the serial path to the SBU.
		• LED defective • IDB (LED driver) defective • SBU defective • IPU defective • Power harness, signal harness defective • Condensation in scanner unit • Mirror, lens defective. • White plate missing or not installed correctly, plate defective, plate dirty
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Inspect and clean mirror, lenses • Inspect and clean white plate • Replace LED exposure lamp • Replace IDB • Replace SIO • Replace SBU • Replace IPU • Replace power harness, signal harnesses

SC101-2	D	Exposure lamp error
		LED error flag occurred.
		• LED defective • IDB (LED driver) defective • Power harness, signal harness defective
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Replace LED exposure lamp • Replace IDB • Replace SIO • Replace power harness, signal harnesses

SC102-00	D	Exposure lamp adjustment error
		After the prescribed number of adjustments, the write level peak exceeded the prescribed value

		when the white plate was scanned.
		• LED defective • IDB (LED driver) defective • SBU defective • IPU defective • Power harness, signal harness defective
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Replace IDB • Replace SIO • Replace SBU • Replace IPU • Replace LED exposure lamp driver (or SIO) • Replace power harness, signal harness

SC120-00	D	Scanner home position error 1
		The scanner HP sensor did not go OFF : • During homing operation (power ON, leaving low power mode) • During auto adjustment (power ON, leaving low power mode) • During document, book scanning
		• SIO defective • Motor defective • HP sensor defective • Harness defective • Timing belt, pulley, wire, or carriage loose, defective
		• Replace SIO • Replace motor • Replace HP sensor • Replace harnesses • Inspect and replace timing belt, pulley, wire, or carriage

SC121-00	D	Scanner home position error 2
		The scanner HP sensor did not go ON : • During homing operation • During auto adjustment • During document, book scanning
		• SIO defective • Motor defective • HP sensor defective

		• Harness defective • Timing belt, pulley, wire, or carriage loose, defective
		• Replace SIO • Replace motor • Replace HP sensor • Replace harnesses • Inspect and replace timing belt, pulley, wire, or carriage

SC141-00	D	Black level adjustment error
		The black level did not reach the prescribed level after AGC (Automatic Gain Control) adjustment done immediately after power on, or when leaving lower power mode.
		• SBU defective • IPU defective • Power harness, signal harness defective
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Replace SBU • Replace IPU • Replace power harness, signal harness

SC142-00	D	White level detection error
		The white level did not reach the prescribed level after AGC (Automatic Gain Control) adjustment done immediately after power on, or when leaving lower power mode.
		• SBU defective • LED defective • IDB (LED driver) defective • IPU defective • Power harness, signal harness defective • Scanner drive defective • Condensation in scanner unit • Mirror, lens defective. • White plate missing or not installed correctly, plate defective, plate dirty
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Inspect, clean, and reset mirrors, lenses • Inspect, clean, and reset white plate • Replace SBU • Replace LED exposure lamp • Replace IDB

		• Replace IPU • Replace SIO • Replace power harness, signal harness

SC144-00	D	SBU Communication Error
		When the machine was switched on, or when the machine returned to full operation from the low power mode, the machine could not access the SBU register, or the SBU register values were abnormal.
		• SBU defective • BCU, IPU harness loose, disconnected, defective • Power harness, signal harness defective
		• Cycle the machine off/on • Inspect and reset power harness, signal harness • Replace SBU • Replace IPU • Replace BCU • Replace power harness, SBU-IPU harness, IPU-BCU harness

SC161-01	D	IPU Error (LSYNC defective)
		At power on, or when the machine recovered from low power mode, the IPU executed self-diagnostics and detected an error (LSYNC).
		• IPU (BCU, CTL) board defective (ASIC-LEO connection defective, LSYNC defective, etc.) • SBU-IPU (or BCU) board defective, harness defective
		• Replace harnesses between SBU-IPU, or SBU-BCU • Replace IPU or BCU board

SC161-02	D	IPU Error (Ri response error)
		An error occurred when the IPU was accessed.
		• IPU or BCU
		• Replace IPU board • Replace BCU board

SC165-00	D	Copy data security card error
		The optional copy data security card (also called “ICIB”) was not installed, even though the illegal copy function setting was done at initialization, or the ICIB was judged defective, the ICIB was judged defective when the machine was powered on or returned from low power mode.

		Note: This is the SD card that holds the firmware for the prohibit copy function that stops copying of currency, bank bonds, etc.
		• ICIB not installed, not installed correctly • ICIB option board defective
		• Inspect and reset ICIB option board installation • Replace ICIB option board

SC185-00	D	CIS communication error (ADF)
		The values read from the ASIC in the CIS register were different from the expected values, possibly due to a problem on the serial communication line between the CIS and ADF, or there was a problem with the initial value on the ASIC when the system was booted. Two attempts are made to obtain the correct values, and then this SC issues upon failure of the third attempt.
		• Connector loose, broken, defection on the harness between ADF and CIS • CIS ASIC defective • CIS ASIC not booting
		• Inspect and reset power harness, harness between ADF and CIS controller • Replace CIS + CIPB • Replace ADF main control board • Replace power harness, signal harness

SC186-00	D	CIS error light source error
		There was a problem with the light source mounted in the CIS device at initialization. The average value in the area at the leading edge in the main scan direction was lower than the value prescribed for shading peak data at initialization and original feed. The dual array CIS LED may be defective, so there is a large difference between the averaged value in the area of the leading edge in the main scan direction and the average value in the area of the trailing edge. The first, second detections trigger initial/feed jam alerts, the third detection issues this SC code.
		• CIS defective • Communication error • Insufficient light • CIS white roller dirty, damaged, or installed incorrectly
		• Inspect and reset the power harness, harnesses between the CIS-ADF main board, and CIS-IPU • Replace CIS + CIPB • Inspect, clean, and reset CIS white roller • Replace CIS white roller • Replace power harness, signal harness • Replace ADF main board

SC187-00	D	CIS black level check error
		Black level data not within range at black level creation when the black level was checked for the CIS device. The first, second detections trigger initial jam alerts, the third detection issues this SC code.
		• CIS device defective
		• Replace CIS + CIPB

SC188-00	D	CIS white level check error
		The results of the reading of peak data values from the CIS device were abnormal and not within range for white level target, and confirmation of the shading data peak values failed. (The target values for white level adjustment are set with SP4785-001, SP4784-001, SP47846-001.) The first, second detections trigger initial jam alerts, the third detection issues this SC code.
		• CIS device defective • Communication error • White roller behind the CIS damaged, dirty, or not installed correctly. • Insufficient light
		• Inspect and reset power harness, CIS-ADF main board harness, CIS-IPU harness • Replace CIS + CIPB • Inspect and clean CIS white roller, check installation • Replace power harness, signal harness

SC189-00	D	CIS gray balance check error
		The results of the gray balance check with SP4705-002 was not on target and varied from Chart GS20. This SC is issued if there is an error on the first check.
		• Adjustment chart defective (dirty, damaged) • CIS device defective
		• Replace adjustment chart

SC195-00	D	Machine number code error
		An 11-digit code is required.
		• The entered 11-digit code does not match
		• Enter the correct 11-digit code

SC200

SC202-00	D	Polygon motor ON timeout error
		After the polygon motor turned on, or within 15 sec. after the rpm's changed, the motor did not enter READY status. **Note**: There are no replaceable parts in the laser unit. If any part is defective, the laser unit must be replaced.
		• Polygon motor drive board I/F connector loose, broken, defective • Polygon motor or polygon motor driver motor defective. • Polygon motor pulse not output correctly, or no XSCRDY signal detected due to defective motor control board.
		• Cycle the machine off/on • Replace polygon motor • Replace IPU • Replace the laser unit

SC203-00	D	Polygon Motor OFF Timeout Error
		The polygon motor lock signal (XSCRDY signal) failed to unlock (go HIGH) within 3 sec. after the polygon motor went OFF.
		• Polygon motor drive board I/F connector loose, broken, defective • Polygon motor or polygon motor driver motor defective. • Polygon motor pulse not output correctly, or no XSCRDY signal detected due to defective motor control board.
		• Cycle the machine off/on • Replace polygon motor • Replace IPU • Replace the laser unit

SC204-00	D	Polygon motor error
		A error was detected in the rotation of the motor.
		• Polygon motor drive board I/F connector loose, broken, defective • Polygon motor or polygon motor driver motor defective.
		• Cycle the machine off/on • Replace polygon motor harness • Replace laser unit

SC210-00	C	Trailing edge beam error
		The calculated magnification rate between two points was not within specification.
		• Beam detection unit I/F harness loose, broken, defective

		• Beam detection defective • Beam photo-detector not functioning • IPU defective • LD driver defective • LDB defective • BCU defective
		• Cycle the machine off/on • Replace IPU • Replace BCU • Replace laser unit

SC220-00	D	Laser synchronization detection error
		A signal was not output from the LSDB after more than 100 ms (100 ms x2) after the LD fired.
		• Synchronization detection unit I/F harness loose, broken, defective • Synchronization detection unit defective • Beam photo-detector out of alignment • Image write ASIC defective • LD driver defective • LDB defective • BCU defective
		• Cycle the machine off/on] • Replace IPU • Replace BCU • Replace laser unit

SC230-00	D	FGATE failed to go ON
		The FGATE signal did not go ON within the 250 ms after printing started.
		• IPU write error • Poor connection between BCU, controller board • BCU, IPU or controller board defective • Harness from BCU to LDB loose, broken, defective
		• Cycle the machine off/on • Replace IPU • Replace BCU • Replace controller board • Replace LDB harness

SC231-00	D	FGATE failed to go OFF
		After the FGATE signal went on, it failed to go OFF within the prescribed time.
		• Write ASIC defective • Image processing ASIC defective
		• Cycle the machine off/on • Replace IPU

SC240-00	D	LD Error
		When the LD initialized, the LD error status was asserted twice for the LD driver.
		• LD deteriorated, defective • LDB harness loose, broken, defective • LD drive board defective
		• Cycle the machine off/on • Replace LDB harness

SC270-00	D	BCU-LDB communication error
		At start up there was a communication error between the BCU and LDB
		• Write ASIC defective • ASIC on BCU (HORUS) defective • BCU, IPU defective • Harness loose, broken, defective
		• Cycle the machine off/on • Replace IPU • Replace BCU • Replace LDB harness • Replace laser unit

SC270-10	D	BCU-LDB communication error: Other
		At startup, the machine did not detect the ASIC
		• Write ASIC defective • ASIC (HORUS) on BCU defective • IPU, BCU defective • Harness defective • Interlock switch defective
		• Cycle the machine off/on • Replace LDB harness • Replace IPU • Replace BCU

		• Replace laser unit

SC274-00	D	Image transfer error
		The image transfer data generated an error.
		• Harness defective • LDB defective • IPU defective • Write ASIC defective
		• Cycle the machine off/onn • Replace LDB harness • Replace IPU • Replace laser unit

SC276-00	D	APC chip communication error
		The APC chip on the LDB is not responding.
		• LDB defective
		• Cycle the machine off/on • Replace the laser unit

SC300

SC300-00	D	Charge corona wire voltage error 1
		Charge wire voltage fell below the prescribed value.
		• Voltage leak • Signal harness loose, broken, defective
		• Cycle the machine off/on • Confirm location of voltage leak • Check charge corona unit installation, reset • Check charge corona unit harnesses • Replace charge wire • Replace CGB unit

SC301-00	D	Charge corona wire voltage error 2
		Charge wire voltage fell below the prescribed value.
		• Voltage leak • Signal harness loose, broken, defective
		• Cycle the machine off/on • Confirm location of voltage leak • Check charge corona unit installation, reset • Check charge corona unit harnesses • Replace charge wire • Replace CGB unit

SC304-00	D	Charge grid voltage error
		Grid voltage dropped below the prescribed voltage.
		• Leak or charge unit not set correctly • Charge corona unit not set correctly • Charge corona unit open • Charge corona unit harness loose, broken, defective • High voltage harness loose, broken, defective
		• Cycle the machine off/on • Confirm location of voltage leak • Check charge corona unit installation, reset • Check charge corona unit harnesses • Replace charge wire • Replace CGB unit

SC308-00	D	Charge wire cleaner position error

		Charge wire cleaning motor operation error, or wire cleaner motor HP sensor error.
		• Motor not operating correctly • Motor, gear, cleaning pad not installed correctly • Charge unit not set correctly • Pad movement blocked by obstacle
		• Cycle the machine off/on • Reset charge unit • Check for obstacles interfering with motor operation • Inspect cleaner motor harness, replace harness • Replace motor • Replace gear • Inspect slider screws, replace pads

SC316-00	C	Quenching lamp error
		The potential sensor cannot detect a reading from the light reflected onto the drum by the LED.
		• Connector loose, broken, defective • Harness damaged • QL LED defective
		• Replace quenching lamp LED harness • Replace quenching lamp LED

SC320-00	D	Development Bias Error
		Development bias has dropped lower than the prescribed voltage.
		• Voltage leak • Signal harness loose, broken, defective
		• Cycle the machine off/on • Determine location of voltage leak

SC325-00	D	Development motor error
		The machine detected an error on the drive board of the development motor. The drive board is permanently attached to the motor.
		• Motor connector loose, broken, defective • Overload on development unit drive mechanism due to obstruction • Motor drive board defective
		• Reset the development motor harness • Inspect the development unit and remove any foreign obstacles • Replace the development motor

SC332-10	D	Toner supply motor error
		A toner supply bottle has locked and is not rotating.
		• Toner bottle set incorrectly • Overload due to obstruction preventing bottle from rotating • Toner bottle motor broken, defective
		• Reset toner bottle motor harness • Reset toner bottle • Replace toner bottle motor • Do **SP3157-001** to cancel the SC error for the toner motor • Cycle the machine off/on

SC336-01	D	Developer set error (K)
		The TD sensor control voltage (Vcnt = 4.3V) output (Vt) was less than 0.7V.
		• Developer not completely installed
		• Install the developer remaining in the bottle

SC348-01	D	Toner supply error
		Toner was not detected in the development unit, or the development unit augur is not operating correctly.
		• Toner encoder cleaning PET sheet broken • Toner encoder sensor cleaning PET sheet defective • Toner encoder sensor defective • Toner feed motor defective • Toner agitator motor defective
		• Replace toner supply unit • Replace toner end sensor • Replace toner supply motor • Replace toner agitator motor

SC360-01	D	TD sensor calibration error (K)
		When the TD sensor was initialized, the TD sensor output could not be adjusted within ±0.1V of target Vt.
		• TD sensor harness broken • TD sensor dirty, or installed incorrectly • TD sensor defective • TD sensor attempted a reading of developer that has not been initialized
		• Replace developer • Replace TD sensor

		• Replace development unit

SC361-01	D	TD sensor output error 1: Vt above upper limit
		The TD sensor output (Vt) was greater than 4.7V (SP3210-1) 20 consecutive times.
		• Toner density extremely low
		• Check the toner supply system

SC362-01	D	TD sensor output error 1: Vt below lower limit
		The TD sensor output (Vt) was less than 0.5V (SP3210-001) 10 consecutive times.
		• TD sensor connector loose, broken, defective • TD sensor defective
		• Check TD sensor harness connection • TD sensor broken, defective • Replace TD sensor

SC370-00	D	ID sensor calibration error
		The ID sensor Vsg_reg could not be initialized to 4±0.5V.
		• Image transfer belt wrinkled, off center, or damaged
		• Inspect ITB • Check belt installation • Replace ITB

SC371-00	D	ID sensor output error: Background reflected output
		The output reflected from the surface of the drum was Vsg_reg < 0.5V.
		• ID sensor connector loose, broken, defective • ID sensor defective
		• Check ID sensor harness connection • Replace ID sensor

SC372-00	C	ID sensor LED current upper limit error
		ID sensor (PWM) value is greater than the threshold value set by SP3320-15 (Default: 0).
		• ID sensor dirty • ID sensor defective, worn out • ITB dirty, damaged, worn out
		• Clean the window of the ID sensor with dry cloth • Replace ID sensor • Clean ITB unit, especially around the belt

SC373-01	D	ID sensor pattern density high error
		The density of the black reading in the ID sensor patterns created between pages (SP3300-1) is greater than the threshold value set by SP3301-21.
		• Over supply of toner
		• Replace toner supply unit

SC374-01	D	ID sensor pattern density low error
		The density of the black reading in the ID sensor patterns created between pages (SP3300-1) was less than the threshold value set by SP3301-23, three times in succession.
		• Development bias defective (poor conductivity) • Image transfer to belt error
		• Check development unit bias terminals • Check ITB unit

SC381-01	D	Potential sensor output high error
		The potential sensor reading of the unexposed surface of the drum was Vd (700) > -800V. The Vd detected for process control at the start of a continuous job was more than 700V
		• Window on the probe of the potential sensor is dirty, covered with toner
		• Check the potential sensor probes, clean with blower brush • Replace ID sensor

SC382-01	D	Potential sensor output low error
		Potential sensor reading of the unexposed surface of the drum was Vd (700) < -500V. The Vd is checked by the potential sensor for process control at the beginning of long, continuous print jobs
		• Window on the probe of the potential sensor is dirty, covered with toner
		• Check the harness, connectors between the IOB and potential sensor for damage, loose connection • Replace potential sensor

SC395-00	D	Drum motor error
		An error signal was detected on the drive board of the drum motor. (The motor driver board and motor are permanently attached.)
		• Drum motor harness loose, broken, defective • Excessive torque on the drum, possibly due to a snagging cleaning blade • Drum motor drive board defective
		• Check drum motor harness connection • Check area around drum for obstructions that could intefere with rotation of the drum

		• Replace drum motor

SC400

SC400-01	D	Development gamma high error
		Development gamma was greater than 3.0, probably due to excessive condensation. Toner density is too high.
		• Toner density excessive • Condensation
		• Allow the machine to remain idle for a few hours so condensation can evaporate, and then execute process control • Replace development unit

SC401-01	D	Development gamma low error
		Development gamma was less than 3.0, probably due to excessive condensation. Toner density is too low.
		• Toner density excessive • Dust shield glass dirty • Image transfer power pack defective
		• Check for blockages in the toner supply path between the toner bottle and the development unit • Clean the dust shield glass • Replace the transfer power pack

SC402-51	D	Development gamma calculation error 1: Insufficient data
		Two points not available for gamma calculation. Toner density abnormal, probably due to condensation.
		• Toner density excessive • Condensation
		• Allow the machine to remain idle for a few hours so condensation can evaporate, and then execute process control • Replace developer

SC402-61	D	Development gamma calculation error 2: LD misfire
		No gradation pattern was created on the drum for process control.
		• LD misfire
		• Check laser unit • Cheeck the boards

SC403-01	C	Development start voltage error 1: Vk High
		The development start voltage (Vk) was higher than -300V due to abnormal toner density.

		• Toner density abnormal
		• Replace developer

SC404-01	C	Development start voltage error 2: Vk Lolw
		The development start voltage (Vk) was lower than -300V due to abnormal toner density caused by condensation.
		• Toner density excessive • Condensation
		• Replace developer • Allow the machine to remain idle for a few hours so condensation can evaporate, and then execute process control

SC410-01	C	Residual voltage error
		Residual voltage, the trace amount of voltage remaining on the drum after charge quenching with the QL, was above -200V.
		• Drum worn, replace drum
		• Replace drum

SC411-01	C	Charge potential error: Vd adjustment error
		Charge DC bias cannot be adjusted to target Vd ±8V.
		• Charge corona unit dirty
		• Clean charge corona wire • Replace charge wire cleaning pads • Replace charge corona unit

SC412-01	C	Potential sensor Vl adjustment error 1
		The LD power could not be adjusted to the target for Vpl±5V. Vl is the OPC drum potential after maximum laser exposure. The potential sensor measures Vl by reading the white patches of the potential sensor pattern. To change Vl, the machine adjusts the input current (Vpl) of the laser diode.
		• OPC drum worn, filming • Charge corona unit dirty
		• Clean charge corona wire • Replace charge corona wire cleaning pads • Replace charge corona unit • Replace drum

SC412-	D	Potential sensor Vl adjustment error 2

11		Vl is the reading of white patches on the potential sensor pattern on the drum after maximum laser exposure.
		• Surface of drum has deteriorated and collected film. • Charge wire in the CGB unit is dirty • Drum dust filter is dirty
		• Clean CGB unit • Replace drum filter • Replace drum

SC440-01	D	Image transfer power pack error 1: Voltage leak
		The machine detected a voltage leak at the image transfer power pack.
		• Power leak at the paper transfer power pack of PTR unit • Image transfer PP harness loose, broken, defective • IOB defective • ITB defective
		• Replace ITB • Replace image transfer roller • Replace image transfer transfer power pack • Replace IOB

SC440-11	D	Image transfer power pack error 2: Low voltage
		A sampling of the image transfer power pack voltage detected it was less than 0.1kV.
		• Image transfer power pack malfunction • Transfer power pack harness loose, broken, defective
		• Check transfer power pack harness connection for damage • Replace transfer power pack

SC443-00	D	Image transfer roller error
		The machine detected that the electrical resistance of the roller exceeded the allowed limit, indicating that the service life of the roller has expired or there could be a problem with the transfer power pack.
		• High-voltage harness to image transfer roller loose, broken, defective • Poor contact at bias terminal between the image transfer roller and ITB because roller not set correctly, or harness loose, broken, defective • Image transfer power pack defective
		• Replace image transfer roller • Check image transfer power pack installation and harness connections for damage • Replace image transfer power pack

SC446-00	D	Transport belt motor error
		The machine detected an error signal on the drive board of the transfer belt motor. (The motor drive board and motor are permanently attached.)
		• Motor connector loose, broken, defective • Excessive load on the ITB unit drive mechanism due to obstruction • Motor drive board defective
		• Transfer belt motor harness loose, broken, defective • Inspect ITB unit and remove any foreign blockages • Replace transfer belt motor

SC450-01	D	PTR leak error
		Samplings of PTR voltage (done every 10 ms) detected 50 consecutive voltage errors within 500 ms.
		Voltage leak detected at the paper transfer roller (PTR) power pack
		PTR power pack leak
		• Replace PTR belt • Replace paper transfer roller • Replace transfer power pack • Replace IOB

SC450-11	D	Transfer separation power pack error: Low voltage
		During the execution of bias feedback control, the machine detected that the output of the paper transfer power pack was less than 0.1 kV.
		• Transfer separation power pack harness loose, broken, defective • Transfer separation power pack defective
		• Check transfer power pack harnesses • Replace transfer separation power pack

SC453-00	D	PTR bias roller error
		The machine detected that the eoslectrical resistance of the PTR bias roller exceeded the allowed limit, indicating that the service life of the roller has expired. **Note:** When this occurs, the machine will display a message to alert the operator that the service life of the roller is about to expire, and that they should call for service to procure a replacement roller.
		• PTR bias roller service life expired • Harness between PTR bias roller and transfer power pack is loose, broken, defective • PTR terminal contact damaged • Transfer separation power pack defective

		• Replace PTR bias roller • Check power pack installation, and check harness condition and connections • Replace high voltage supply power pack

SC460-01	D	Transfer separation power pack leak error
		The machine detected a voltage leak at the transfer separation power pack. The voltage is sampled every 250 ms, and 10 consecutive errors were detected within 10 ms.
		• Voltage leak at the paper transfer roller (PTR) power pack.
		• Replace harness of transfer separation power pack • Replace transfer separation power pack • Replace IOB • Be sure to execute SP2324-002 to cancel the SC error message.

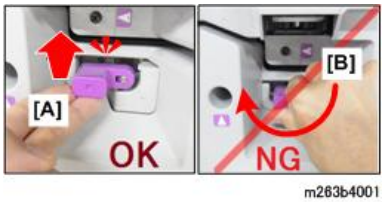
SC465-00	D	PTR motor error
		The machine detected an error signal on the PTR motor drive board. (The motor drive board and motor are permanently attached.)
		• PTR motor harness disconnected or broken • Excessive torque on the PTR drive mechanism, due to obstruction • Motor defective
		• Check motor harness connection • Inspect PTR unit and remove any obstacles that could interfere with operation of the unit • Replace PTR motor

SC466-00	D	PTR separation error
		The PTR separation motor was operating but the PTR separation sensor failed to detect the feeler that triggers detection of the PTR separation sensor. After the motor switched on, the feeler remained at the OFF position and the feeler of the home position sensor was not detected at the ON position within 1000 ms.
		• PTR unit installed incorrectly • Sensor dirty • Motor harness disconnected or broken • Motor or sensor defective
		• Clean home position sensor, or replace home position sensor • Check installation of the motor and sensor harnesses • Replace PTR separation motor

SC471-01	D	Belt position ready timeout
		The machine could not center the ITB correctly at power on. ITB could not be centered

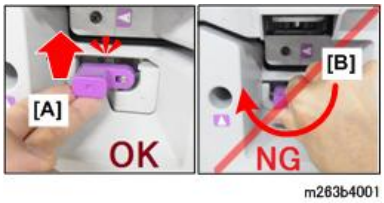
		correctly within the time specified for SP2920-013, which initializes the steering control of the belt, to execute.
		• Belt position sensor defective • Centering mechanism control pulleys loose, disconnected, installed incorrectly
		• Reset the belt • Replace belt position sensor

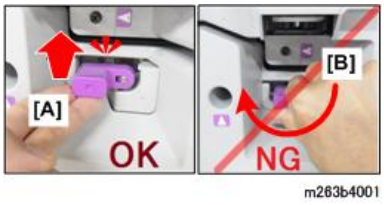
SC471-02	D	Belt centering roller HP error
		The belt centering roller sensor did not detect the belt centering roller at HP during initialization (the sensor status did not change).
		• Belt centering motor harness loose, broken, defective • Belt centering HP sensor harness loose, broken, defective • Belt centering motor defective • Belt centering HP sensor defective
		• Replace belt centering motor • Replace belt centering HP sensor

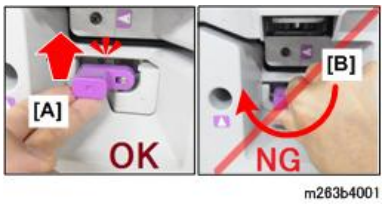
SC471-03	C	ITB position error 1
		• The belt centering sensor detected the ITB out of position at the trailing edge by more than 2 mm at position initialization, and at power on. • Belt centering did not start at position initialization or at power on.
		• Belt centering sensor defective • Belt centering mechanism (wire) jammed, not operating
		• Check ITB belt sensor harness connection, or replace sensor • Check and reset the ITB **Note**: Push the ITB lever up with firm pressure on the lever [A] to lock it in place. Do not twist it [B]. 

SC471-04
RTB 28

SC471-04	D	ITB position error 2
		The front edge of the belt is out of position. This is an overrun error, and the position of the belt cannot be initialized. • The output of the belt position sensor (Va) is less than the threshold value set for SP2920-007.

		• The output value of the overrun threshold (Vb) is less than the threshold value set for SP2920-011. • After the length of time set with SP2020-12 (overrun timeout) expired, the readings of Vb and Va above had not changed.
		• Belt initial position error • Belt centering sensor defective • Steering mechanism defective
		• Check belt position and reset it • Replace belt position sensor **Note**: Push the ITB lever up with firm pressure on the lever [A] to lock it in place. Do not twist it [B].  m263b4001

SC471-05	D	ITB position error 3
		The rear edge of the belt is out of position. This is an overrun error, and the position of the belt cannot be initialized. • The output of the belt position sensor (Va) is less than the threshold value set for SP2920-007. • The output value of the overrun threshold (Vb) is less than the threshold value set for SP2920-011. • After the length of time set with SP2020-12 (overrun timeout) expired, the readings of Vb and Va above had not changed.
		• Belt initial position error • Belt centering sensor defective • Steering mechanism defective
		• Check belt position and reset it • Replace belt position sensor **Note**: Push the ITB lever up with firm pressure on the lever [A] to lock it in place. Do not twist it [B].  m263b4001

SC471-06	D	Belt centering sensor error
		The readings of the belt centering sensor dropped below one volt after the prescribed number of samplings.
		• Belt centering sensor defective • Steering mechanism defective
		• Check belt position and reset it • Replace belt position sensor **Note**: Push the ITB lever up with firm pressure on the lever [A] to lock it in place. Do not twist it [B]. 

SC480-00	D	Drum cleaning motor error
		The machine detected an error on the drive board of the drum cleaning motor. (The drive board and motor are permanently attached.)
		• Drum cleaning drive motor harness loose, broken, defective • Excessive torque on the drum cleaning unit, locked • Drum cleaning motor defective
		• Check and reset connection of drum cleaning motor • Remove any foreign obstacles around the motor that could interfere with its operation • Replace drum cleaning motor

SC485-00	D	Used toner transport motor error
		The machine detected an error on the drive board of the used toner transport motor. (The board and motor are permanently attached.)
		• Used toner transport motor harness loose, broken, defective • Excessive torque on the used toner transport unit, due to toner blockage, auger locked • Motor drive board defective
		• Check harnesses of the motor for loose, broken connection • Remove any blockages around the motor that could interfere with its operation • Replace used toner transport motor

SC486-00	D	Used toner bottle motor error
		The machine detected an error on the drive board of the used toner bottle motor. (The board and motor are permanently attached.)

		• Used toner bottle motor harness loose, broken, defective • Used toner bottle motor
		• Check and reset used toner bottle motor oonnection • Replace used toner bottle motor

SC488-00	D	Used toner transport blockage
		Used toner was not moving to the used toner bottle.
		• Used toner transport path blocked, not operating
		• Disassemble and clean used toner path • Clean the shade plate of the used toner lock sensor, or replace it

SC497-00	C	Temperature/humidity sensor error (PCDU)
		The machine detected a problem with the temperature/humidity sensor located near the front edge of the PCDU.
		• Sensor harness disconnected or broken • Sensor defective
		• Reset, replace harness • Replace temperature/humidity sensor

SC498-00	C	Temperature/Humidity Sensor Error (Main)
		The machine detected a problem at the temperature/humidity sensor located under the used toner bottle at the rear of the machine. The machine reads this sensor every time the machine is cycled off/on. This SC is issued if either the temperature (23°C - 73.4°F) or humidity (50%) sensor fails, but the normal sensor continues to operate.
		• Sensor harness disconnected or broken • Sensor defective
		• Check and reset connector • Replace temperature/humidity sensor

SC500

SC501-01	B	Tray 1 bottom plate lift error 1
		One of the following occurred at the start of the job: • The tray 1 lift sensor does not switch on 10 s after the tray lift motor switches on and starts lifting the bottom plate. • The tray lift sensor was on before the pick-up solenoid switched on.
		• Tray lift motor harness disconnected or broken • Paper or other obstacle trapped between tray and motor • Pick-up solenoid disconnected or broken • Paper or other obstacle blocking operation of pick-up solenoid
		• Cycle the machine off/on • Replace tray lift motor harness, or replace motor • Replace pickup solenoid harness, or replace solenoid • Replace tray lift sensor harness or replace sensor • Replace IOB

SC501-02	B	Tray 1 bottom plate lift error 2
		The upper limit sensor did not go LOW within 2 sec. after the tray lowered at paper end, and the machine prompts the operator to reset the tray. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be disabled. However the other trays can still be used.
		• Lift motor harness loose, broken, defective • Paper or other obstacle trapped between tray and motor • Pick-up solenoid harness loose, broken, defective • Paper or other obstacle blocking operation of pick-up solenoid
		• Pull the tray out and push it back in to cycle the sensor off/on • Replace the lift motor harness, or replace motor • Check mechanical operation of solenoid and make sure that it is not blocked • Replace pick-up solenoid harness, or replace solenoid • Replace upper limit sensor harness, or replace sensor • Replace IOB

SC501-03	B	Tray 1 bottom plate lift error 3
		The lower limit sensor did not go LOW within 10 sec. after the tray lowered at paper end, and the machine prompts the operator to reset the tray. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be

		disabled. However the other trays can still be used.
		• Lift motor harness loose, broken, defective • Paper or other obstacle trapped between tray and motor • Paper or other obstacle blocking operation of pick-up solenoid
		• Cycle the machine off/on • Replace the lift motor harness, or replace motor • Replace lower limit sensor harness, or replace sensor • Replace IOB

SC501-04	C	Tray 1 rear fence motor error
		One of the following occurred: • The return sensor does not switch on within 10 sec. after the rear fence motor switches on. • The HP sensor does not switch on 10 sec. after the rear fence motor switches on. • The machine prompted the operator to reset the tray.
		• Rear fence motor harness disconnected or broken • Paper or other obstacle interfering with operation of the sensors • Overload caused by paper or other obstacle trapped between tray and motor • Return sensor or HP sensor defective
		• Check operation of rear fence and make sure nothing is interfering with its operation • Pull out then push in tray to cycle the sensor off/on • Replace rear fence return motor harness, or replace motor • Replace rear fence return sensor harness, or replace sensor • Replace rear fence HP sensor harness, or replace sensor

SC502-01	B	Tray 2 bottom plate lift error 1
		One of the following occurred at the start of the job: • The tray 2 lift sensor does not switch on 10 s after the tray lift motor switches on and starts lifting the bottom plate. • The tray lift sensor was on before the pick-up solenoid switched on. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be disabled. However the other trays can still be used.
		• Tray lift motor harness disconnected or broken • Paper or other obstacle trapped between tray and motor • Pick-up solenoid disconnected or broken, or paper or other obstacle blocking operation of pick-up solenoid • Tray lift sensor harness loose, broken, defective or sensor defective
		• Cycle the machine off/on

		• Replace tray lift motor harness, or replace motor • Check mechanical operation of the solenoid • Replace pick-up solenoid harness, or replace solenoid • Replace lift sensor harness, or replace sensor • Replace IOB

SC502-02	B	Tray 2 bottom plate lift error 2
		The lower limit sensor did not go LOW within 2 sec. after the tray lowered at paper end, and the machine prompts the operator to reset the tray. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be disabled. However the other trays can still be used.
		• Lift motor harness loose, broken, defective • Paper or other obstacle trapped between tray and motor • Pick-up solenoid harness loose, broken, defective, or paper or other obstacle blocking operation solenoid
		• Cycle the machine off/on • Replace the lift motor harness, or replace motor • Check mechanical operation of solenoid • Replace pick-up solenoid harness, or replace solenoid • Replace lift sensor harness, or replace sensor • Replace IOB

SC503-01	B	Tray 3 bottom plate lift error 1
		One of the following occurred at the start of the job: • The tray 3 lift sensor does not switch on 10 s after the tray lift motor switches on and starts lifting the bottom plate. • The tray lift sensor was on before the pick-up solenoid switched on. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be disabled. However the other trays can still be used.
		• Tray lift motor harness disconnected or broken • Paper or other obstacle trapped between tray and motor • Pick-up solenoid disconnected or broken, or paper or other obstacle blocking operation of pick-up solenoid • Tray lift harness loose, broken, defective, or harness defective
		• Cycle the machine off/on • Replace tray lift motor harness, or replace motor • Check mechanical operation of pick-up solenoid

		• Replace pick-up solenoid harness, or replace solenoid • Replace tray lift sensor harness, or replace sensor • Replace IOB

SC503-02	B	Tray 3 bottom plate lift error 2
		Low limit position of the tray not detected with 2 sec. after paper end and tray lowering. After the second detection the machine will prompt the operator to reset the tray by pulling it out and pushing it in to recycle detection off/on. If this fails after the third attempt, the machine will issue this SC and the tray will be disabled. However the other trays can still be used.
		• Lift motor harness loose, broken, defective • Paper or other obstacle trapped between tray and motor • Pick-up solenoid harness loose, broken defective, or paper or other obstacle blocking operation of pick-up solenoid • Tray lift sensor harness loose, broken, defective, or harness defective
		• Cycle the machine off/on • Replace tray lift motor harness, or replace motor • Check mechanical operation of pick-up solenoid • Replace pick-up solenoid harness, or replace solenoid • Replace tray lift sensor harness, or replace sensor • Replace IOB

SC504-01	B	A4 LCT Tray 1 lift error
		When the tray was initialized, the upper limit sensor failed to detect 3 times before the pick-up solenoid went ON. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness broken, defective, or solenoid defective • Upper limit sensor harness broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Replace pick-up solenoid harness, or solenoid • Set upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC504-	B	A4 LCT Tray 1 timeout error

02		The bottom plate upper limit sensor did not go ON within 10 sec. after the LCT initialized and the bottom plate was lifted. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness broken, defective, or motor defective • Upper limit sensor harness broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Replace lift motor harness, or replace motor • Replace lift sensor harness, or replace sensor • Replace LCT main board harness • Replace LCT main board

SC504-11	B	A3 LCT Tray 1 upper limit detection error
		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC504-12	B	A3 LCT Tray 1 timeout error
		The upper limit sensor did not go ON within 8 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor

		• Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC504-16	B	A3 LCT Tray 1 front blower fan error
		The front blower fan was not detected at HIGH within 1 sec. after the fan switched ON and the LD signal check started.
		• Front blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset front fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC504-17	B	A3 LCT Tray 1 rear blower fan error
		The rear blower fan was not detected at HIGH within 1 sec. after the fan switched ON and the LD signal check started.
		• Rear blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset rear fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC504-22	B	Vacuum Feed LCIT 1: 1st Tray Error (Lifting Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the sub paper remaining sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • sub paper remaining sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected

		• A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main boad.

SC504-23	B	Vacuum Feed LCIT 1: 1st Tray Error (Lowering Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the sub paper remaining sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the sub paper remaining sensor are still OFF 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC504-24	B	Vacuum Feed LCIT 1: 1st Tray Error (Paper overload error)
		During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.

		• Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC504-25	B	Vacuum Feed LCIT 1: 1st Tray Error (Bottom plate ascending too much)
		The tray is set and the tray upper limit sensor detected that the bottom plate ascended too much.
		• Tray upper limit sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the tray upper limit sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC504-26	B	Vacuum Feed LCIT 1: 1st Tray Error (Side Fan: Front Error)
SC504-27	B	Vacuum Feed LCIT 1: 1st Tray Error (Side Fan: Rear Error)
SC504-28	B	Vacuum Feed LCIT 1: 1st Tray Error (Float Fan error)
SC504-29	B	Vacuum Feed LCIT 1: 1st Tray Error (Separation Fan error)
SC504-30	B	Vacuum Feed LCIT 1: 1st Tray Error (Suction Fan 1 error)

SC504-31	B	Vacuum Feed LCIT 1: 1st Tray Error (Suction Fan 2 error)
		During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).
		• Fan defective/disconnected • Harness to the corresponding fan is broken. • Main board defective
		• Replace or reconnect the fan. • Replace the broken harness. • Replace the main board.

SC504-32	C	Vacuum Feed LCIT 1: 1st Tray Error (Sub Paper Remaining Sensor or Lower Limit Sensor Error)
		• During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the sub paper remaining sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the sub paper remaining sensor were ON for 100 msec.
		• Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC504-33	C	Vacuum Feed LCIT 1: 1st Tray Error (Sub Paper Remaining Sensor Error)
		• During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor.

		• Replace the broken harness. • Replace the main board.

SC504-34	B	Vacuum Feed LCIT 1: 1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		• The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • Main board defective
		• Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the main board.

SC505-01	B	A4 LCT Tray 2 upper limit detection error
		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC505-02	B	A4 LCT Tray 2 timeout error
		The upper limit sensor did not go ON within 10 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected

		• LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC505-11	B	A3 LCT Tray 2 upper limit detection error
		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC505-12	B	A3 LCT Tray 2 timeout error
		The upper limit sensor did not go ON within 27 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC505-16	B	A3 LCT Tray 2 front blower fan error
		The front blower fan was not detected at HIGH within 700 ms. after the fan switched ON and

		the LD signal check started.
		• Front blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset front fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC505-17	B	A3 LCT Tray 2 rear blower fan error
		The rear blower fan was not detected at HIGH within 1 sec. after the fan switched ON and the LD signal check started.
		• Rear blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset rear fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC505-22	B	Vacuum Feed LCIT 1: 2nd Tray Error (Lifting Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the sub paper remaining sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2.

		• Replace the broken harness. • Replace the main board.

SC505-23	B	Vacuum Feed LCIT 1: 2nd Tray Error (Lowering Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the sub paper remaining sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the sub paper remaining sensor are still OFF 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC505-24	B	Vacuum Feed LCIT 1: 2nd Tray Error (Paper overload error)
		During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.
		• Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Reduce the number of sheets of paper loaded in the tray.

		• Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC505-25	B	Vacuum Feed LCIT 1: 2nd Tray Error (Bottom plate ascending too much)
		The tray is set and the tray upper limit sensor detected that the bottom plate ascended too much.
		• Tray upper limit sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the tray upper limit sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC505-26	B	Vacuum Feed LCIT 1: 2nd Tray Error (Side Fan: Front Error)
SC505-27	B	Vacuum Feed LCIT 1: 2nd Tray Error (Side Fan: Rear Error)
SC505-28	B	Vacuum Feed LCIT 1: 2nd Tray Error (Float Fan error)
SC505-29	B	Vacuum Feed LCIT 1: 2nd Tray Error (Separation Fan error)
SC505-30	B	Vacuum Feed LCIT 1: 2nd Tray Error (Suction Fan 1 error)
SC505-31	B	Vacuum Feed LCIT 1: 2nd Tray Error (Suction Fan 2 error)
		During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).
		• Fan defective/disconnected • Harness to the corresponding fan is broken. • Main board defective

		• Replace or reconnect the fan. • Replace the broken harness. • Replace the main board.

SC505-32	C	Vacuum Feed LCIT 1: 2nd Tray Error (Sub paper Remaining sensor or Lower Limit Sensor error)
		• During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the sub paper remaining sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the sub paper remaining sensor were ON for 100 msec.
		• Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC505-33	C	Vacuum Feed LCIT 1: 2nd Tray Error (Sub Paper Remaining Sensor Error)
		• During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC505-34	B	Vacuum Feed LCIT 1: 2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		• The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected

		• Harness broken • Main board defective
		• Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the main board.

SC506-01	B	A4 LCT Tray 3 upper limit detection error
		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC506-02	B	A4 LCT Tray 3 timeout error
		The upper limit sensor did not go ON within 10 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC506-	B	A3 LCT Tray 3 upper limit detection error

11		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC506-12	B	A3 LCT Tray 3 timeout error
		The upper limit sensor did not go ON within 8 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC506-16	B	A3 LCT Tray 3 front blower fan error
		The front blower fan was not detected at HIGH within 700 ms. after the fan switched ON and the LD signal check started.
		• Front blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset front fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC506-17	B	A3 LCT Tray 3 rear blower fan error
		The rear blower fan was not detected at HIGH within 1 sec. after the fan switched ON and the LD signal check started.
		• Rear blower fan harness loose, broken, defective, or fan defective • Fan harness defective • LCT main control board defective
		• Reset rear fan harness, or replace fan • Replace front fan harness • Replace LCT main control board

SC506-22	B	Vacuum Feed LCIT 2: 1st Tray Error (Lifting Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the sub paper remaining sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC506-23	B	Vacuum Feed LCIT 2: 1st Tray Error (Lowering Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1

		or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the sub paper remaining sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the sub paper remaining sensor are still OFF 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board .

SC506-24	B	Vacuum Feed LCIT 2: 1st Tray Error (Paper overload error)
		During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.
		• Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC506-25	B	Vacuum Feed LCIT 2: 1st Tray Error (Bottom plate ascending too much)

		The tray is set and the tray upper limit sensor detected that the bottom plate ascended too much.
		• Tray upper limit sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the tray upper limit sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC506-26	B	Vacuum Feed LCIT 2: 1st Tray Error (Side Fan: Front Error)
SC506-27	B	Vacuum Feed LCIT 2: 1st Tray Error (Side Fan: Rear Error)
SC506-28	B	Vacuum Feed LCIT 2: 1st Tray Error (Float Fan error)
SC506-29	B	Vacuum Feed LCIT 2: 1st Tray Error (Separation Fan error)
SC506-30	B	Vacuum Feed LCIT 2: 1st Tray Error (Suction Fan 1 error)
SC506-31	B	Vacuum Feed LCIT 2: 1st Tray Error (Suction Fan 2 error)
		During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).
		• Fan defective/disconnected • Harness to the corresponding fan is broken. • Main board defective
		• Replace or reconnect the fan. • Replace the broken harness. • Replace the main board.

SC506-32	C	Vacuum Feed LCIT 2: 1st Tray Error (sub paper remaining sensor or Lower Limit Sensor error)
		• During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the sub paper remaining sensor does not become ON.

		• During tray initialization, both the Lower Limit Sensor and the sub paper remaining sensor were ON for 100 msec.
		• Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC506-33	C	Vacuum Feed LCIT 2: 1st Tray Error (Sub Paper Remaining Sensor Error)
		• During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC506-34	B	Vacuum Feed LCIT 2: 1st Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		• The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • Main board defective
		• Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the main board.

SC507-	B	Vacuum Feed LCIT 2: 2nd Tray Error (Lifting Timeout)

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		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Lower Limit Sensor or the sub paper remaining sensor does not become OFF 8 seconds after the lift motor started. • During tray initialization, the Lower Limit Sensor or the sub paper remaining sensor was ON and the lift motor started lifting the plate but the Upper Limit Sensor 1 or 2 does not become ON 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC507-23	B	Vacuum Feed LCIT 2: 2nd Tray Error (Lowering Timeout)
		Either of the following conditions has been detected 5 times consecutively in total. • During tray initialization, the Upper Limit Sensor 1 or 2 was ON and the Lower Limit Sensor was OFF and the lift motor started lowering the plate but the Upper Limit Sensor 1 or 2 is still ON 8 seconds after the lift motor started. • During tray initialization, the Upper Limit Sensor 1 or 2 was OFF and both Lower Limit Sensor and the sub paper remaining sensor were OFF and the lift motor started lowering the plate but both the Lower Limit Sensor and the sub paper remaining sensor are still OFF 40 seconds after the lift motor started.
		• Lift motor defective/disconnected • Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken.

		• Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC507-24	B	Vacuum Feed LCIT 2: 2nd Tray Error (Paper overload error)
		During tray initialization, the Upper Limit Sensor 1 or 2 and the Lower Limit Sensor were both ON 5 times consecutively.
		• Paper overload • Lower Limit Sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Reduce the number of sheets of paper loaded in the tray. • Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness. • Replace the main board.

SC507-25	B	Vacuum Feed LCIT 2: 2nd Tray Error (Bottom plate ascending too much)
		The tray is set and the tray upper limit sensor detected that the bottom plate ascended too much.
		• Tray upper limit sensor defective/disconnected • Upper Limit Sensor 1 defective/disconnected • Upper Limit Sensor 2 defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the tray upper limit sensor. • Replace or reconnect the Upper Limit Sensor 1. • Replace or reconnect the Upper Limit Sensor 2. • Replace the broken harness.

		• Replace the main board.

SC507-26	B	Vacuum Feed LCIT 2: 2nd Tray Error (Side Fan: Front Error)
SC507-27	B	Vacuum Feed LCIT 2: 2nd Tray Error (Side Fan: Rear Error)
SC507-28	B	Vacuum Feed LCIT 2: 2nd Tray Error (Float Fan error)
SC507-29	B	Vacuum Feed LCIT 2: 2nd Tray Error (Separation Fan error)
SC507-30	B	Vacuum Feed LCIT 2: 2nd Tray Error (Suction Fan 1 error)
SC507-31	B	Vacuum Feed LCIT 2: 2nd Tray Error (Suction Fan 2 error)
		During operation of the corresponding fan, rotation of the fan was not detected for 1 second (Fans are always monitored during operation).
		• Fan defective/disconnected • Harness to the corresponding fan is broken. • Main board defective
		• Replace or reconnect the fan. • Replace the broken harness. • Replace the main board.

SC507-32	C	Vacuum Feed LCIT 2: 2nd Tray Error (sub paper remaining sensor or Lower Limit Sensor error)
		• During bottom plate ascension, the encoder count after Lower Limit Sensor OFF exceeded 70 but the sub paper remaining sensor does not become ON. • During tray initialization, both the Lower Limit Sensor and the sub paper remaining sensor were ON for 100 msec.
		• Lower Limit Sensor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lower Limit Sensor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC507-33	C	Vacuum Feed LCIT 2: 2nd Tray Error (Sub Paper Remaining Sensor Error)
		• During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lifting the plate. • During tray initialization, the status of the sub paper remaining sensor does not change within 3 seconds after the lift motor starts lowering the plate.
		• Lift motor defective/disconnected • Sub paper remaining sensor defective/disconnected • A harness to one of the parts listed above is broken. • Main board defective
		• Replace or reconnect the Lift motor. • Replace or reconnect the sub paper remaining sensor. • Replace the broken harness. • Replace the main board.

SC507-34	B	Vacuum Feed LCIT 2: 2nd Tray Error (Belt unit set error)
		The Paper Feed Belt Unit is not set even though the tray is set.
		• The Paper Feed Belt Unit is not properly set. • Paper Feed Belt Unit connector defective or disconnected • Harness broken • Main board defective
		• Set the Paper Feed Belt Unit. • Replace or reconnect the Paper Feed Belt Unit connector. • Replace the broken harness. • Replace the main board.

SC509-01	B	Multi bypass tray upper limit detection error
		The upper limit sensor failed to go ON (3 failures) before the pick-up solenoid went ON after LCT initialization. This error is on the LCT side. When this occurs the machine will prompt the operator to reset the tray. Pulling out and pushing in the tray re-initializes tray control, but if this fails after three attempts, the machine issues a tray error alert, increments the count for the LCT, issues this SC, and disables the tray. However, other trays can still be used.
		• Pick-up solenoid harness loose, broken, defective, or solenoid defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harnesses disconnected • LCT main control board defective
		• Reset pick-up solenoid harness, or replace pick-up solenoid

		• Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace Multi Bypass control board or LCT main board

SC509-02	B	Multi bypass tray lift timeout error
		The upper limit sensor did not go ON within 10 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC509-03	B	Multi bypass tray lower timeout error
		The upper limit sensor did not go ON within 10 sec. after the LCT was initialized and the bottom plate of the tray started to rise. This error is on the LCT side. When this occurs the machine will issue at tray timeout alert, issue this SC, and then disable the tray. However, the other trays can still be used.
		• Lift motor harness loose, broken, defective, or motor defective • Upper limit sensor harness loose, broken, defective, or sensor defective • Above harneses disconnected • LCT main control board defective
		• Reset lift motor harness, or replace motor • Reset upper limit sensor harness, or replace sensor • Replace above harnesses • Replace LCT main control motor

SC510-01	D	Double-feed sensor error 1
		The machine detected an error at one or both of the double feed sensors at power on.
		• Control board (IOB, DRB, UTB, URB) defectie • Harness loose, broken, defective • PCB installed incorrectly
		• Check control board installations

		• Replace IOB • Replace DRB • Check and replace double-feed sensor harness

SC510-02	D	Double-feed sensor error 2
		Error detected in double-feed sensor output.
		• Control board (IOB, DRB, UTB, URB) defectie • Harness loose, broken, defective
		• Replace IOB • Replace DRB • Check and replace double-feed sensor harness

SC512-00	D	Rotary gate home position error
		One of the following occurred: • The gate home position sensor did notgo ON within two cycles after the gate motor started to operate. • The rotary gate HP sensor did not go ON within two cycles (877 sec.) of the rotary gate motor starting, or, the the HP sensor did not go OFF within two cycles of the rotary gate motor starting aftter the sensor went ON.
		• Rotary gate motor harness loose, broken, defective • HP sensor connector loose, broken, defective • Motor overload (blocked) • Motor driver defective • Sensor defective
		• Cycle the machine off/on • Inspect the area around the rotary gate and remove any obstacles • Reset rotary gate motor connector, or replace motor • Reset HP sensor harness, or replace sensor • Replace DRB

SC513-01	D	Leading edge shift unit HP error 1: Initialization
		At power on, the shift unit HP sensor was not detected on or off at the prescribed time. Normally, the HP sensor should to ON to initialize at power on, and when the front doors are closed.
		• Registration shift motor harness loose, broken, defective • HP sensor connector loose, broken, defective • Registration shift motor overload due to blockage • Motor driver defective

		• Sensor defective
		• Cycle the machine off/on • Inspect the area around the mechanism and remove any obstacles • Reset registration shift motor connector, or replace motor • Reset HP sensor harness, or replace sensor • Check the condition of the sensor detection plate • Replace DRB

SC513-02	D	Leading edge shift unit error 2: During operation
		During continuous operation, the shift unit HP sensor was not detected on or off at the prescribed time. Normally, the HP sensor should to ON to initialize at power on, and when the front doors are closed.
		• Registration shift motor harness loose, broken, defective • HP sensor connector loose, broken, defective • Registration shift motor overload due to blockage • Motor driver defective • Sensor detection plate warped, broken, out of position
		• Cycle the machine off/on • Inspect the area around the mechanism and remove any obstacles • Reset registration shift motor connector, or replace motor • Reset HP sensor harness, or replace sensor • Check the condition of the sensor detection plate • Replace DRB

SC513-11	B	Trailing edge shift unit HP sensor error 1: Initialization
		The shift unit HP sensor was not detected on or off at the prescribed time. Normally, the HP sensor should to ON to initialize at power on, and when the front doors are closed.
		• Trailing edge shift motor harness loose, broken, defective • HP sensor connector loose, broken, defective • Registration shift motor overload due to blockage • Motor driver defective • Sensor detection plate warped, broken, out of position
		• Cycle the machine off/on • Inspect the area around the mechanism and remove any obstacles • Reset registration shift motor harness, or replace motor • Reset HP sensor harness, or replace sensor • Check the condition of the sensor detection plate • Replace DRB

SC513-12	C	Trailing edge shift HP sensor error 2: During operation
		During continuous operation, the shift unit HP sensor was not detected on or off at the prescribed time. Normally, the HP sensor should to ON to initialize at power on, and when the front doors are closed.
		• Trailing edge shift motor harness loose, broken, defective • HP sensor connector loose, broken, defective • Trailing edge shift motor overload due to blockage • Motor driver defective • Sensor detection plate warped, broken, out of position
		• Inspect the area around the mechanism and remove any obstacles • Reset registration shift motor connector, or replace motor • Reset HP sensor harness, or replace sensor • Check the condition of the sensor detection plate • Replace DRB

SC514-00	C	Exit junction gate HP sensor error
		• The HP junction gate HP sensor did not detect at the prescribed time. • The HP sensor did not go from ON to OFF at the prescribed time after the junction gate was supposed to change position.
		• Exit junction gate motor harness loose, broken, defective, or motor defective • HP sensor harness loose, broken, defective, or sensor defective
		• Check the area around the junction gate and remove paper scraps, etc. • Check motor harness, or replace motor • Check sensor harness, or replace sensor

SC515-01	B	Separation motor home position error 1: Main machine
		The motor that separates the relay rollers in the main machine to free the paper for image shift adjustment is defective, or its HP sensor, is not operating correctly
		• Separation motor harness loose, broken, defective, or motor defective • HP sensor harness loose, broken, defective, or harness defective
		• Cycle the machine off/on • Check the area around the junction gate and remove paper scraps, etc. • Check motor harness, or replace motor • Check sensor harness, or replace sensor

SC515-02	B	Separation motor home position error 2: LCT
		The motor that separates the relay rollers in the LCT path to free the paper for image shift adjustment, or its HP sensor, is not operating correctly.

		• Separation motor harness loose, broken, defective, or motor defective • LCT relay separation HP sensor harness loose, broken, defective, or harness defective
		• Cycle the machine off/on • Check the area around the junction gate and remove paper scraps, etc. • Check motor harness, or replace motor • Check sensor harness, or replace sensor

SC515-03	B	Separation motor home position error 3: Invert/exit
		The separation motor or its HP sensor is not operating correctly.
		• Separation motor harness loose, broken, defective, or motor defective • Invert/exit separation HP sensor harness loose, broken, defective, or harness defective
		• Cycle the machine off/on • Check the area around the junction gate and remove paper scraps, etc. • Check motor harness, or replace motor • Check sensor harness, or replace sensor

SC515-04	B	Separation motor home position error 4: LCT exit
		The motor that separates the relay rollers in the LCT path to free the paper for image shift adjustment at the LCT exit is defective, or its HP sensor, is not operating correctly.
		• LCT exit separation motor harness loose, broken, or motor defective • Pressure release HP sensor harness loose, broken, defective, sensor defective • Above harnesses defective • LCT main control board defective
		• Cycle the machine off/on • Reset LCT exit separation motor harness, or replace motor • Reset pressure release HP sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC515-05	B	LCT 2 Separation Motor Error
		The motor that separates the relay rollers in the LCT path to free the paper for image shift adjustment at the LCT exit is defective, or its HP sensor, is not operating correctly.
		• LCT exit separation motor harness loose, broken, or motor defective • Pressure release HP sensor harness loose, broken, defective, sensor defective • Above harnesses defective • LCT main control board defective
		• Cycle the machine off/on • Reset LCT exit separation motor harness, or replace motor

		• Reset pressure release HP sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC515-06	B	LCT 2 Separation Motor Error
		The motor that separates the relay rollers in the LCT path to free the paper for image shift adjustment at the LCT exit is defective, or its HP sensor, is not operating correctly.
		• LCT exit separation motor harness loose, broken, or motor defective • Pressure release HP sensor harness loose, broken, defective, sensor defective • Above harnesses defective • LCT main control board defective
		• Cycle the machine off/on • Reset LCT exit separation motor harness, or replace motor • Reset pressure release HP sensor harness, or replace sensor • Replace above harnesses • Replace LCT main board

SC520-00	D	Fusing motor error
		The drive board of the fusing motor issued an error signal (the board and motor are attached).
		• Motor connector loose, broken • Excessive torque on fusing roller due to jam, blockage • Fusing motor drive board defective • Fusing motor defective • Fusing motor harness loose, broken, defective
		• Reset fusing motor harness • Check fusing unit and remove any paper scraps that could interfere with normal operation of the unit • Replace motor drive board • Replace motor

SC521-00	D	Exit motor error
		The drive board of the motor issued an error signal (PCB and motor comprise a single unit).
		• Motor connector or harness loose, broken, defective • Excessive torque on the exit drive mechanism • Motor drive board defective • Motor defective • IOB defective
		• Check the area around the exit motor and remove any paper scraps, etc. that could

		interfere with operation of the motor • Check motor harness for breaks, defects • Replace motor • Replace IOB

SC522-00	D	Heat Pipe Motor Error
		The drive board of the motor issued an error signal (PCB and motor comprise a single unit).
		• An obstacle is interfering with the operation of the cooling fan unit • Motor connector or harness loose, broken, defective • Motor or harness defective • IOB defective
		• Inspect the are around the heat pipe and belt for jammed paper or any foreign object that could interfere with operation • Inspect motor harness, connector • Replace motor • Replace IOB

SC530-	**	1. D	Main machine fan errors
	01	D	Laser unit cooling fan
	02	D	Belt cleaning unit fan
	08	D	Fusing transport exit fan
	09	D	Fusing unit exit fan – Upper
	10	D	Fusing unit exit fan – Lower
	13	D	Heat pipe fan – Rear, right
	14	D	Heat pip fan – Rear, left
	15	D	Exit fan – Rear, right
	16	D	Paper exit fan – Rear, left
	17	D	Heat pipe cooling fan
	18	D	Heat pipe cooling fan
	19	D	PSU cooling fan - Right
	20	D	PSU cooling fan - Left
	21	D	PTR cooling fan - Front
	22	D	PTR cooling fan – Rear
	23	D	Decurler Fan
	24	D	PSU-C Fan
			A signal indicated that a fan stopped operating for over 5 sec.
			• Fan overload, stopped due to physical obstruction blocking its rotation • Fan motor harness disconnected or broken

			• Fan defective
			• Check fan • Check fan connector • Replace fan

SC531-	**	D	Main machine PWM fan errors
	-01	D	Development cooling fan - Front
	-02	D	Development cooling fan - Rear
	-03	D	Ozone suction fan
	-04	D	Ozone exhaust fan
	-05	D	Right suction fan - Front
	-06	D	Right suction fan - Rear
	-07	D	Right suction fan - Center
			A signal indicated that a fan stopped operating for over 10 sec.
			• Fan overload, stopped due to physical obstruction blocking its rotation • Fan motor harness disconnected or broken • Fan defective
			• Check fan • Check fan connector • Replace fan

SC532-	**	C	Main machine fans: Logged errors
	-01	C	Duplex fan – Lower, front
	-02	C	Duplex fan – Lower rear
	-03	C	PSU intake fan M1 right
	-04	C	PSU exhaust fan M1 left
	-05	C	PSU intake fan M2 right
	-06	C	PSU exhaust fan M2 left
	-08	C	ID sensor cooling fan
	-09	C	Paper intake fan – Front
	-10	C	Paper intake fan – Rear
	-11	C	CIS cleaning fan
			• A signal indicated that a fan stopped operating for over 5 sec. • This SC error is logged and the machine continues to operate
			• Fan overload, stopped due to physical obstruction blocking its rotation • Fan motor harness disconnected or broken • Fan defective
			• Check fan

			• Check fan connector • Replace fan

SC541-00	A	Fusing thermopile (center) error
		Temperature detected below -40°C for 3 sec. (temperature sampled every 100 ms).
		• Thermopile connection loose • Thermopile connected incorrectly
		• Check thermopile connector • Replace thermopile

SC542-01	A	Reload temperature error 1: Center thermopile time-out
		Fusing temperature failed to reach 80°C within 75 sec. after the start of fusing temperature control at start up, after a front door is opened and closed, or after fusing temperature control
		• Thermoplie dirty, damaged, out of position • Incorrect input voltage
		• Check harness, connector • Replace thermopile

SC542-02	A	Reload temperature error 2: Fusing thermopile: center
		Fusing temperature failed to reach reload temperature within 270 sec. after the start of fusing temperature control.
		• Fusing lamp disconnected • Overheating disconnect by thermistor
		• Replace thermopile • Replace heating lamp • Check, replace thermistors

SC543-00	A	Software high temperature error: Center thermopile
		Temperature over 250°C detected 10 times (temperature is sampled every 100 ms).
		• Heating lamp control error (TRIAC short) • IOB defective
		• Replace IOB • Replace AC drive board

SC544-01	A	Heating roller NC sensor: center error
		High temperature detected above 290°C.
		• Heating lamp control error (TRIAC short) • IOB defective

		• Replace IOB • Replace center NC sensor • Replace AC drive board

SC544-02	A	Hardware fusing temperature sensor: center error
		High temperature above 270°C detected.
		• Heating lamp control error (TRIAC short) • IOB defective
		• Replace IOB • Replace thermopile • Replace AC drive board

SC545-01	A	Fusing lamp on error: Fusing lamp 1, 2, 3
		A fusing lamp remained at full power for more than 50 sec.
		• Thermistor out of position, installed incorrectly • Fusing lamp disconnected • Overheat prevention disconnect by thermistor
		• Check thermistor • Replace thermistor • Replace fusing lamp 1, 2, 3 • Replace IOB • Replace AC drive board

SC547-01	D	Fusing relay error 1
		Zero cross signal was detected even though the fusing relay was OFF
		• Fusing relay damaged • Door switch defective
		• Cycle the machine off/on • If fusing relay defective, replace AC drive board • Replace door switch

SC547-02	D	Fusing relay error 2
		Zero cross signal was not detected even though the fusing relay was ON
		• Fusing relay damaged • Fusing relay circuit damaged • Door switch defective
		• Cycle the machine off/on • If fusing relay defective, replace AC drive board

		• Replace door switch

SC547-03	D	Zero cross over error
		At power-on the machine detected that the main power supply was unstable (zero cross less than 50 Hz), probably due to electrical noise on the line.
		• The voltage on the power supply line is unstable
		• Cycle the machine off/on • Check the stability of the power supply line

SC549-01	D	Temperature low error 1: Center thermopile
		Fusing temperature dropped during operation.
		• Fusing lamp disconnect
		• Check fusing lamp • Replace lamp

SC550-00	A	Thermistor disconnect error 1: Heating roller NC sensor:Center
		Temperature detected below 0°C for 30 sec
		• Thermistor disconnected • Thermistor connector damaged
		• Check thermistor connector • Replace thermistor harness • Replace thermistor • Replace fusing lamp

SC551-00	A	Thermistor disconnect error 2: End thermopile
		Temperature detected below -40°C for 3 sec (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Check connector • Replace connector harness • Replace thermopile • Replace fusing lamp

SC553-00	A	Software high temperature error: End thermopile
		Temperature detected above 250°C for 10 sec. (temperature sampled every 100 ms).
		• Fusing lamp control short (TRIAC short) • IOB defective
		• Replace IOB

		• Replace AC drive board

SC554-01	A	Hardware high temperature error: End fusing temperature sensor
		High temperature detected above 290°C.
		• Fusing lamp control short (TRIAC short) • IOB defective
		• Replace IOB • Replace temperature sensor • Replace AC drive board

SC554-02	A	Hardware temperature error: End thermopile
		High temperature detected above 270°C.
		• Fusing lamp control short (TRIAC short) • IOB defective
		• Replace IOB • Replace thermopile • Replace AC drive board

SC557-03	C	Zero cross cycle over
		If this error occurs, it is only logged (set for 60 Hz and operating normally)
		• Zero cross signal frequency slightly unstable, due to noise on the power supply line
		• Install a noise suppressor

SC558-00	A	Thermistor disconnect error: Pressure roller thermistor
		Temperature detected below 0°C for 155 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged, defective
		• Replace thermistor • Check connector • Replace harness, connector • Replace fusing lamp

SC559-00	A	Three consecutive fusing jams
		This SC only occurs if SP1142 is ON (Default: OFF), and paper jams occurred in the fusing unit for three consecutive feeds. With SP1142 set to "1" (ON) the machine operation can be restored only by the service technician after three consecutive jams occur.
		• Fusing unit defecive • Paper wrapped around a fusing roller

		• Defective fusing entrance sensors
		• Open fusing unit, check paper path, remove paper scraps • Check the paper settings • Replace the fusing entrance sensors

SC560-00	A	Thermistor disconnect error: Heating roller NC sensor: end
		Temperature detected below 0°C for 35 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Replace fusing entrance sensors • Check connectors • Replace harnesses, connectors • Replace fusing lamp

SC561-00	A	Thermistor disconnect error: Pressure roller NC sensor
		Temperature detected below 0°C for 80 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Replace thermistor • Check harness, connectors • Replace harness, connectors • Replace fusing lamp

SC562-01	A	Fusing reload temperature error: Pressure roller NC sensor
		Fusing temperature failed to reach 45°C with 80 sec.
		• Fusing lamp disconnected • Overheat prevention disconnect by thermistor
		• Replace thermistor • Replace fusing lamp • Use within recommended temperature range

SC562-02	A	Fusing reload temperature error: Pressure roller NC sensor
		Temperature failed to reach reload temperature within 350 sec. after start of fusing temperature control.
		• Fusing lamp disconnected • Overheat prevention disconnect by thermistor
		• Replace NC sensor • Replace fusing lamp

		• Use within recommended temperature range

SC563-00	A	Software high temperature error: Pressure roller NC sensor
		Temperature detected above 220°C for 10 sec. (temperature sampled every 100 ms).
		• Fusing lamp temperature control short (TRIAC short) • IOB defective
		• Replace IOB • Replace AC drive board

SC564-00	A	Hardware high temperature error: Pressure roller thermistor
		Temperature detected higher than 270°C.
		• Fusing lamp temperature control short • IOB defective
		• Replace IOB • Replace thermistor • Replace AC drive board

SC565-00	A	Fusing lamp on error: Fusing lamp 5
		Fusing lamps remained at full power for more than 100 sec. but fusing rollers failed to reach reload temperature.
		• Thermistor floating, installed incorrectly • Fusing lamp disconnected • Overheat prevention disconnect by thermistor
		• Check thermistors • Replace thermistor • Replace fusing lamp 5 • Replace IOB

SC566-00	A	Thermistor disconnect error: Rear fusing heat thermistor
		Temperature detected below 0°C for 60 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Replace thermistor • Check connector, harness • Replace harness connector • Replace fusing lamp

SC567-00	A	Software high temperature error: Fusing heat thermistor

		Temperature detected above 250°C for 10 sec. (temperature sampled every 100 ms).
		• TRIAC short • IOB defect
		• Replace IOB • Replace AC drive board

SC568-00	A	Hardware temperature error: Rear fusing heat thermistor
		Temperature detected higher than 270°C.
		• TRIAC short • IOB defective
		• Replace IOB • Replace thermistor • Replace AC drive board

SC569-01	D	Pressure roller lift error 1: Three HP detect failures
		Attempts to detect pressure roller at home position failed 3 times.
		• Pressure roller lift motor defective • Pressure roller lift HP sensor defective • Lift mechanism blocked, defective
		• Check around the lift mechanism, remove paper scraps, etc. that could interfere with its operation • Check motor harness • Replace motor harness • Check HP sensor connector • Replace HP sensor connector

SC569-02	D	Pressure roller lift error 2: Control failure
		This SC ode is issued immediately if the pressure roller lift HP sensor fails to go OFF within 4000 ms.
		• Pressure roller lift motor failure • Pressure roller lift HP sensor failure • Pressure roller mechanism blocked
		• Check around the lift mechanism, remove paper scraps, etc. that could interfere with its operation • Check motor harness • Replace motor harness • Check HP sensor connector • Replace HP sensor connector

SC569-03	D	Pressure roller lift error 3: B High
		Pressure roller sensor B (rear) is HIGH.
		• Pressure roller lift motor failure • Pressure roller lift sensor failure • Pressure roller mechanism blocked
		• Check around the lift mechanism, remove paper scraps, etc. that could interfere with its operation • Check motor harness • Replace motor harness • Check HP sensor connector • Replace HP sensor connector • Replace fusing unit

SC569-04	D	Pressure roller lift error 4: Pressure variable control fail
		Pressure roller lift mechanism error due to inability to vary pressure.
		• Pressure roller lift motor failure • Pressure roller lift sensor failure • Pressure roller mechanism failure, blockage
		• Check around the lift mechanism, remove paper scraps, etc. that could interfere with its operation • Check motor harness • Replace motor harness • Check harnesses of pressure roller lift sensors A, B • Replace sensor harness connectors

SC571-00	A	Thermistor disconnect error: Fusing temperature sensor: far end
		Temperature detected below -40°C for 3 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Replace thermistor • Check connector • Replace connector • Replace fusing lamp

SC573-00	A	Software high temperature error: Fusing temperature sensor: far end
		Temperature detected above 250°C for 10 sec. (temperature sampled every 10 ms).
		• Fusing lamp control short (TRIAC short) • IOB defect

		• Replace IOB • Replace AC drive board

SC574-00	A	Hardware temperature error: Thermopile far end
		Temperature detected higher than 270°C.
		• Fusing lamp control short (TRIAC short) • IOB defect
		• Replace IOB • Replace thermopile • Replace AC drive board

SC576-00	A	Thermistor disconnect error: Hot roller NC sensor
		Temperature detected below 0°C for 25 sec. (temperature sampled every 100 ms).
		• Thermistor disconnected • Thermistor connector damaged
		• Replace thermistor • Check connector, harness • Replace connector, harness • Replace fusing lamp

SC581-00	D	Decurl Unit: Decurl HP sensor error
		• Home position not detected within 6 sec. • HP sensor not detected OFF.
		• Lift motor connector loose, broken, defective, or motor defective • HP sensor connector loose, broken, defective, or sensor defective
		• Cycle the machine off/on • Replace motor • Replace sensor

SC582-00	D	Decurl Unit: Decurl limit error
		Tray upper limit sensor ON detected.
		• Lift motor defective • HP sensor connector loose, broken, defective, or sensor defective • Limit sensor connector loose, broken, defective, or sensor defective • HP sensor incorrect
		• Cycle machine off/on • Replace lift motor • Replace sensor

SC587-01	C	Main machine thermistor error
		• Calculated temperature for thermistor lower than -10C, indicating thermistor disconnection • Calculated temperature less than 80°C, indicating thermistor disconnection.
		• Connectors loose, broken, defective • Thermistors defective
		• Check harness connectors • Replace harness • Replace thermistor

SC590-1	D	RYB stepper motor error
		A stepper motor controlled by the Relay Board (RYB) has failed. A problem has occurred with one of the following motors. (Which motor is causing the problem is not specified.) • Tray 1(F1) Feed Motor • Tray 1 (F1) transport Motor • Tray 2 (F2) Feed Motor • Tray 2 (F2) transport Motor • Tray 3(F3) Feed Motor • Tray 3 (F3) transport Motor • Vertical Transport Motor • Bank Exit Motor
		• Motor drive signal disconnect • Motor drive signal short • Motor harness disconnected • Motor defective • RYB defective
		• Use an output check to determine which motor has failed • Check motor harness • Replace motor harness • Replace motor • Replay RYB

SC590-2	D	DRB stepper motor error
		A stepper motor controlled by the DRB in the right drawer has failed. A problem has occurred with one of the following motors: (Which motor is causing the problem is not specified.) • Registration Entrance Motor • Trailing Edge Shift Motor • Registration Timing Motor

		• Registration Shift Motor • Transfer Timing Motor • Duplex Transport Motor 2 • Rotary Gate Motor • Main Relay Separation Motor • LCT Relay Separation Motor • PTB Motor
		• Motor drive harness disconnected • Motor drive signal short • Motor harness disconnected • Motor defective • DRB defective
		• Use an output check to determine which motor has failed • Check motor harness • Replace motor harness • Replace motor • Replace DRB

SC590-3	D	TDRB stepper motor error
		A stepper motor controlled by the TDRB on the back of the machine has failed. A problem has occurred with one of these motors (Which motor is causing the problem is not specified.): • PTR Lift Motor • Belt Centering Motor
		• Motor drive harness disconnected • Motor drive signal short • Motor harness disconnected • Motor defective • TDRB defective
		• Use an output check to determine which motor has failed • Check motor harness • Replace motor harness • Replace motor • Replace TDRB

SC590-4	D	EDRB stepper motor error
		A stepper motor controlled by the EDRB has failed. A problem has occurred with one of these motors (Which motor is causing the problem is not specified.): • Exit Junction Gate Motor • Exit Invert Motor

		• Invert Exit Motor • Inverter Entrance Motor • Duplex Transport Motor • Invert Duplex Motor • Pressure Roller Lift Motor
		• Motor drive harness disconnected • Motor drive signal short • Motor harness disconnected • Motor defective • EDRB defective
		• Use an output check to determine which motor has failed • Check motor harness • Replace motor harness • Replace motor • Replace EDRB

SC590-5	D	DDRB stepper motor error
		A stepper motor controlled by the DDRB has failed two detections. A problem has occurred with one of these motors: • Decurl Unit Motor • Decurl Feed Motor
		• Motor connector loose, broken, defective • Motor drive signal short • Motor harness disconnected • Motor defective • DDRB defective
		• Look at the Point-to-Point diagram to determine which motors the referenced board controls. • Go into the SP mode and use SP5804 to test the operation of the motors to determine which motor is not operating. • Check the motor harness • Replace motor harness • Replace motor • Replace DDRB

SC590-06	D	Decurl unit motor error
		An error was detected twice with the stepper motor in the decurl unit.
		• Motor drive signal disconnect • Motor drive signal short

		• Motor harness loose, broken, defective • Motor defective • DDRB defective
		• Check the motor harness • Replace motor harness • Replace motor • Replace DDRB

SC590-07	D	Charge unit motor error
		An error was detected twice with the charge unit cleaning motor in the CGB unit.
		• Motor drive signal disconnect • Motor drive signal short • Motor harness loose, broken, defective • Motor defective • IOB defective
		• Check the motor harness • Replace motor harness • Replace motor • Replace IOB

SC590-08	D	Toner agitator motor error
		An error was detected twice with the toner agitator motor on the end of the toner supply unit.
		• Motor drive signal disconnect • Motor drive signal short • Motor harness loose, broken, defective • Motor defective • IOB defective
		• Check the motor harness • Replace motor harness • Replace motor • Replace IOB

SC590-09	D	Toner supply motor error
		An error was detected twice with the toner feed motor on the end of the toner supply unit.
		• Motor drive signal disconnect • Motor drive signal short • Motor harness loose, broken, defective • Motor defective

		• IOB defective
		• Check the motor harness • Replace motor harness • Replace motor • Replace IOB

SC600

SC620-01	D	ADF communication error
		No response from the ADF after connection to the main machine or an error occurred after connection.
		• ADF I/F cable disconnected or loose • Electrical noise on the line • ADF defective • Incompatible ADF connected • IPU board defective
		• Check ADF cable • Replace ADF cable • Replace IPU

SC620-01	D	ADF communication error
		No response from the ADF after connection to the main machine or an error occurred after connection.
		• ADF I/F cable disconnected or loose • Electrical noise on the line • ADF defective • Incompatible ADF connected • IPU board defective
		• Check ADF cable • Replace ADF cable • Replace IPU

SC621-00	D	Peripheral Communication Error
		The UART generated an error when the finisher was connected.
		• Peripheral I/F cable disconnected or broken • Peripheral main board disconnected or defective • BCU defective • IOB defective
		• Cycle the machine off/on • Check the I/F connection of the finisher • Replace BCU • Replace IOB • Replace main board of finisher

SC622-01	D	LCT connected to machine error 1

		(1) Connection circuit error (2) UART received an error signal
		• LCT not connected correctly to main machine • LCT main board defective • BCU, IOB defective
		• Cycle the machine off/on • Check LCT harness connections • Replace BCU • Replace LCT

SC622-02	D	LCT connected to machine error 2
		(3) Connection circuit error (4) UART received an error signal
		• LCT not connected correctly to main machine • LCT main board defective • BCU, IOB defective
		• Cycle the machine off/on • Check LCT harness connections • Replace BCU • Replace LCT

SC632-00	B	MF accounting device error 1	GW
		The controller sends data to the accounting device, but the device does not respond. This occurs three times.	
		• Loose connection between the controller and the counting device	
		• Cycle the machine off/on • Check the connection of the serial line	

SC633-00	B	MF accounting device error 2	GW
		After communication is established, the controller receives the brake signal from the accounting device.	
		• Loose connection between the controller and the accounting device	
		• Cycle the machine off/on • Check the connection of the serial line	

SC634-00	B	MF accounting device error 3	GW
		The accounting device sends the controller the report that indicates a backup RAM error has occurred.	

		• Defective controller of the MF accounting device • Battery error
		• Replace main board of counting device • Replace backup battery

SC635-00	B	MF accounting device error 4	GW
		The accounting device sends the controller the report that indicates the battery voltage error has occurred.	
		• Defective controller of the MF accounting device • Battery error	
		• Replace main board of counting device • Replace backup battery	

SC636-01	D	IC card authentication error	GW
		External authentication module error	
		This SC is generated if the external authentication is enabled and following condition occurs: • No external authentication module • SD card error or external authentication module broken • No DESS module	
		• Insert the correct SD card • Install DESS module • Do the follow Super Service SP codes and then cycle the machine off/on: SP5401-160 set to "0" SP5401-161 set to "0" SP5876-001. If this does not execute replace NVRAM	

SC636-02	D	IC card version error	GW
		The version of the external authentication module is not correct.	
		• Incorrect module version	
		• Install the correct external authentication module	

SC636-11	D	OSM User Code File Error	GW
		The correct "usercode" file could not be found in the root folder of the SD card because the file is not present, or the existing file is corrupted or the wrong type file.	
		• Make sure the eccm.mod file is in the root folder of the SD card. • Check the eccm.mod file is in the root folder of the SD card.	
		• In IDissuer.exe (the OSM setting tool), create a "usercode" file for the customer. • Make sure that the "eccm.mod" IC card module is in the root folder.	

SC637-01	D	Tracking Information Notice Error	GW
		Tracking Application Error	
		When the tracking information is lost, this SC is issued.	
		• The machine failed to give notice the tracking information to the tracking SDK application. • Tracking information is lost, and the machine cannot count correctly.	
		• Cycle the machine off/on	

SC637-02	D	Tracking Information Notice Error	GW
		When the tracking information is lost, this SC is issued.	
		• The machine failed to give notice the tracking information to the management server. • Tracking information is lost, and the machine cannot count correctly.	
		• Cycle the machine off/on	

SC641	C	Communication error between BCU and controller board
		After three re-tries there was no response from the controller board to the frame send from the BCU
		• Controller board software error • Connection harness between BCU and controller board loose, broken, defective. • Engine board software error
		• Check the harnesses between the BCU and controller board. • Cycle the machine off/on.

SC650-004	B	Incorrect modem setting	GW
		Dial up fails due to the incorrect modem setting.	
		• Incorrect SP settings • Disconnected telephone line • Disconnected modem board • LAN board disconnected	
		• Check if the setting of SP5-816-160 is correct. • If it is correct, then there is a software bug.	

SC650-005	B	Communication line error	GW
		The supplied voltage is not sufficient due to a defective communication line or defective connection.	
		• Incorrect SP settings • Disconnected telephone line	

		• Disconnected modem board • LAN board disconnected
		• The line is not supported and nothing can be done.

SC650-013	B	Modem board error 1	GW
		The modem board does not work properly even though the setting of the modem board is installed with a dial up connection.	
		• Incorrect SP settings • Disconnected telephone line • Disconnected modem board • LAN board disconnected	
		• If a modem board is not installed, install it. • Check again if the modem driver configurations (SP5-816-160, SP5-816-165 to 171, SP5-816-165 to 171) are correct. • If the problem is not solved, replace the modem.	

SC650-014	B	Modem board error 2	GW
		The modem board is installed even though the RCG-N is installed.	
		• Incorrect SP settings • Disconnected telephone line • Disconnected modem board • LAN board disconnected	
		• If a modem board is attached, remove it. • Check if wired/wireless LAN works.	

SC651-01	C	Incorrect dial up connection	GW
		-001: Program parameter error	
		-002: Program execution error	
		An unexpected error occurs when the modem (Embedded RCG-M) tries to call the center with a dial up connection.	
		• Caused by a software bug	
		• If this occurs during RC Gate installation: • Check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again. • If this occurs after RC Gate installation: • Clear the RC Gate install status, check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again.	

SC652-00	D	ID2 mismatching	GW
		ID2 for @Remote certification is mismatching between the controller board and NVRAM.	
		• Used controller board installed • Used NVRAM installed	
		• If this occurs during RC Gate installation, Check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again. • If this occurs after RC Gate installation, Clear the RC Gate install status, check the validity of the certificate and the NVRAM, check the machine serial number, write the common certificate, and then begin installation again.	

SC653-00	D	@Remote Service ID2 Mismatch Error 2	GW
		One of the following problems exist with the ID2 stored in NVRAM: • ID2 has less than 17 digits • A non-printable character exists in ID2 • ID2 is all spaces • ID2 is NULL	
		• Clear the RC Gate install status, write the common certificate, and then begin installation again.	

SC665-01	D	IPU-to-BCU harness error
		There is a poor connection between the IPU and BCU due to a loose, broken or defective harness.
		• FFC between BCU and IPU disconnected • FFC between BCU and IPU loose, broken, defective • BCU defective • IPU defective
		• Check, replace FFC between BCU-IPU • Replace BCU • Replace IPU

SC665-02	D	BCU-to-CNB harness error
		There is a poor connection between the IPU and CNB due to a loose, broken or defective harness.
		• Harness between BCU and CNB disconnected • Harness between BCU and CNB loose, broken, defective • BCU defective • CNB defective

		• Check, reset, replace FFC harness between BCU-CNB • Replace BCU • Replace CNB

SC665-03	D	IOB-to-CNB harness error
		There is a poor connection between the IOB and CNB due to a loose, broken or defective harness.
		• Harness between IOB and CNB disconnected • FCC between IOB and CNB loose, broken, defective • BCU defective • IOB defective • CNB defective
		• Check, reset FFC between IOB-CNB • Replace FFC between IOB-CNB • Replace BCU • Replace IOB • Replace CNB

SC665-04	D	IOB fail to to start
		IOB failed to start due to a critical error.
		• BCU-to-CNB harnesses loose, broken, defective • IOB-to-CNB harnesses loose, broken, defective • No output from PSU B • IOB defective • RYB defective • CNB defective • BCU defective
		• Check, replace harness between IOB-CNB • Check, replace harness between BCU-IOB • Replace IOB • Replace CNB • Replace BCU • Replace PSU-B

SC669	-**	BCU EEPROM communication error
	-01	EEPROM OPEN ID error
	-02	EEPROM OPEN channel error
	-03	EEPROM OPEN device error

	-04	EEPROM OPEN communication interrupt error
	-05	EEPROM OPEN timeout error
	-06	EEPROM OPEN operation interrupt error
	-07	EEPROM OPEN buffer full
	-08	EEPROM OPEN no error code
	-09	EEPROM CLOSE ID error
	-10	EEPROM CLOSE no error code
	-11	EEPROM DATA WRITE ID error
	-12	EEPROM DATA WRITE channel error
	-13	EEPROM DATA WRITE device error
	-14	EEPROM DATA WRITE communication cancel error
	-15	EEPROM DATA WRITE communication timeout error
	-16	EEPROM DATA WRITE operation interrupt error
	-17	EEPROM DATA WRITE buffer full
	-18	EEPROM DATA WRITE no error code
	-19	EEPROM DATA READ ID error
	-20	EEPROM DATA READ channel error
	-21	EEPROM DATA READ device error
	-22	EEPROM DATA READ communication cancel error
	-23	EEPROM DATA READ timeout error
	-24	EEPROM DATA READ operation interrupt error
	-25	EEPROM DATA READ buffer full
	-26	EEPROM DATA READ no error code
	-27	EEPROM DEVICE DETECT ID error
	-28	EEPROM DEVICE DETECT channel error
	-29	EEPROM DEVICE DETECT device error
	-30	EEPROM DEVICE DETECT communication cancel error
	-31	EEPROM DEVICE DETECT communication timeout error
	-32	EEPROM DEVICE DETECT operation interrupt error
	-33	EEPROM DEVICE DETECT buffer full
	-34	EEPROM DEVICE DETECTt no error code
		Three tries were attempted but three EEPROM communication errors were returned.
		• Electronic noise • EEPROM incorrectly installed, defective • BCU defective
		• Cycle the machine off/on • Check EEPROM connection • Replace EEPROM

		• Replace BCU

SC670-00	D	Engine start failure	GW
		Case 1 • No /ENGRDY signal asserted at power on, or when machine left low power mode. • No response from EC from engine within the specified time at power on. • No response from PC from engine within the specified time at power on. • No response from SC from engine within the specified time at power on (MFP module only). • Write to Rapi driver failed (no destination found at PCI). **Case 2** • Unexpected error occurred after /ENGRDY signal asserted.	
		• Case 1: Engine board did not boot. • Case2: Engine board unexpectedly reset	
		Check the connection between the engine board and the controller board. • If it is always reproduced, replace the engine board. If the problem persists, consider replacing the controller board or other boards between them. • If reproducibility is low, multiple causes are to be considered, such as software, engine board, controller board, and PSU.	

SC672-10	D	Controller error	GW
		Communication problem between controller and operation panel occurred at power on.	
		• After the machine is powered on, the communication between the controller and the operation panel is not established, or communication with controller is interrupted after a normal startup. • After startup reset of the operation panel, the attention code or the attention acknowledge code is not sent from the controller within 30 seconds. • After the controller issues a command to check the communication line with the controller at 30-second intervals, the controller fails to respond twice.	
		• Controller stalled • Controller board installed incorrectly • Controller board defective • Operation panel connector loose or defective • Controller delay	
		• Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the control panel harness.	

SC672-11	D	Controller error	GW
		Communication problem between controller and operation panel occurred, or a data error occurred, at power on.	
		• After the machine is powered on, the communication between the controller and the operation panel is not established, or communication with controller is interrupted after a normal startup. • After startup reset of the operation panel, the attention code or the attention acknowledge code is not sent from the controller within 30 seconds. • After the controller issues a command to check the communication line with the controller at 30-second intervals, the controller fails to respond twice.	
		• Controller stalled • Controller board installed incorrectly • Controller board defective • Operation panel connector loose or defective • Controller delay	
		• Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the control panel harness.	

SC672-12	D	Controller error	GW
		Communication with the controller board suddenly ceased after normal start up.	
		• After the machine is powered on, the communication between the controller and the operation panel is not established, or communication with controller is interrupted after a normal startup. • After startup reset of the operation panel, the attention code or the attention acknowledge code is not sent from the controller within 30 seconds. • After the controller issues a command to check the communication line with the controller at 30-second intervals, the controller fails to respond twice.	
		• Controller stalled • Controller board installed incorrectly • Controller board defective • Operation panel connector loose or defective • Controller delay	
		• Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the control panel harness.	

SC672-13	D	Controller error	GW
		A problem shut down the controller.	
		• After the machine is powered on, the communication between the controller and the operation panel is not established, or communication with controller is interrupted after a normal startup. • After startup reset of the operation panel, the attention code or the attention acknowledge code is not sent from the controller within 30 seconds. • After the controller issues a command to check the communication line with the controller at 30-second intervals, the controller fails to respond twice.	
		• Controller stalled • Controller board installed incorrectly • Controller board defective • Operation panel connector loose or defective • Controller delay	
		• Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the control panel harness.	

SC672-99	D	Controller error	GW
		Operation panel OCS (firmware) error	
		• After the machine is powered on, the communication between the controller and the operation panel is not established, or communication with controller is interrupted after a normal startup. • After startup reset of the operation panel, the attention code or the attention acknowledge code is not sent from the controller within 30 seconds. • After the controller issues a command to check the communication line with the controller at 30-second intervals, the controller fails to respond twice.	
		• Controller stalled • Controller board installed incorrectly • Controller board defective • Operation panel connector loose or defective • Controller delay	
		• Turn the main power off/on. • Check the connection of the controller board. • Replace the controller board. • Check the control panel harness.	

SC682
RTB 27

SC687-00	D	Image transfer command error

		The controller did not issue a PER command to the BCU.
		• Cycle the machine off/on • Check, replace harness between controller board and BCU • Replace controller board

SC700

ADF

SC700-01	D	ADF: bottom plate motor error
		The bottom plate HP sensor could not be detect the plate leaving the home position after the bottom plate motor turned on and started to raise the plate, or it did not detect the plate after the motor lowered it.
		• Bottom plate HP sensor harness loose, broken, defective • Bottom plate motor harness loose, broken, defective • Sensor defective • Motor defective • ADF main board defective

SC700-02	D	ADF: original pickup operation error
		Even though the pickup motor is rotating clock-wise, the pickup roller home position sensor cannot detect the position of the pickup roller.
		• Pickup roller HP sensor harness loose, disconnected, defective • Pickup roller HP sensor defective • Pickup motor harness loose, disconnected, defective • Pickup motor defective • ADF control board defective

SC700-04	D	ADF: feed motor error
		An error was detected during motor operation.
		• Make sure bracket installed correctly, not bent • Motor harness loose, broken, defective • Motor defective

SC700-05	D	ADF: Pull-out roller motor error
		An error was detected during motor operation.
		• Make sure bracket installed correctly, not bent • Motor harness loose, broken, defective • Motor defective

SC700-06	D	ADF: transport motor error
		An error was detected during motor operation.
		• Make sure bracket installed correctly, not bent • Motor harness loose, broken, defective

		• Motor defective

SC700-07	D	ADF: scan motor error
		An error was detected during motor operation.
		• Make sure bracket installed correctly, not bent • Motor harness loose, broken, defective • Motor defective

SC700-09	D	ADF: exit motor error
		An error was detected during motor operation.
		• Make sure bracket installed correctly, not bent • Motor harness loose, broken, defective • Motor defective

SC701-02	D	ADF: pick-up roller motor drive board error
		This SC code may be appear with an original jam alert. There was a problem with the board that controls the pick-up roller motor.
		• Motor harness loose, broken, defective • ADF control board harness loose, broken, defective • Motor defective • ADF control board defective

SC702-04	D	ADF: interlock switch error 1
		There is a problem (short, etc.) with either the cover interlock switch or lift interlock switch (24V).
		• Switch defective

SC702-05	B	ADF: interlock switch error 2
		There is a problem (short, etc.) with either the cover interlock switch or lift interlock switch (24V).
		• Switch defective

SC703-01	B	ADF: double-feed detection error
		An error signal was detected for the double-feed detection function.
		• Double-feed sensor board harness loose, broken, defective • Double-feed sensor(s) harness loose, broken, defective • Double-feed sensor board defective • Double-feed sensor defective

SC720-01	D	Finisher: Communication error with downstream peripheral
		• Three attempts to communicate with the downstream unit failed because there was no response to the recognition command sent to the unit. • After the recognition command was sent to the upstream unit, the TX port level did not go HIGH within the prescribed time.
		• I/F cable of the downstream unit loose, broken, defective • Downstream main board defective, disconnected

Finisher, Booklet Finisher

SC720-01	D	Downstream device communication error
		• Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. • After the recognition command was sent to the upstream unit, the TX port level did not go HIGH within the prescribed time.
		• Interface cable (downstream device side) connector disconnected or broken • PCB of downstream device defective • Controller PCB defective
		• Replace the finisher and interface cable (downstream device side). • Reconnect the connector. • Replace the Main Board (finisher or downstream device option).

SC720-03	B	Protection device break error 1
		There was an error in the voltage level of the 24V_INT_1 power supply (this SC issues immediately at 1st occurrence).
		• Motor defective • Harness short-circuit
		• Replace the motor • Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC720-04	B	Protection device break error 2
		There was an error in the voltage level of the 24V_INT_2 power supply (this SC issues immediately at 1st occurrence).
		• Motor defective • Harness short-circuit
		• Replace the motor/ Reconnect the connector.

		• Replace the harness. • Replace the Main Board.

SC720-05	D	PSU Cooling Fan Error
		There was no LOCK detection signal issued from the fan motor (this SC issues immediately at 1st occurrence).
		• PSU Cooling Fan Motor defective. • Connector disconnected • Drive circuit defective
		• Replace the PSU. • Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC720-10	D	Transport Motor Error 1 (Entrance, Straight-through)
		DC motor drive software detected an error (this SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective
		• Replace the Entrance Motor, reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-11	D	Transport Motor Error 2 (Junction Gate Feed)
		Same as SC720-10
		Same as SC720-10
		• Replace the Junction Gate Transport Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-12	D	Transport Motor Error 3 (Downstream From Punch Unit)
		Same as SC720-10
		Same as SC720-10
		• Replace the Junction Gate Transport Motor. • Reconnect the connectors. • Replace the harnesses.

		• Replace the Main Board.

SC720-13	D	Transport Motor Error 4 (registration)
		Same as SC720-10
		Same as SC720-10
		• Replace the Registration Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-15	B	Transport Motor Error 6 (Pre-stack)
		DC motor drive software detected an error (this SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective
		• Replace the Pre-stack Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-16	D	Exit Motor Error 1 (Proof Tray Exit)
		Same as SC720-15
		Same as SC720-15
		• Replace the Proof Tray Exit Motor • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-17	B	Exit Motor Error 2 (Shift Exit)
		Same as SC720-15
		Same as SC720-15
		• Replace the Shift Exit Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-18	B	Exit Motor Error 3 (Staple Exit)

		Same as SC720-15
		Same as SC720-15
		• Replace the Base Fence Movement Motor. • Reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

SC720-20	D	Junction Gate Motor Error 1 (Proof Tray)
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Junction Gate Motor (proof/shift tray), reconnect the connectors. • Replace the JG HP Sensor (proof/shift), reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the junction gate mechanism (proof).

SC720-21	B	Junction Gate Motor Error 2 (Staple JG)
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Junction Gate Motor (shift/staple), reconnect the connectors. • Replace the JG HP Sensor (shift/staple), reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the junction gate mechanism (staple).

SC720-23	B	Pre-stack Release Motor Error (Pressure/JG release)
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Pre-stack Release Motor, reconnect the connectors. • Replace the Pre-stack Release Sensor, reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the Pre-stack mechanism.

SC720-24	B	Exit Guide Motor Error
		• Same as SC720-23
		• Same as SC720-23
		• Replace the Exit Guide Motor, reconnect the connectors. • Replace the Exit Guide HP Sensor, reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the exit guide mechanism.

SC720-25	D	Punch Motor Error
		• After the punch motor started to operate, the punch was not detected at its home position within specified number of pulses. (The first time: jam display, the second time: SC) • After the punch motor started to operate, the punch did not leave its home position within specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Punch Motor, reconnect the connectors. • Replace the Punch Unit HP Sensor, reconnect the connectors. • Replace the harness. • Replace the Main Board.

		• Resolve the mechanical failure for the punch mechanism.

SC720-26	D	Punch Junction Gate Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload
		• Replace the Punch Junction Gate Motor. • Reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the punch mechanism.

SC720-27	D	Punch Movement Motor Error
		• After the Punch Movement Motor started to operate, the punch did not return to its home position within specified number of pulses. (The first time: jam display, the second time: SC) • When the Punch Movement Motor started to operate, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload
		• Replace the Punch Movement Motor. • Reconnect the connectors. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the punch mechanism.

SC720-28	B	Punch Horizontal Registration Detection Error (Motor /CIS)
		Punch Horizontal Registration CIS Error
		• Motor defective • Connector disconnected • Overload
		• Replace the Punch Horizontal Registration Sensor. • Reconnect the connectors.

		• Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the punch mechanism.

SC720-31	B	Jogger Motor (Front) Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Jogger Motor (Front), reconnect the connector. • Replace the Jogger Fence HP Sensor (Front), reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism.

SC720-32	B	Jogger Motor (Rear) Error
		Same as SC720-31
		Same as SC720-31
		• Replace the Jogger Motor (Rear), reconnect the connector. • Replpace the Jogger Fence HP sensor (Rear), reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism.

SC720-33	B	Positioning Roller Lift Motor Error
		Same as SC720-31
		Same as SC720-31
		• Replace the Positioning Roller Lift Motor, reconnect the connector. • Replace the Positioning Roller HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism.

SC720-34	B	Positioning Roller Rotation Motor Error
		A discharge or short circuit was detected on the motor drive board (this SC issues immediately at first error).
		• Motor defective • Connector loose, broken, defective
		• Replace the Positioning Roller Rotation Motor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC720-35	B	Trailing Edge Press Motor Error
		• The stack plate drive unit in the staple unit did not return to the home position within specified number of pulses. (The first time: jam display, the second time: SC) • When the stack plate drive unit in the staple unit moved from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. During the initial operation, after performing retry, the first time is jam supply and the second time is SC. At all times other than during initial operation, the first time is SC.
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace Trailing Edge Press Motor, reconnect the connector. • Replace Trailing Edge Press Plate HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC720-39	B	Leading Edge Stopper Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. During the initial operation, after performing retry, the first time is jam supply and the

		second time is SC. At all times other than during initial operation, the first time is SC.
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace the Leading Edge Stopper Motor, reconnect the connector. • Replace the Leading Edge Stopper HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC720-40	B	Base Fence Lift Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace the Base Fence Lift Motor, reconnect the connector. • Replace the Base Fence up-down HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC720-41	B	Feed-out Belt Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error.

		During the initial operation, after performing retry, the first time is jam supply and the second time is SC. At all times other than during initial operation, the first time is SC.
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace the Feed-out Belt Motor, reconnect the connector. • Replace the Top Fence HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the Stapler mechanism.

SC720-42	B	Corner Stapler Movement Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace the Corner Stapler Movement Motor, reconnect the connector. • Replace the Corner stapler HP sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism. • Resolve the mechanical failure for the stapler unit mechanism.

SC720-43	B	Corner Stapler Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified

		number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Corner Stapler Motor, reconnect the connector. • Replace the Stapler Rotation HP Sensors (front, rear), reconnect the connectors. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism. • Resolve the mechanical failure for the stapler unit mechanism.

SC720-44	B	Booklet Stapler Motor Error
		• The corner stapler did not operate within specified time • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC)
		• Staple jam • Overload (too many sheets for stapling)
		• Remove the pieces of staples. • Replace the cartridge. • Replace the Booklet Stapler Motor • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler unit mechanism.

SC720-50	B	Booklet Stapler Side Fence Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Booklet Stapler Side Fence Motor, reconnect the connector. • Replace the Booklet Stapler Side Fence HP Sensors (front, rear), reconnect the connectors. • Replace the harnesses. • Replace the Main Board.

		• Resolve the mechanical failure for the booklet stack mechanism.

SC720-51	B	Booklet Bottom Fence Motor Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Booklet Bottom Fence Motor, reconnect the connector. • Replace the Booklet Stapler Bottom Fence HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC720-52	B	Fold Plate Motor Error Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Fold Plate Motor Error, reconnect the connector. • Replace the Fold Plate HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC720-53	B	Booklet Stapler Bottom Fence Motor Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Booklet Stapler Bottom Fence Motor, reconnect the connector. • Replace the Booklet Stapler Bottom Fence HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC720-54	B	Stack Transport Unit Motor Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Stack Transport Unit Motor, reconnect the connector. • Replace the Stack Transport Unit HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC720-55	B	Booklet Stapler Clamp Roller Motor Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Booklet Stapler Clamp Roller Motor, reconnect the connector. • Replace the Booklet Stapler Clamp Roller HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC720-56	B	Turn Guide Motor Error
		Same as SC720-50
		Same as SC720-50
		• Replace the Turn Guide Motor Error, reconnect the connector. • Replace the Stack JG HP sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC720-60	B	Booklet Stapler Motor Error
		• The booklet stapler did not operate within specified time. (The first time: jam display, the second time: SC) • When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC)
		• Staple jam • Overload (too many sheets for stapling) • Motor defective • Connector disconnected • Home position sensor defective
		• Remove the pieces of staples. • Replace the cartridge. • Replace the Booklet Stapler Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler unit mechanism.

SC720-70	B	Shift Tray Lift Motor Error
		• When descending, Paper Height Sensors are still detecting paper after specified time. (The first time: jam display, the second time: SC) • When ascending, Paper Height Sensors did not detect top side of paper within specified time. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Shift Tray Lift Motor, reconnect the connector. • Replace the Paper Height Sensors (TE, shift), reconnect the connector. • Replace the Shift Tray Limit Switch, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the shift tray mechanism.

SC720-71	B	Shift Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Shift Motor, reconnect the connector. • Replace the Shift Tray HP Sensors (Front, Rear), reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift tray mechanism.

SC720-72	B	Shift Jogger Motor Error
		• When the jogger fence moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the jogger fence moved to the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload

		• Home position sensor defective
		• Replace the Shift Jogger Motor, reconnect the connector. • Replace the Shift Tray Jogger HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC720-74	B	Shift Jogger Fence Retract Motor Error
		• When the output jogger retraction unit moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the output jogger retraction unit moved from home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Shift Jogger Fence Retract Motor, reconnect the connector. • Replace the Shift Jogger Retract HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC720-75	B	Drag Roller Movement Motor Error
		• When drag roller unit moved to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When the drag roller unit moved from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Drag Roller Movement Motor, reconnect the connector. • Replace the Drag Roller HP Sensor, reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC720-76	B	Drag Roller Error
		• At cw rotation (roller return), the motor drive board discharged or had a short circuit (this SC issues immediately at first error). • At ccw rotation (press operation), the component was not detected at the home position within the specified number of pulses. (The first time: jam display, the second time: SC) • At ccw rotation (press operation), the component had not moved from the home position within the specified number of pulses. (The first time: jam display, the second time: SC)
		• Motor defective • Connector disconnected • Overload • Home position sensor defective
		• Replace the Drag Roller Motor, reconnect the connector. • Replace the Drag Roller HP Sensor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC720-77	B	Exit Fan Motor Error
		• No lock signal is received for 10 times consecutively.
		• Motor defective • Connector disconnected • Drive circuit defective
		• Replace the Exit Fan Motor (Front, Rear), reconnect the connector. • Replace the harnesses. • Replace the Main Board. • Resolve the mechanical failure for the shift jogger mechanism.

SC720-80	B	Interlock Power Error
		There was an error in the voltage level of the 24V_INT power supply (this SC issues immediately at 1st occurrence).
		Main Board power circuit defective
		• Replace the main board. • Replace the harnesses.

SC720-81	D	Protection Device Break Error 3
		There was an error in the voltage level of the 24V_POW power supply (this SC issues immediately at 1st occurrence).
		• Motor defective

		• Harness short-circuit
		• Replace the motor/ Reconnect the connector. • Replace the harness. • Replace the Main Board.

SC720-82	B	Base Fence Movement Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • DC motor drive software detected an error (this SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective • Home position sensor defective
		• Replace the Base Fence Movement Moto, reconnect the connector. • Replace the Base Fence Front-back HP Sensor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the stapler mechanism.

SC720-83	B	Stack Transport Motor Error
		DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective
		• Replace the Stack Transport Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the staple tray mechanism.

SC720-84	B	Fold Roller Motor Error
		A discharge or short circuit was detected on the motor drive board (this SC issues immediately at first error).
		• Motor defective

		• Connector disconnected • Overload
		• Replace the Fold Roller Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism.

SC720-85	B	Booklet Stack Tray Motor Error
		DC motor drive software detected an error. (This SC issues immediately at 1st occurrence).
		• Motor defective • Connector disconnected • Overload • Encoder defective
		• Replace the Booklet Stack Tray Motor, reconnect the connector. • Replace the harness. • Replace the Main Board. • Resolve the mechanical failure for the booklet stack mechanism. • Resolve the mechanical failure for the booklet stack tray mechanism.

Multi-Folding Unit

SC725-01	D	Downstream device communication error
		• Downstream device break continued even after 10 sec passes. • Partner terminal does not break even 200 msec after the downstream device starts to wait. • ATN without break is received in advance from the downstream device. • ST2 is received from the downstream device during receipt of ST1 frame, or vice versa. • When the response (ACKn) to the frame sent to the downstream device is not notified within the time limit (100 msec), frame sending is retried a maximum of 3 times but there is still no responses acquired. • After connection with the downstream device, the downstream device breaks again.
		• Interface cable (downstream device side) connector disconnected or broken • PCB of downstream device defective • Controller PCB defective
		• Replace the interface cable. • Replace the PCB of downstream device. • Replace the controller board.

SC725-03	D	Multi-Folding Unit: Protection device break error 1

		A fuse has blown on the 24V1 line.
		24V2 line fuse blown
		Replace the Main Board.

SC725-04	D	Multi-Folding Unit: Protection device break error 2
		A fuse has blown on the 24V2 line.
		24V2 line fuse blown
		Replace the Main Board.

SC725-12	B	Registration Roller Transport Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Registration Roller Transport Motor. • Replace the harness.

SC725-13	B	Dynamic Roller Transport Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Dynamic Roller Transport Motor • Replace the harness.

SC725-14	B	Top Tray Exit Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Top Tray Exit Motor. • Replace the harness.

SC725-30	B	Stopper 1 Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC)

		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Stopper 1 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 1 HP Sensor

SC725-31	B	Stopper 2 Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Stopper 2 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 2 HP Sensor.

SC725-32	B	Stopper 3 Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Stopper 3 Motor. • Replace the harness. • Reconnect the connector. • Replace the Stopper 3 HP Sensor.

SC725-33	B	Jogger Fence Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Jogger Fence Motor. • Replace the harness. • Reconnect the connector. • Replace the Jogger Fence HP Sensor.

SC725-34	B	Dynamic Roller Lift Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Dynamic Roller Lift Motor • Replace the harness. • Reconnect the connector. • Replace the Dynamic Roller HP Sensor.

SC725-35	B	Registration Roller Release Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat

		• Connector disconnected
		• Replace the Main Board. • Replace the Registration Roller Release Motor. • Replace the harness. • Reconnect the connector. • Replace the Jogger Fence HP Sensor.

SC725-36	B	Direct-Send JG Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Direct-Send JG Motor. • Replace the harness. • Reconnect the connector. • Replace the Direct Send JG HP Sensor.

SC725-37	B	FM6 Pawl Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the FM6 Pawl Motor. • Replace the harness. • Reconnect the connector. • Replace the Bypass Exit Paper Sensor.

SC725-	B	Fold Plate Motor Error

38		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Fold Plate Motor. • Replace the harness. • Re-connect the connector. • Replace the Fold Plate HP Sensor.

SC725-39	B	1st Fold Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the 1st Fold Motor. • Replace the harness.

SC725-40	B	2nd Fold Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the 2nd Fold Motor • Replace the harness.

SC725-41	B	Crease Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Crease Motor. • Replace the harness.

SC725-71	D	Horizontal Transport Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Horizontal Transport Motor • Replace the harness.

SC725-72	D	Horizontal Exit Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Horizontal Exit Motor. • Replace the harness.

SC725-73	D	Top Tray Transport Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat
		• Replace the Main Board. • Replace the Top Tray Transport Motor • Replace the harness.

SC725-74	D	Entrance JG Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Overcurrent to the motor. • Motor drive overheat • Connector disconnected
		• Replace the Main Board. • Replace the Entrance JG Motor • Replace the harness. • Re-connect the connector. • Replace the Entrance JG HP Sensor.

SC700

Cover Interposer Tray

SC740-01	D	Downstream device communication error
		• Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times. • The port level of the downstream device does not go HIGH (break cancel) within specified time.
		• I/F cable between inserter and downstream device connector is disconnected or broken • Control board of downstream device is defective • Cover interposer tray control board defective
		• Inspect the I/F cable between the downstream unit and cover interposer tray. • Replace I/F cable. • Replace downstream control board. • Replace cover interposer tray control board.

SC740-10	B	1st Lift Motor Error
		• The lift motor rotates in the ascending direction but the upper limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC) • The lift motor rotates in the descending direction but the lower limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC)
		• Motor connector or harness loose, broken, defective • Upper limit sensor, connector, or harness loose, broken, defective • Lower limit sensor, connector, or harness loose, broken, defective • Motor defective • Excessive load on the motor • Lift motor defective/Connecter disconnected
		• Check motor connector, harness • Check upper limit sensor connector, harness • Check lower limit sensor connector, harness • Replace motor, sensor • Replace cover interposer tray control board

SC740-11	B	1st Pick-Up Motor Error
		• Home position is not detected within a specified number of pulses after the pick-up motor is driven. (The first time: jam display, the second time: SC) • Home position is still detected after the pick-up motor has been driven for a specified

		number of pulses. (The first time: jam display, the second time: SC)
		• Motor overload • Motor connecter or harness loose, broken, or defective • HP senor harness loose, broken, defective, or sensor is defective • HP sensor defective • Motor defective
		• Inspect the area around the motor for any obstacle that could interfere with operation. • Inspect the motor connector and harness. • Inspect the HP sensor connector and harness. • Replace harness. • Replace motor. • Replace cover interposer tray control board.

SC740-20	B	2nd Lift Motor Error
		• The lift motor rotates in the ascending direction but the upper limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC) • The lift motor rotates in the descending direction but the lower limit sensor does not detect within specified time (t0sec). (The first time: jam display, the second time: SC)
		• Excessive load on motor • Motor connector or harness loose, broken, defective • Upper limit sensor connector or harness loose, broken, defective • Lower limit sensor connector or harness loose, broken, defective • Upper limit sensor defective • Lower limit sensor defective • Motor defective
		• Inspect the area around the motor for any obstacle that could interfere with operation. • Inspect the motor connector and harness. • Inspect the upper limit sensor connector and harness, and replace if necessary. • Inspect the lower limit sensor connector and harness, and replace if necessary. • Replace motor. • Replace cover interposer tray control board.

SC740-21	B	2nd Pick-Up Motor Error
		• Home position is not detected within a specified number of pulses after the pick-up motor is driven. (The first time: jam display, the second time: SC) • Home position is still detected after the pick-up motor has been driven for a specified number of pulses. (The first time: jam display, the second time: SC)

		• Motor overload • Motor connecter or harness loose, broken, or defective • HP senor harness loose, broken, defective, or sensor is defective • HP sensor defective • Motor defective
		• Inspect the area around the motor for any obstacle that could interfere with operation. • Inspect the motor connector and harness. • Inspect the HP sensor connector and harness. • Replace harness. • Replace motor. • Replace cover interposer tray control board.

High Capacity Stacker

SC730-01	D	Stacker 1 (Upstream): Downstream device communication
SC731-01	D	Stacker 2 (Downstream): Downstream device communication
		• Downstream device break continued even after 10 sec passes. • Partner terminal does not break even 200 msec after the downstream device starts to wait. • ATN without break is received in advance from the downstream device. • ST2 is received from the downstream device during receipt of ST1 frame, or vice versa. • When the response (ACKn) to the frame sent to the downstream device is not notified within the time limit (100 msec), frame sending is retried a maximum of 3 times but there is still no responses acquired. • After connection with the downstream device, the downstream device breaks again.
		• Interface cable (downstream device side) connector disconnected or broken. • Downstream device board defective, control board defective
		• Replace the control board. • Replace the downstream device board. • Replace the interface cable.

SC730-10	D	Stacker 1 (Upstream): Entrance Motor Error
SC731-10	D	Stacker 2 (Downstream): Entrance Motor Error
		• Motor driver detected an error. (SC from the first time)
		• Motor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Entrance Motor connection.

		• Replace the Entrance Motor.

SC730-11	D	Stacker 1 (Upstream): Proof Tray Exit Motor Error
SC731-11	D	Stacker 2 (Downstream): Proof Tray Exit Motor Error
		Motor driver detected an error. (SC from the first time)
		• Motor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Proof Tray Exit Motor connection. • Replace the Proof Tray Exit Motor.

SC730-12	D	Stacker 1 (Upstream): Transport Motor Error
SC731-12	D	Stacker 2 (Downstream): Transport Motor Error
		Motor driver detected an error. (SC from the first time)
		• Motor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Transport Motor connection. • Replace the Transport Motor.

SC730-13	B	Stacker 1 (Upstream): Shift Exit Motor Error
SC731-13	B	Stacker 2 (Downstream): Shift Exit Motor Error
		Motor driver detected an error. (SC from the first time)
		• Motor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Shift Exit Motor connection. • Replace the Shift Exit Motor.

SC730-20	D	Stacker 1 (Upstream): Proof Tray JG Motor Error
SC731-20	D	Stacker 2 (Downstream): Proof Tray JG Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)

		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Proof Tray JG Motor/Proof Tray JG HP Sensor connection. • Replace the Proof Tray JG Motor/Proof Tray JG HP Sensor.

SC730-21	D	Stacker 1 (Upstream): Shift Tray JG Motor Error
SC731-21	D	Stacker 2 (Downstream): Shift Tray JG Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Shift Tray JG Motor/Shift Tray JG HP Sensor connection. • Replace the Shift Tray JG Motor/Shift Tray JG HP Sensor.

SC730-30	B	Stacker 1 (Upstream): Shift Motor Error
SC731-30	B	Stacker 2 (Downstream): Shift Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload

		• Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Shift Motor/Shift HP Sensor connection. • Replace the Shift Motor/Shift HP Sensor.

SC730-31	B	Stacker 1 (Upstream): Main Jogger Front Fence Motor Error
SC731-31	B	Stacker 2 (Downstream): Main Jogger Front Fence Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Main Jogger Front Fence Motor/Front Fence HP Sensor connection. • Replace the Main Jogger Front Fence Motor/Front Fence HP Sensor.

SC730-32	B	Stacker 1 (Upstream): Main Jogger Rear Fence Motor Error
SC731-32	B	Stacker 2 (Downstream): Main Jogger Rear Fence Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected

		• Check the Main Jogger Rear Fence Motor/Rear Fence HP Sensor connection. • Replace the Main Jogger Rear Fence Motor/Rear Fence HP Sensor.

SC730-33	B	Stacker 1 (Upstream): Main Jogger Fence Retraction Motor Error
SC731-33	B	Stacker 2 (Downstream): Main Jogger Fence Retraction Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Main Jogger Fence Retraction Motor/Jogger Fence Retraction HP Sensor connection. • Replace the Main Jogger Fence Retraction Motor/Jogger Fence Retraction HP Sensor.

SC730-34	B	Stacker 1 (Upstream): Sub Jogger Motor Error
SC731-34	B	Stacker 2 (Downstream): Sub Jogger Motor Error
		• When moving to the home position, home position was not detected within specified number of pulses. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified number of pulses. (The first time: jam display, the second time: SC) • Motor driver detected an error. (SC from the first time)
		• Moter defective • Connecter disconnected • Overload • Home position sensor defective • Motor driver overcurrent • Motor driver overheat detected
		• Check the Sub Jogger Motor/Sub Jogger HP Sensor connection. • Replace the Sub Jogger Motor/Sub Jogger HP Sensor.

SC730-35	B	Stacker 1 (Upstream): LE Stopper Motor Error
SC731-35	B	Stacker 2 (Downstream): LE Stopper Motor Error
		• When lowering, the paper height sensor continues to detect paper even after the time limit passes.(The first time: jam display, the second time: SC) • When rising, the paper height sensor does not detect the upper surface of paper even after the time limit passes.(The first time: jam display, the second time: SC) • The tray high limit SW, tray low limit SW and door safety SW is detected. (This SC issues immediately at 1st occurrence).
		• Moter defective • Connecter disconnected • Overload • Paper Height Sensor defective
		• Check the LE Stopper Motor/LE Stopper HP Sensor connection. • Replace the LE Stopper Motor/LE Stopper HP Sensor Sensor.

SC730-40	B	Stacker 1 (Upstream): Tray Lift Motor Error
SC731-40	B	Stacker 2 (Downstream): Tray Lift Motor Error
		• When lowering, the paper height sensor continues to detect paper even after the time limit passes. (The first time: jam display, the second time: SC) • When rising, the paper height sensor does not detect the upper surface of paper even after the time limit passes. (The first time: jam display, the second time: SC) • The tray high limit SW, tray low limit SW and door safety SW is detected. (This SC issues immediately at 1st occurrence)
		• Moter defective • Connecter disconnected • Overload • Paper Height Sensor defective
		• Check the Tray Lift Motor/Paper Height Sensor connection. • Replace the Tray Lift Motor/Paper Height Sensor.

SC700

Perfect Binder

SC750-01	D	Perfect Binder: Communication error with downstream peripheral
		• Break continued for 10 seconds or longer. • Anther STN was received during frame receipt. • No response even after resending 3 times.
		• Relay board defective, connector loose, broke, defective
		• Reconnect the connector. • Replace the relay board. • Replace the harness.

SC750-10	D	Perfect Binder: Master-to-slave communication error 1
		Master control board could not communicate with the slave control board for over 5 sec. and issued the communication alarm.
		• Master control board defective. • Slave Control Board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the master control board. • Replace the slave control board. • Replace the harness.

SC750-11	D	Perfect Binder: Master-to-slave communication error 2
		Slave control board could not communicate with the master control board for over 5 sec. and issued the communication alarm.
		• Master control board defective. • Slave Control Board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the master control board. • Replace the slave control board. • Replace the harness.

SC750-12	D	Perfect Binder: Master-to-relay board communication error
		• IPU not "READY" • IPU occupancy not obtained • IPU detected an error

		• Master control board defective. • Connector loose, broken, defective
		• Reconnect the connector. • Replace the relay board. • Replace the master control board. • Replace the harness.

SC750-13	D	Perfect Binder: Slave-to-cutter control board communication error 1
		Slave control board could not communicate with the cutter control board (it detected the communication alarm for over 5 sec.).
		• Slave Control Board defective • Cutter control board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the slave control board. • Replace the cutter control board. • Replace the harness.

SC750-14	D	Perfect Binder: Slave-to-cutter control board communication error 2
		Cutter control board could not communicate with the slave control board and detected the communication alarm for over 5 sec.
		• Slave Control Board defective • Cutter control board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the slave control board. • Replace the cutter control board. • Replace the harness.

SC750-15	D	Perfect Binder: Master EEPROM Read Error
		Data written to the EEPROM does not match data read from the EEPROM
		• EEPROM defective
		• Replace the master control board EEPROM • Replace the master control board.

SC750-16	D	Perfect Binder: Master EEPROM write error
		When data was written to the EEPROM, the EEPROM signaled that it was busy for longer than 25 ms and did not recover.

		• EEPROM defective • EEPROM not installed
		• Install the master control board EEPROM • Replace the master control board EEPROM • Replace the master control board.

SC750-17	D	Perfect Binder: Master-to-inserter initial communication error
		After the ConfigSet (parallel signal) went ON while the inserter connection status was being checked, the initialization did not end successfully within 5 sec.
		• Inserter board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the master control board. • Replace the inserter board. • Replace the harness.

SC750-18	D	Perfect Binder: Master-to-Inserter Board Communication Error
		No response to the specified command during the timeout. There was an overflow in memory where information required for paper feed is stored. (Master control board detection.)
		• Communication error at inserter • Connector loose, broken, defective
		• Reconnect the connector. • Replace the master control board. • Replace the inserter board. • Replace the harness.

SC750-19	D	Perfect Binder: Software matching error
		The IDs for the relay software of the master, slave, cutter, inserter devices do not match.
		• Software write failure
		• Download the software.

SC750-20	D	Perfect Binder: 24V Check Signal Error 1
		The 24V1 monitor signal of the master control board did not go off even though the front door switch was closed. (Relay circuit failed to go ON.)
		• Front door L/R SW defective • Master control board defective.
		• Reconnect the connector.

		• Replace the front door L/R SW. • Replace the master control board. • Replace the sensor harness

SC750-21	D	Perfect Binder: 24V Check Signal Error 2
		Top cover switch open or the 24V2 monitoring signal of master controller lost power for more than 5 sec, regardless of the status of the front door L/RWS and top cover sensor. (Top cover sensor, or top cover switch is faulty.)
		• Front door L/RSW defective • Top cover switch defective • Top cover sensor defective • Master board defective
		• Reconnect the connector. • Replace the front door L/RSW. • Replace the top cover switch • Replace the top cover sensor. • Replace the master control board. • Replace the sensor harness.

SC750-22	D	Perfect Binder: 24V Check Signal Error 3
		The the 24V2 check signal of the slave control board failed to go OFF within 5 sec. even though the front door and top cover are closed.
		• Front door L/RSW defective • Top cover switch defective • Top cover sensor defective • Master board defective
		• Reconnect the connector. • Replace the front door L/RSW. • Replace the Top cover switch • Replace the topcover sensor. • Replace the slave board. • Replace the sensor harness.

SC750-23	D	Perfect Binder: 24V Check Signal Error 4
		The 24V3 check signal of the slave control board failed to go OFF within 5 sec., regardless of the status of the front door (monitored by the master control board).
		• Front door L/RSW defective • Slave Control Board defective

		• Reconnect the connector. • Replace the front door L/RSW • Replace the slave board. • Replace the sensor harness.

SC750-24	D	Perfect Binder: Power supply fan (right) lock error
		Right power supply fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		• Right power supply fan overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the right power supply fan • Replace the slave board. • Replace the motor harness.

SC750-25	D	Perfect Binder: Power supply fan (center) lock error
		See SC750-24
		• Center power supply fan overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the center power supply fan • Replace the slave board. • Replace the motor harness.

SC750-26	D	Perfect Binder: Left power supply fan lock error detected
		See SC750-24
		• Left power supply fan overloaded, defective • Master control board defective
		• Reconnect the connector. • Replace the left power supply fan • Replace the master control board. • Replace the motor harness.

SC750-27	D	Perfect Binder: Spine plate fan (front) lock error
		Front spine plate fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		• Front spine plate fan overloaded, defective • Slave Control Board defective

		• Reconnect the connector. • Replace the front spine plate fan. • Replace the slave board. • Replace the motor harness.

SC750-28	D	Perfect Binder: Spine plate lower fan (right) lock error
		See SC750-27
		• Right lower spine plate fan overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the right lower spin plate fan. • Replace the slave board. • Replace the motor harness.

SC750-29	D	Perfect Binder: Spine plate upper fan (front) lock error
		See SC750-27
		• Front upper spine plate fan overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the front upper spine plate fan. • Replace the slave board. • Replace the motor harness.

SC750-30	D	Perfect Binder: Spine plate upper fan (right) lock error
		See SC750-27
		• Upper right spine plate fan overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the upper right spine plate fan. • Replace the slave board. • Replace the motor harness.

SC750-31	D	Perfect Binder: Signature fan 2 (front) lock error
		Front signature fan 2 failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		• Front signature fan 2 overloaded, defective • Slave Control Board defective
		• Reconnect the connector.

		• Replace the front signature fan 2. • Replace the slave board. • Replace the motor harness.

SC750-32	D	Perfect Binder: Signature fan 2 (rear) lock error
		See SC750-31
		• Rear signature fan 2 overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the rear signature fan 2. • Replace the slave board. • Replace the motor harness.

SC750-33	D	Perfect Binder: Signature fan 1 (front) lock error
		See SC750-31
		• Front signature fan 1 overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the front signature fan 1. • Replace the slave board. • Replace the motor harness.

SC750-34	D	Perfect Binder: Signature fan 1 (rear) lock error
		See SC750-31
		• Rear signature fan 1 overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the rear signature fan 1. • Replace the slave board. • Replace the motor harness.

SC750-35	D	Perfect Binder: Glue supply fan (high) lock error
		Glue supply (high) fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		• Glue supply fan (high) overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the glure supply fan (high).

		• Replace the slave board. • Replace the motor harness.

SC750-36	D	Perfect Binder: Glue supply fan L lock error
		Glue supply L fan failed to generate a lock signal within 12 sec., and signal could be detected even after a re-try.
		• Glue supply fan L overloaded, defective • Slave Control Board defective
		• Reconnect the connector. • Replace the glue supply fan L. • Replace the slave board. • Replace the motor harness.

SC750-37	D	Perfect Binder: Grip HP sensor lag error
		During operation of the grip unit the HP sensor did not OFF after grip unit moved 20 mm.
		• Grip motor defective, grip HP sensor defective, overload, sensor flag defective, connector broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-38	D	Perfect Binder: Grip HP sensor late error
		The HP sensor did not go ON after the grip unit released the signature and moved 76 mm.
		• Grip motor defective, Grip end sensor defective , overload, Sensor flag defective, connector broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-39	D	Perfect Binder: Grip end sensor lag error
		• The grip end sensor did not go off after the grip unit released the signature and moved the prescribed distance.

		• The grip end sensor did not go off, even after the booklet had been released after moving 86 mm.
		• Grip motor defective, Grip end sensor defective, overload Sensor flag defective, connector broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-40	D	Perfect Binder: Grip end sensor late error
		• The grip end sensor did not go on, even after the booklet had been moved 86 mm. • The grip end sensor did not go on within 3.7 sec. after the book was gripped.
		• Grip motor defective, Grip end sensor defective, overload, Sensor flag defective, connector broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-41	D	Perfect Binder: Left trimming buffer HP sensor lag error
		The left trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		• Trimmings buffer motor defective , Left trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the left trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-	D	Perfect Binder: Trimming buffer HP sensor late error

42		The left trimmings buffer HP sensor did not go OFF within 5 sec. after the trimmings buffer moved toward the sensor.
		Trimmings buffer motor defective, Left trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the left trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-43	D	Perfect Binder: Right trimming buffer HP sensor lag error
		The right trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		Trimmings buffer motor defective, Right trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the right trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-44	D	Perfect Binder: Right trimming buffer HP sensor late error
		The right trimmings buffer HP sensor did not go OFF within 5 sec. after the trimmings buffer moved toward the sensor.
		Trimmings buffer motor defective, Right trimmings buffer HP sensor defective, overload, connector broken defective, Buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the right trimming buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-45	D	Perfect Binder: Trimmings buffer motor rotation error
		No encoder lock input received within 50 ms during operation.
		• Trimmings buffer motor defective • Trimming buffer encoder sensor defective, overload, connector broken defective, buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the trimming buffer encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-46	D	Perfect Binder: Thrust plate operation error
		The thrust press plate sensor did not go OFF after the trimmings buffer moved to the left for 3 sec. (blocked by jammed trimming scraps).
		Trimmings buffer motor defective, Thrust plate sensor defective, overload, connector broken defective, buffer full of trimmings
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-47	D	Perfect Binder: Thrust plate retraction error
		The paper press plate sensor did not go ON after the trimmings buffer moved to the right for 3 sec. (blocked by jammed trimming scraps)
		Trimmings buffer motor defective, Thrust plate sensor defective, overload, connector broken defective, buffer full of trimmings.
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-48	D	Perfect Binder: Book collection buffer HP sensor error
		The book collection buffer HP sensor did not go OFF within the time prescribed for release of the book in the book buffer.
		Book buffer tray motor defective, Book collection buffer tray HP sensor defective, overload, connector broken defective, blocked by paper scraps
		• Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-49	D	Perfect Binder: Book collection buffer tray HP sensor late error
		The book collection buffer HP sensor did not go off even after the book buffer tray moved for 3 sec.
		Book buffer tray motor defective, Book collection buffer tray HP sensor defective, overload, connector broken defective, blocked by paper scraps
		• Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-50	D	Perfect Binder: Press HP sensor lag error
		During press plate operation during trimming, the edge press plate HP sensor did not OFF after it had time to move the prescribed distance.
		Edge press plate motor defective, Press HP sensor defective, overload, connector broken defective
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the motor harness.

		• Replace the sensor harness.

SC750-51	D	Perfect Binder: Edge press plate late error
		• Edge press plate sensor did not go ON within 15 sec. of edge press release. • The edge press plage motor stopped when the edge press plate HP sensor switched ON, but after it stopped the HP sensor went OFF.
		• Edge press plate motor defective, Press HP sensor defective, overload, disconnected • Edge press plate motor defective, Press end sensor defective, overload
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-52	D	Perfect Binder: Press end sensor lag jam
		After the press plate released the signature and moved the prescribed distance, the press end sensor did not go OFF.
		Edge press plate motor defective, Press end sensor defective, overload, disconnected
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-53	D	Perfect Binder: Press end sensor late jam
		• The press end sensor did not go ON within 8 sec. after the press operation started • Operation stopped when the press end sensor went ON, but sensor went off after the operation stopped.
		Edge press plate motor defective, Press end sensor defective, overload, disconnected, no data about book thickness received
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-54	D	Perfect Binder: Press limit sensor error
		Press limit sensor signaled ON.
		Press limit sensor signaled ON.
		• Reconnect the connector. • Replace the press limit sensor. • Replace the press HP sensor. • Replace the cutter control board. • Replace the sensor harness.

SC750-55	D	Perfect Binder: Slide HP sensor lag error
		When the slide was raised, the slide HP sensor did not go OFF after it moved 180 mm.
		Slide motor defective, slide HP sensor defective, overload, disconnected, book jam
		• Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-56	D	Perfect Binder: Slide HP sensor late error
		The slide HP sensor did not go ON after the slide was lowered and had enough time to move 180 mm.
		Slide motor defective, slide HP sensor defective, overload, disconnected, book jam
		• Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-57	D	Perfect Binder: Book rotation HP sensor (right) lag error
		• The book rotation HP sensor did not go OFF after the book was rotated 60 degrees. • The book rotation HP sensor did not go OFF after the book was rotated 30 degrees.
		Book rotation motor 1 (right) defective, Book rotation HP sensor (right) defective, overload, disconnected, book jam
		• Reconnect the connector.

		• Replace the book rotation motor 1 (right) • Replace the book rotation HP sensor (right) • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-58	D	Perfect Binder: Book rotation HP sensor (right) late error
		• The book rotation HP 1 (right) sensor did not go ON after the book was rotated 440 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 360 degrees.
		Book rotation motor 1 (right) defective, Book rotation HP sensor (right) defective, overload, disconnected, book jam
		• Reconnect the connector. • Replace the book rotation motor 1 (right) • Replace the book rotation HP sensor (right) • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-59	D	Perfect Binder: Book rotation HP sensor (left) lag error
		• The book rotation HP sensor 2 (right) did not go OFF after the book was rotated 50 degrees. • The book rotation HP sensor 2 (left) did not go OFF after the book was rotated 50 degrees toward the cutting position.
		Book rotation motor 2 (left)defective, Book rotation HP sensor 2(left) defective, overload, disconnected, book jam
		• Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2(left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-60	D	Perfect Binder: Book rotation HP sensor (left) late error
		• The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 360 degrees. • Before the book is rotated before cutting, the book rotation HP sensor 2 (left) did not go on, even after the book had been rotated twice the prescribed distance.
		Book rotation motor 2 (left)defective, book rotation HP 2 (left) sensor defective, overload, disconnected, book jam
		• Reconnect the connector. • Replace the book rotation HP 2 (left) sensor. • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-61	D	Perfect Binder: Cutter front HP sensor lag error
		• At initialization, the blade did not leave the home position even after 20 mm of movement. • When the blade moved to the rear, the blade did not leave the home position after the length of time elapsed tof 10 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-62	D	Perfect Binder: Cutter rear HP sensor late error
		When the blade was moved to the rear, it did not arrive at the home position after 122 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-63	D	Perfect Binder: Cutter rear HP sensor lag error
		• When the blade moved from the rear HP sensor, it did not leave the rear HP position after 20 mm of movement toward the front. • When the blade moved to the front, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnected, overload
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-64	D	Perfect Binder: Cutter front HP sensor lag error
		When the blade is moved to the front, the blade did not return to blade sensor 1 after enough time had elapsed for the blade to move 122 mm.
		Cutter motor defective, Blade sensors 1, 2 defective, disconnect, overload
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-65	D	Perfect Binder: Cut end late error
		• During movement from front to rear during cutting, blade sensor 1 did not go ON after enough time had elapsed for the blade to move 61 mm. • During movement from front to rear during cutting, blade sensor 1 did not go ON after 10 sec. had elapsed.
		Cutter motor defective, Blade sensors 1 defective, disconnected, overload. Blade is dull, not cutting efficiently.
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade.

SC750-66	D	Perfect Binder: Cut end lag error
		• During movement from rear to front during cutting, blade sensor 1 did not go OFF after enough time had elapsed for the blade to move 61 mm. • During movement from rear to front during cutting, blade sensor 1 did not go OFF after 10 sec. had elapsed.
		Cutter motor defective, Blade sensors 1 defective, disconnected, overload. Blade is dull, not cutting efficiently.
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensors 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade.

SC750-67	D	Perfect Binder: Trimmer limit sensor error
		Trimmer limit sensor signaled ON.
		Trimmer limit sensor defective Blade sensors 1, 2 defective , disconnect
		• Reconnect the connector. • Replace the Trimmer limit sensor. • Replace the blade sensors 1, 2. • Replace the cutter control board. • Replace the sensor harness.

SC750-68	D	Perfect Binder: Book lift tray HP sensor lag error
		• During tray lifting, the book tray lift sensor did not go off after 10 sec. had elapsed. • The book lift sensor did not go off after enough time had elapsed to move the tray more than 10 mm.
		Book lift tray motor defective, Book lift tray HP sensor defective, disconnect, overload
		• Reconnect the connector. • Replace the book lift tray motor. • Replace the book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-	D	Perfect Binder: Book lift tray HP sensor late error

69		While the book lift tray was being lowered, the book lift tray HP sensor did not go on after 1.5 sec. had elapsed.
		Book lift tray motor defective, Book lift tray HP sensor defective, disconnect, overload, Book jam, bundle drop
		• Reconnect the connector. • Replace the book lift tray motor. • Replace the book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-70	D	Perfect Binder: Book lift tray motor rotation error
		No encoder lock input received within 50 ms during operation.
		• Book lift tray motor defective, • Book lift tray encoder sensor defective, disconnect
		• Reconnect the connector. • Replace the book lift tray motor. • Replace the Book lift tray encoder sensor • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC750-71	D	Perfect Binder: Book output tray HP sensor lag error
		• The book output tray HP sensor did not go OFF within 1 sec. after it went ON. • The book output tray HP sensor did not go OFF after enough time had elapsed for the tray to move more than 10 mm.
		Book output belt motor defective, Book output tray HP sensor defected, disconnect, overload
		• Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-72	D	Perfect Binder: Book out put tray HP sensor late error
		The book output tray HP sensor did not go ON within 3.5 sec. after it went OFF.

		Book output belt motor defective, Book output tray HP sensor defected, disconnect, overload
		• Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-73	D	Perfect Binder: Blade cradle HP sensor lag error
		While the blade was retracting to the home position, the blade cradle sensor did not go OFF after enough time had elapsed for the blade to move 12 mm.
		Blade cradle motor defective, Blade cradle sensor defective, disconnect, overload
		• Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness.

SC750-74	D	Perfect Binder: Blade cradle HP sensor late error
		While the bladed was being lowered, the blade cradle HP sensor did not go ON after enough time had elapsed for 21 mm of movement.
		Blade cradle motor defective, the blade cradle HP sensor defective, disconnect, overload, blade cradle or cutter physically jammed by obstacle
		• Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Remove the blade and the edge press plate.

SC750-75	D	Perfect Binder: Book door lock error
		The book door sensor was detected OFF with the book door locked.
		Book door lock solenoid defective, Book door sensor defective, disconnect
		• Reconnect the connector. • Replace the book door lock solenoid. • Replace the book door sensor.

		• Replace the cutter control board. • Replace the SOL harness. • Replace the sensor harness.

SC750-76	D	Perfect Binder: Glue heater error
		The glue heater thermistor registered more that 200 degrees for more than 1 sec.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-77	D	Perfect Binder: Electrical short in the gluing unit
		A temperature of less than 5 degrees was detected for 1 sec. or more than 10 sec. after power on.) However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-78	D	Perfect Binder: Glue heater startup error 1
		Glue temperature thermistor did not detect a temperature of 140 degrees within 200 sec. after it detected a temperature over 50 degrees.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-79	D	Perfect Binder: Low temperature detection error
		After adjustment of the glue temperature, the glue temperature thermistor detected a temperature lower than 135 degrees for more than 10 sec.
		• Glue temperature thermistor defective

		• Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-80	D	Perfect Binder: High temperature error
		Thermistor detected abnormal high temperature.
		• Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-81	D	Perfect Binder: Thermostat error
		Abnormal thermostat detection.
		• Thermostat defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-82	D	Perfect Binder: Glue level thermistor error 1
		After glue warm-up completed, the glue level thermistor detected a temperature of over 170 degrees for more than10 sec.
		• Glue level thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-83	D	Perfect Binder: Glue level thermistor error 2
		After glue warm-up completed, the glue level thermistor detected a temperature less than 100 degrees for more than10 sec.
		• Glue level thermistor defective

		• Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-84	D	Perfect Binder: Thermistor disconnect error
		The glue abnormal temperature thermistor detected a temperature of less than 5 degrees for 1 sec., or more than 10 sec. after power on. However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		• Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-85	D	Perfect Binder: Glue level thermistor disconnect error
		The AD value of the glue level thermistor was above 991 LSB for 10 sec. Temperature adjustment mode stops if glue level sensor detects the temperature remaining below 99 degrees for more than 10 sec.
		• Glue level thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC750-86	D	Perfect Binder: Internal temperature thermostat error
		The A/D value of the internal temperature thermostat was detected above 80 degrees for 1 sec.
		Internal temperature thermistor defective, Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC750-87	D	Perfect Binder: Internal temperature thermostat disconnect error
		The A/D value of the internal temperature thermostat was detected below -20 degrees for 1

		sec.
		Internal temperature thermistor defective, Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC750-88	D	Perfect Binder: Internal temperature thermostat error
		Temperature was detected above 10C three consecutive times (sampled every sec. for 1 min.).
		Internal temperature thermistor defective, Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness.

SC750-89	D	Perfect Binder: Glue heater startup error 2
		The warm-up temperature was above the +-5C target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		• Internal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness.

SC751-10	D	Glue heater startup error 3
		The warm-up temperature was below the +-5C target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		• Internal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the theristor harness.

SC751-11	D	Perfect Binder: Glue heater startup error 4
		At the end of temperature adjustment at power on, warm-up did not complete within 500 sec. The glue vat temperature did not reach the warm-up temperature within 500 sec.
		• Glue heater connector loose, broken, defective • Heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board.

SC751-12	D	Perfect Binder: Ambient temperature error
		Ambient temperature is not within the operational range: It was between 0°C and -20°C.
		• Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		• Reconnect the connector. • Check the room temperature (0°C or higher). • Replace the internal temperature thermistor. • Replace the slave board. • Replace the theristor harness.

SC751-13	D	Perfect Binder: Glue low limit late error
		The level of the glue in the vat was detected below the low limit 4 times.
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit.

SC751-14	D	Perfect Binder: Glue high limit late error
		Without glue application, and with the glue level above the low limit, the glue level thermistor did not detect the the level of the glue at the high limit, even after 12 glue pellets were supplied.
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective

		• Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit.

SC751-15	D	Perfect Binder: Glue lowering level error
		Without glue supply, the level of the glue detected by the glue lever thermistor did not lower away from the high limit level, even after application of 25.42 g.
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board defective • Glue application defective
		• Reconnect the connector. • Adjust the amount of glue application. • Replace the gluing unit.. • Replace the slave board. • Check the gluing unit.

SC751-16		Perfect Binder: Glue level thermistor adjustment value error
		• Temperature detected by glue level thermistor out of range, 128°C+-14°C for low limit. • Temperature detected by glue level thermistor out of range, 142°C+-10°C for high limit. • The glue level thermistor adjustment value for low limit is larger than the high level. • Glue level thermistor target value is 5°C off the values of the low and high limit.
		• Master control board EEPROM defective • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board disconnected, defective
		• Reconnect the connector. • Re-set the value for glue level thermistor. • Replace the gluing unit.. • Replace the master control board EEPROM • Replace the slave board. • Replace the master control board.

SC751-17	D	Perfect Binder: Timing sensor adjustment high value error
		The timing sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after timing sensor D/A output value was higher than 3.5V.
		• Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Clean the sensor. • Replace the timing sensor. • Replace the master control board • Replace the sensor harness.

SC751-18	D	Perfect Binder: Cover registration sensor adjustment high value error
		The cover registration sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after cover registration sensor output value output was higher than 3.5V.
		• Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Clean the sensor. • Replace the cover registration sensor. • Replace the master control board • Replace the sensor harness.

SC751-19	D	Perfect Binder: Cover horizontal registration sensor (S) adjustment high value error
		The cover horizontal registration sensor (S) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor (S) D/A output value output was higher than 3.7V.
		• Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness.

SC751-20	D	Perfect Binder: Cover horizontal registration sensor (L) adjustment high value error
		The cover horizontal registration sensor (L) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover horizontal registration sensor (L) D/A output value output was higher than 3.7V.
		• Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Clean the sensor. • Replace the Cover horizontal registration sensor (L) • Replace the slave control board. • Replace the sensor harness.

SC751-21	D	Perfect Binder: Signature exit sensor adjustment high value error
		The signature exit sensor A/D input value was lower than 3.2 to 3.54V, the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor output value output was higher than 3.7V.
		• Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness.

SC751-22	D	Perfect Binder: LE detect sensor adjustment high value error
		The leading edge detect sensor A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor A/D output value output was higher than 3.7V.
		• LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness.

SC751-	D	Perfect Binder: Entrance path sensor adjustment high value error

23		When the entrance path sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		• Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness.

SC751-24	D	Perfect Binder: Book registration sensor adjustment high value error
		When the book registration sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		• Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness.

SC751-25	D	Perfect Binder: Timing sensor adjustment low value error
		The timing sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after timing sensor D/A output value was lower than 0.1V.
		• Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Replace the timing sensor. • Replace the cutter control board. • Replace the sensor harness.

SC751-26	D	Perfect Binder: Cover registration sensor adjustment low value error
		The cover registration sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after cover registration sensor D/A output value output was lowered 0.1V.
		• Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective

		• Reconnect the connector. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness.

SC751-27	D	Perfect Binder: Cover horizontal registration sensor (S) adjustment low value error
		The cover horizontal registration sensor (S) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		• Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Replace the Cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness.

SC751-28	D	Perfect Binder: Cover horizontal registration sensor (L) adjustment low value error
		The cover horizontal registration sensor (L) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		• Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Replace the cover horizontal registration sensor (L). • Replace the slave control board. • Replace the sensor harness.

SC751-29	D	Perfect Binder: Signature exit sensor adjustment low value error
		The signature exit sensor A/D input value was higher than 3.2 to 3.54V, the A/D input value did not enter the range 3.2 to 3.54V, even after cover registration sensor output value output was lowered 0.04V.
		• Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the signature exit sensor.

		• Replace the slave control board. • Replace the sensor harness.

SC751-30	D	Perfect Binder: LE detect sensor adjustment low value error
		The LE detect sensor A/D input value was higher than 3.2 to 3.54V, and the sensor A/D input value did not enter the range 3.2 to 3.54V, even after the sensor output value was raised 0.04V.
		• LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness.

SC751-31	D	Perfect Binder: Entrance path sensor adjustment low value error
		When the entrance path sensor was adjusted, the sensor A/D input was higher than 2.58 V, even after the sensor D/A output was lowered to 0V.
		• Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness.

SC751-32	D	Perfect Binder: Book registration sensor adjustment low value error
		When the book registration sensor was adjusted, the sensor A/D input was more than 2.58 V, even after the sensor D/A output was less than 0V.
		• Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness.

SC751-33	D	Perfect Binder: LE detect sensor late error
		The stack was late for gluing to the cover because there was no stack transport end sensor from the slave control board and there was no signal that the LE detect sensor had signaled to arrival

		of the stack.
		LE detect sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the cutter control board • Replace the motor harness. • Replace the sensor harness. • Replace the harness. • Clear the signature jam.

SC751-34	D	Perfect Binder: Trim unit entrance sensor late error
		The stack was late arriving because the trim unit entrance sensor did not go ON even after a transport end signal was received.
		• Trim unit entrance sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the entrance path sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC751-35	D	Perfect Binder: Book registration sensor late error
		At the start of cutter registration, the book registration did not go ON. The stack could not be detected for fore edge cutting.
		• Book registration sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam.

SC751-36	D	Perfect Binder: Signature exit sensor lag error
		When the power was turned on, the cover path was closed and the signature exit sensor detected paper present, but the LE detect sensor had detected no paper present.
		• Signature exit sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the signature exit sensor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam.

SC751-37	D	Perfect Binder: Entrance path sensor late error
		During the automatic exit operation, the entrance path sensor could not detect any paper within 6860 ms after gluing and stack transport started.
		• Entrance path sensor connector loose, broken, defective • Sensor defective • Stack transport roller defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the entrance path sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC751-38	D	Perfect Binder: Main grip late error
		There was no stack received from the sub grip unit; the main grip signature sensor detected no stack.
		• Main grip signature sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the signature movement motor. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC751-39	D	Perfect Binder: Trim unit entrance sensor lag error
		• At the end of initialization at power on, the entrance path sensor went ON. • At the end of automatic exit, the entrance path sensor went ON.
		• Trim unit entrance sensor connector, loose, broken, defective
		• Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam.

SC751-40	D	Perfect Binder: Book registration sensor lag error
		Book registration sensor: • Detected ON at the end of initialization after power on. • Detected ON at the end of automatic exit operation. • Detected ON at the end of book binding and automatic exit. • Could detect no stack at fore edge cutting. • Detected ON at end of grip operation during book binding.
		• Book registration sensor connector loose, broken, defective • Sensor defective at the lift tray
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam.

SC751-41	D	Perfect Binder: Book arrival sensor lag error
		Not detected
		• Book arrival sensor connector loose, broken, defective • Sensor defective • Book failed to reach output tray • Fore edge trim scraps fell into output area
		• Not detected

SC751-42	D	Perfect Binder: Trimming jam error
		• The edge press plate HP sensor remained OFF after disposing of the trimmed paper and the trimmings buffer was moved 19 mm to the right. • After the trimmings buffer door was opened and closed tto check for paper scraps, the machine detected paper scrap jam 3 times (and issued the alarm after the 2nd detection).

		• There are scraps in the trimmings buffer and at the edge press plate
		• Edge press plate HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the trimming buffer motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC751-43	D	Perfect Binder: Sub grip unit lag error
		When the sub grip unit was checked for the presence of paper, no paper could be detected even after opening the sub grip unit.
		• Paper remains in the sub grip unit. • Sub grip paper sensor connector loose, broken, defective
		• Reconnect the connector. • Replace the SG motor. • Replace the sub grip paper sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC751-44	D	Perfect Binder: Main grip unit lag error
		• Although cutter retracted, the absence of paper could not be detected. • Paper remains in the main grip unit
		• Main grip signature sensor loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. • Replace the signature exit roller motor. • Replace the motor harness.

SC751-	D	Perfect Binder: Signature thickness sensor minimum value error

45		When the result of the signature thickness detection (A/D value) was adjusted, the minimum value (0 mm) was smaller than the A/D value of -30.
		• Signature thickness sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC751-46	D	Perfect Binder: Signature thickness sensor maximum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the maximum value (25mm) was smaller than the A/D value.
		• Sensor defective
		• Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC751-47	D	Perfect Binder: Signature thickness sensor value unstable error
		The signature thickness reading did not change, even after the main grip unit opened and closed.
		• Signature thickness sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the master control board EEPROM • Replace the slave control board. • Replace the master control board. • Replace the VR harness.

SC751-	D	Perfect Binder: Glue vat HP sensor late error

48		• The glue vat HP sensor (rear) did not go ON when the glue vat roller motor initialized at power on and remained on for 4240 ms. • When the glue vat HP sensor (rear) moved from the HP to the front, the glue vat HP sensor was already OFF.
		• Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the glue vat roller motor. • Replace the glue vat HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-49	D	Perfect Binder: Glue vat HP sensor lag error
		The glue vat HP sensor did not go off when the glue vat moved to the front, even though the glue vat roller motor operated for 285 ms. The glue vat HP sensor was already ON when the glue vat moved from the front to the rear.
		• Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the glue vat roller motor. • Replace the glue vat HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-50	D	Perfect Binder: Glue vat roller motor error
		The glue vat roller rotation sensor could not detect rotation of the glue vat roller motor within 1200 ms of motor operation.
		• Glue vat roller motor connector loose, broken, defective • Motor defective • Glue vat roller rotation sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the glue vat roller motor.

		• Replace the glue vat roller rotation sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-51	D	Perfect Binder: Glue roller HP sensor late error
		During glue supply, the glue roller HP sensor did not go ON, even though the glue roller motor was operating for 1000 ms.
		• Glue supply motor connector loose, broken, defective • Motor defective • Glue pellets jammed • Glue roller HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Remove the cause of jam (glue pellets).

SC751-52	D	Perfect Binder: Glue roller HP sensor lag error
		During glue supply, the glue roller HP sensor did not go OFF, even though the glue roller motor was operating for 2400 ms.
		• Glue supply motor connector loose, broken, defective • Motor defective • Glue pellets jammed • Glue roller HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Remove the cause of jam (glue pellets).

SC751-	D	Perfect Binder: Spine fold HP sensor (L) late error

53		• The spine fold HP sensor (left) did not go ON during spine folding, even after the spine fold motor (left) was operating for 5805 ms (or enough time elapsed for the plate to travel 101.24 mm). • When the spine fold plate moved from the open to closed position, the spine fold HP sensor (left) was already OFF.
		• Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine fold HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-54	D	Perfect Binder: Spine fold HP sensor (L) lag error
		• The spine fold (left) HP sensor did not go OFF when the spine fold plate closed, even while the spine fold motor (left) was operating for 500 ms. • When the spine fold plate moved from the close to open position, the spine fold HP sensor (left) was already ON.
		• Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine fold HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-55	D	Perfect Binder: Left spine fold plate close error
		In the operation of the left spine fold plate, the left spine close sensor did not go ON, even after the left spine fold plate motor was on for 5805 ms, equivalent to the plate moving 101.25 mm. When the spine fold plate moved from the closed to open position, the left spine close sensor was already OFF.
		• Spine fold motor (L) connector loose, broken, defective • Motor defective

		• Spine close sensor (L) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-56	D	Perfect Binder: Left spine fold plate open error
		In the operation of the left spine fold plate, the left spine close sensor did not go OFFN, even after the left spine fold plate motor was on for 500 ms. When the spine fold plate moved from the open to closed position, the left spine close sensor was already ON.
		• Spine fold motor (L) connector loose, broken, defective • Motor defective • Spine close sensor (L) connector loose, broken, defective
		• Reconnect the connector. • Replace the spine fold motor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-57	D	Perfect Binder: Spine fold HP sensor (L) error
		The spine fold HP sensor (L) and spine fold close sensor (L) went ON at the same time.
		• Spine fold HP sensor (L) connector loose, broken, defective • Sensor defective • Spine close sensor (L) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold HP sensor (L). • Replace the spine close sensor (L). • Replace the slave control board. • Replace the sensor harness.

SC751-58	D	Perfect Binder: Spine fold HP sensor (R) error
		• The spine fold HP sensor (right) did not go ON during operation of the right fold plate,

		even after the spine fold motor (right) was operating for 3225 ms (or enough time elapsed for the plate to travel 56.25mm). • When the spine fold plate moved from the open to closed position, the spine fold HP sensor (right) was already OFF.
		• Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold HP sensor (R) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (R). • Replace the Spine fold HP sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-59	D	Perfect Binder: Spine fold HP sensor (R) lag error
		• The spine fold (right) HP sensor did not go OFF when the spine fold plate closed, even while the spine fold motor (right) was operating for 500 ms. • When the spine fold plate moved from the closed to open position, the spine fold HP sensor (right) was already ON.
		• Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold HP sensor (R) connector loose, broken, defective.
		• Reconnect the connector. • Replace the spine fold motor (R). • Replace the spine fold HP sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-60	D	Perfect Binder: Right spine fold plate close error
		The spine fold press sensor (right) did not go ON when the right fold plate was closing, even after the spine fold motor (right) was operating for 3225 ms (or enough time elapsed for the plate to travel 56.25mm). When the spine fold plate moved from the closed to open position, the spine fold press sensor (right) was already OFF.
		• Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold press sensor (R) connector loose, broken, defective

		• Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (R). • Replace the spine fold press sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-61	D	Perfect Binder: Right spine fold plate open error
		• The spine fold press sensor (right) did not go OFF when the spine fold plate closed, even while the spine fold motor (right) was operating for 500 ms. • When the spine fold plate moved from the open to open position, the spine fold press sensor (right) was already ON.
		• Spine fold motor (R) connector loose, broken, defective • Motor defective • Spine fold press sensor (R) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold motor (R). • Replace the spine fold press sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-62	D	Perfect Binder: Spine fold HP sensor (R) error
		The spine fold HP sensor (R) and spine fold press sensor (R) went ON at the same time.
		• Spine fold HP sensor (R) connector loose, broken, defective • Sensor defective • Spine fold press sensor (R) connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine fold HP sensor (R). • Replace the spine fold press sensor (R). • Replace the slave control board. • Replace the sensor harness.

SC751-63	D	Perfect Binder: Spine fold plate open position late error
		At the start of the spine fold operation, the spine plate open sensor did not go ON, even after

		the spine plate motor operated for 900 ms (93.75 mm of feed).
		• Spine plate motor connector loose, broken, defective • Motor defective • Spine open sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine plate motor. • Replace the spine open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-64	D	Perfect Binder: Spine fold plate open position lag error
		At the start of the spine fold operation, the spine plate open sensor did not go OFF, even after the spine plate motor operated for 1350 ms (93.75 mm of feed).
		• Spine plate motor connector loose, broken, defective • Motor defective • Spine open sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine plate motor. • Replace the spine open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-65	D	Perfect Binder: Spine fold plate close position late error
		At the start of the spine fold operation, the spine plate close sensor did not go ON, even after the spine plate motor operated for 2250 ms (93.75 mm of feed).
		• Spine plate motor connector loose, broken, defective • Motor defective • Spine close sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine plate motor. • Replace the spine close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-66	D	Perfect Binder: Spine fold plate close position lag error
		At the start of the spine fold operation, the spine plate close sensor did not go OFF, even after the spine plate motor operated for 505 ms.
		• Spine plate motor connector loose, broken, defective • Motor defective • Spine close sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the spine plate motor. • Replace the spine close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC751-67	D	Perfect Binder: Front door lock error
		The front door lock release sensor did not go off, even though the door was locked.
		• Front door lock solenoid defective • Front door lock release sensor defective
		• Reconnect the connector. • Replace the front door lock solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the SOL harness. • Replace the sensor harness.

SC751-68	D	Perfect Binder: Front door lock release error
		The front door lock release sensor did not go ON, even though the door was unlocked.
		• Front door lock solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the front door lock solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the SOL harness. • Replace the sensor harness.

SC751-69	D	Perfect Binder: Front door force open error
		The front door was detected open, even though it was locked.
		• Front door switch defective • Front door solenoid defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the front door lock solenoid. • Replace the foront door switch. • Replace the master control board. • Replace the SOL harness. • Replace the SW harness.

SC751-70	D	Perfect Binder: Switchback flapper HP sensor late error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go ON, even though the switchback flapper motor operated long enough for lifting through an arc of 50 degrees.
		• Switchback flapper HP sensor defective • Switchback flapper motor defective
		• Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC751-71	D	Perfect Binder: Switchback flapper HP sensor lag error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go OFF, even though the switchback flapper motor operated long enough for lowering through an arc of 150 degrees.
		• Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective
		• Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC751-72	D	Perfect Binder: TE press lever HP sensor late error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go ON, even though the TE press lever motor operated long enough to move the lever through and arc of 30 degrees.
		• TE press lever sensor defective • TE press lever motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-73	D	Perfect Binder: TE press lever HP sensor lag error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go OFF, even though the TE press lever motor operated long enough to move the lever through and arc of 20 degrees.
		• TE press lever sensor defective • TE press lever motor defective
		• Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-74	D	Perfect Binder: Jog fence front HP sensor late error
		The front jog fence HP sensor did not go ON, even thought the jog fence motor operated long enough for 60 mm of feed.
		• Jog fence front HP sensor defective • Jog fence front motor defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-75	D	Perfect Binder: Jog fence front HP sensor lag jam
		While small-size paper was being jogged, the jog fence front HP sensor did not go OFF after the front jog fence motor operated long enough for 40 mm of feed.
		• Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-76	D	Perfect Binder: Jog fence large HP sensor late error
		While large-size paper was being jogged, the front jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.
		• Jog fence front large HP sensor defective • Front jog fence motor defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the Jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-77	D	Perfect Binder: Jog fence front large HP sensor lag error
		While large-size paper was being jogged, the jog fence front large HP sensor did not go OFF after the front jog fence motor operated long enough for 20 mm of feed.
		• Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the Jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-78	D	Perfect Binder: Jog fence front HP sensor late error
		While jogging small-size paper, the right jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		• Jog fence right HP sensor defective • Jog fence right motor defective
		• Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-79	D	Perfect Binder: Jog fence right HP sensor lag jam
		While small-size paper was being jogged, the jog fence right HP sensor did not go OFF after the right jog fence motor operated long enough for 40 mm of feed.
		• Jog fence right HP sensor defective • Jog fence right motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-80	D	Perfect Binder: Jog fence right large HP sensor late error
		While large-size paper was being jogged, the right jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.
		• Jog fence right large HP sensor defective • Jog fence right motor defective
		• Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-	D	Perfect Binder: Jog fence right large HP sensor lag error

81		While large-size paper was being jogged, the jog fence right large HP sensor did not go OFF after the right jog fence motor operated long enough for 20 mm of feed.
		• Jog fence right large HP sensor defective • Jog fence right motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the jog fence right motor. • Replace the jog fence right large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-82	D	Perfect Binder: Switchback roller HP sensor late error
		During the switchback roller lift operation, the switchback roller HP sensor did not go ON, even though the switchback roller lift motor operated long enough for lifting through an arc of 40 degrees.
		• Switchback roller HP sensor defective • Switchback lift motor defective
		• Reconnect the connector. • Replace the switchback lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-83	D	Perfect Binder: Switchback roller HP sensor lag error
		During the switchback roller lowering, the switchback roller HP sensor did not go OFF, even though the switchback roller lift motor operated long enough for lowering through an arc of 40 degrees.
		• Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the switchback lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-84	D	Perfect Binder: Stacking tray lower limit late error
		When the stacking tray was lowered, the tray lower limit sensor did not go ON after the stacking tray lift motor had operated long enough for 90 mm of lift.
		• Tray lower limit sensor defective • Stacking tray lift motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-85	D	Perfect Binder: Stacking tray low limit lag error
		When the stacking tray was raised, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 30mm of lift.
		• Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-86	D	Perfect Binder: Paper detect sensor (front) detection error
		When the stacking tray was raised, the paper detect sensor (front) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 30 mm of lift.
		• Paper detect sensor (front) defective • Stacking tray lift motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-87	D	Perfect Binder: Paper detect sensor (front) no paper detection error
		When the stacking tray was lowered, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		• Paper detect sensor (front) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-88	D	Perfect Binder: Paper detect sensor (rear) paper detection error
		When the stacking tray was raised, the paper detect sensor (rear) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 40 mm of lift.
		• Paper detect sensor (rear) defective • Stacking tray lift motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC751-89	D	Perfect Binder: Paper detect sensor (rear) no paper detection error
		When the stacking tray was lowered, the paper detect sensor (rear) did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		• Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

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SC752-10	D	Perfect Binder: Stack overflow sensor detection late error
		When the stacking tray was raised, the stack overflow sensor did not go OFF after the stacking tray lift motor had operated long enough for 70mm lowering.
		• Stack overflow sensor defective • Stacking tray lift motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-11	D	Perfect Binder: Stacking tray low limit sensor error 1
		The stacking tray low limit sensor and the stack overflow sensor went ON at the same time.
		• Tray lower limit sensor defective • Stack overflow sensor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness.

SC752-12	D	Perfect Binder: Stack overflow sensor detection position late error
		When the tray was lowered to allow removal of the booklets, the stack overflow sensor did not go OFF, even after the stacking tray lift motor had operated long enough for 40mm of lift.
		• Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-13	D	Perfect Binder: Stacking tray low limit sensor error 2
		When the stacking tray was lifted, the stack overflow sensor did not go OFF, even though the either (or both) the paper detect sensor (front) or the paper detect sensor (rear) were on while the stacking tray empty sensor was OFF.
		• Tray empty sensor defective • Paper detect sensors (front, rear, or both) defective • Stack overflow sensor defective • Tray lift motor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the tray empty sensor. • Replace the paper detect sensors (front). • Replace the paper detect sensors (rear). • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness.

SC752-14	D	Perfect Binder: Stack tray HP sensor late error
		When the tray moved to the home position, the HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		• Stack tray HP sensor defective • Stacking tray lift motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-15	D	Perfect Binder: Stack tray HP sensor lag error
		When the tray moved from the home position, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		• Stack tray HP sensor defective • Stacking tray motor defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack tray HP sensor.

		• Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-16	D	Perfect Binder: Stack weight move HP sensor late error
		When the tray moved to the home position, the stack weight move HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		• Stack weight HP sensor defective • Stack weight motor defective
		• Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor defective. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-17	D	Perfect Binder: Stack weight HP sensor lag error
		During movement away from the HP sensor, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		• Stack weight HP sensor defective • Stack weight motor defective
		• Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor defective. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-18	D	Perfect Binder: Cover guide HP sensor (left) late error
		During movement toward the HP sensor of the left cover path, the cover guide HP sensor (left) did not go ON after the cover guide motor (left) had operated long enough for 3000 ms of movement.
		• Cover guide (left) HP sensor defective • Cover guide motor (left) defective
		• Reconnect the connector. • Replace the cover guide motor (left). • Replace the cover guide (left) HP sensor. • Replace the master control board.

		• Replace the motor harness. • Replace the sensor harness.

SC752-19	D	Perfect Binder: Cover guide (left) HP sensor error
		The cover guide HP sensor (left) and cover guide (left) open sensor went ON at the same time.
		• Cover guide HP sensor (L) defective • Cover guide open sensor (left) • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the cover guide HP sensor (L). • Replace the cover guide open sensor (left). • Replace the master control board. • Replace the sensor harness.

SC752-20	D	Perfect Binder: Left cover guide release position late error
		During movement toward the left cover guide open position, the cover guide open sensor (left) did not go ON after the cover guide motor (left) had operated long enough for 3000 ms of movement.
		• Cover guide (left) open sensor defective • Cover guide motor (left) defective
		• Reconnect the connector. • Replace the cover guide motor (left). • Replace the Cover guide (left) open sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-21	D	Perfect Binder: Cover guide (right) HP sensor late error
		During movement toward the HP sensor of the right cover path, the cover guide HP sensor (right) did not go ON after the cover guide motor (right) had operated long enough for 3000 ms of movement.
		• Cover guide (right) HP sensor defective • Cover guide motor (right) defective
		• Reconnect the connector. • Replace the cover guide motor (right). • Replace the cover guide (right) HP sensor. • Replace the master control board. • Replace the motor harness.

		• Replace the sensor harness.

SC752-22	D	Perfect Binder: Cover guide (right) sensor error
		The cover guide HP sensor (right) and cover guide (right) open sensor went ON at the same time.
		• Cover guide HP sensor (R) defective • Cover guide open sensor (right) • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the cover guide (right) HP sensor. • Replace the cover guide open sensor (right). • Replace the master control board. • Replace the sensor harness.

SC752-23	D	Perfect Binder: Right cover guide release position late error
		During movement toward the right cover guide open position, the cover guide open sensor (right) did not go ON after the cover guide motor (right) had operated long enough for 3000 ms of movement.
		• Cover guide (right) HP sensor defective • Cover guide motor (right) defective
		• Reconnect the connector. • Replace the cover guide motor (right). • Replace the cover guide open sensor (right). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness.

SC752-24	D	Perfect Binder: Registration unit HP late error
		When the cover registration unit moved toward the home position, the cover horizontal registration sensor did not go ON, even after the cover horizontal registration motor had operated for 975 ms.
		• Cover horizontal registration motor defective • Cover registration HP sensor defective
		• Reconnect the connector. • Replace the cover horizontal registration motor. • Replace the cover registration HP sensor. • Replace the slave control board. • Replace the motor harness.

		• Replace the sensor harness.

SC752-25	D	Perfect Binder: Registration HP sensor lag error
		During operation of the cover registration unit , the cover horizontal registration HP sensor did not go OFF, even after the cover horizontal registration motor had operated for 975 ms.
		• Cover horizontal registration motor defective • Registration HP sensor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the cover horizontal registration motor. • Replace the registration HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-26	D	Perfect Binder: Sub grip HP sensor late error
		During the sub grip lift operation, the sub grip upper HP sensor did not go ON, even though the sub grip lift motor had operated for 4110 ms.
		• Sub grip lift motor defective • Sub grip upper HP sensor defective
		• Reconnect the connector. • Replace the sub grip lift motor. • Replace the sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-27	D	Perfect Binder: Sub grip HP sensor lag error
		During sub grip lowering, the sub grip lower HP sensor did not go OFF, even though the sub grip lift motor had operated for 240 ms.
		• Sub grip lift motor defective • Sub grip lower HP sensor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the sub grip lift motor. • Replace the sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness.

		• Replace the sensor harness.

SC752-28	D	Perfect Binder: Sub grip size HP sensor late error
		• When the sub grip unit opened horizontally, the size move HP sensor did not go ON, even after the size move motor had operated for 726 ms, or operated long enough for 108.75 mm of movement. • After the sub grip unit moved to the horizontal release position, the sub grip size HP sensor was already OFF.
		• Sub grip size motor defective • Sub grip size HP sensor defective
		• Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor defective. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-29	D	Perfect Binder: Sub grip size HP sensor lag error
		• When the sub grip unit closed horizontally, the size move HP sensor did not go OFF, even after the size move motor had operated for 500 ms, or operated long enough for 108.75 mm of movement. • After the sub grip unit moved from the horizontal close position to the open position, the size shift HP sensor was already ON.
		• Sub grip size motor defective • Sub grip size HP sensor defective • Harness connector, loose, broken, defective
		• Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor defective. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-30	D	Perfect Binder: Sub grip open position late error
		At the start of the sub grip open operation, the SG open sensor did not go ON, even after the SG motor had operated for 1500 ms.
		• SG motor drive board defective • SG open sensor defective

		• Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC752-31	D	Perfect Binder: Sub grip open position lag error
		At the start of the sub grip close operation, the SG open sensor did not go OFFN, even after the SG motor had operated for 500 ms.
		• SG motor defective • SG open sensor defective • Harness connector loose, broken, defective
		• Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Reconnect the connector.

SC752-32	D	Perfect Binder: Sub grip close position late error
		At the start of the sub grip close operation, the SG close sensor did not go ON, even after the SG motor had operated for 1500 ms.
		• SG motor defective • SG close sensor defective
		• Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-33	D	Perfect Binder: Sub grip close position lag error
		At the start of the sub grip open operation, the SG close sensor did not go OFF, even after the SG motor had operated for 500 ms.
		• SG motor defective • SG close sensor defective • Harness connector loose, broken, defective

		• Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-34	D	Perfect Binder: Sub grip sensor error
		The SG open sensor and SG close sensor went ON at the same time.
		• SG open sensor defective • SG close sensor defective • Harness connector loose, broken, defective
		• Reconnect the connector. • Replace the SG open sensor. • Replace the SG close sensor. • Replace the slave control board. • Replace the sensor harness.

SC752-35	D	Perfect Binder: Sub grip HP late error
		While moving to the sub grip home position, the sub grip HP sensor did not go ON, even though the sub grip motor had operated for 3000 ms.
		• Sub grip motor defective • Sub grip HP sensor defective
		• Reconnect the connector. • Replace the signature movement motor. • Replace the signature movement HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-36	D	Perfect Binder: Sub grip HP position lag error
		While passing the signature, the sub grip HP sensor did not go OFF, even though the sub grip motor had operated for 500 ms.
		• Sub grip motor defective • Sub grip HP sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the signature movement motor.

		• Replace the signature movement HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-37	D	Perfect Binder: Signature move main grip position late error
		While sub grip was passing the signature, the signature move MG position sensor did not go ON, even though the signature move motor had operated for 3000 ms. At the timing of the movement of the signature from sub grip to main grip, the signature was still gripped by the main grip at the rotation HP sensor.
		• Signature movement motor defective • Signature MG position sensor defective
		• Reconnect the connector. • Replace the signature movement motor. • Replace the signature MG position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-38	D	Perfect Binder: Signature move main grip position lag error
		While moving to the sub grip home position, the signature MG position sensor did not go OFF, even though the signature move motor had operated for 500 ms.
		• Signature move motor defective • Signature MG position HP sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the signature move motor. • Replace the signature MG position HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-39	D	Perfect Binder: Main grip rotate enable position sensor late error
		While moving to the sub grip home position, the MG rotate enable sensor did not go ON, even though the signature move motor had operated for 2475 ms.
		• Signature move motor defective • MG rotate enable sensor defective
		• Reconnect the connector.

		• Replace the signature move motor. • Replace the MG rotate enable sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-40	D	Perfect Binder: Main grip rotate enable position sensor lag error
		While passing the signature, the MG rotate enable sensor did not go OFF, even though the signature move motor had operated for 1450 ms.
		• Signature move motor defective • MG rotate enable sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the signature move motor. • Replace the MG rotate enable sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-41	D	Perfect Binder: Signature move HP sensor defective
		The signature move HP sensor and signature move MG position sensor went on at the same time.
		• Signature move HP sensor defective • Signature MG position HP sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the signature move HP sensor. • Replace the signature MG position HP sensor. • Replace the slave control board. • Replace the sensor harness.

SC752-42	D	Perfect Binder: Main grip HP sensor late error
		• During main grip lift, the MG HP sensor did not go ON, even though the main grip lift motor had operated for 6185 ms. • MG HP sensor did not go OFF when the main grip moved from up position to down position.
		• MG lift motor defective • MG HP sensor defective

		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-43	D	Perfect Binder: Main grip HP sensor lag error
		• During main grip lowering, the MG HP sensor did not go OFF, even though the main grip lift motor had operated for 1455 ms. • MG HP sensor did not go ON when the main grip moved from down position to up position.
		• MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-44	D	Perfect Binder: Main grip press sensors(S) position late error
		When lifting from main grip signature registration position, MG press sensor did not go ON, even though the MG lift motor had operated for 95 ms.
		• MG lift motor defective • MG press sensor defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor(S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-45	D	Perfect Binder: Main grip press sensor (S) position lag error
		When lowering to main grip signature registration position, MG press sensor (S) did not go OFF, even though the MG lift motor had operated for 5640 ms.
		• MG lift motor defective

		• MG press sensor (S) defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-46	D	Perfect Binder: Main grip press sensor (L) position late error
		When lowering cover in main grip to press position, MG press sensor (L) did not go ON, even though the MG lift motor had operated for 6185 ms.
		• MG lift motor defective • MG press sensor (L) defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-47	D	Perfect Binder: Main grip press sensor (L) position lag error
		When raising cover in main grip from press position, MG press sensor (L) did not go OFF, even though the MG lift motor had operated for 95 ms.
		• MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-48	D	Perfect Binder: Signature exit sensor late error
		When signature was passed from main grip to signature exit roller, signature exit sensor did not go ON after MG lift motor moved to signature turnover position.
		• MG lift motor defective

		• Signature exit sensor defective • Signature out of position, snagged on main grip
		• Reconnect the connector. • Replace the MG lift motor. • Replace the signature exit sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC752-49	D	Perfect Binder: Main grip HP sensor (L) late error
		During main grip lift, the MG HP sensor (L) did not go ON, even though the main grip lift motor had operated for 6185 ms.
		• MG lift motor defective • MG HP sensor (L) defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-50	D	Perfect Binder: Main grip HP sensor (L) lag error
		During main grip lowering, the MG HP sensor (L) did not go OFF, even though the main grip lift motor had operated for 1455 ms.
		• MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-51	D	Perfect Binder: Main grip rotate HP sensor late error
		• When rotating signature to main grip turnover position, MG rotate HP sensor did not go ON, even though the MG rotate motor had operated for 2250 ms.

		• There is paper present at some location other than the sub grip HP sensor, and no paper at the MG rotate HP sensor of the main grip.
		• MG rotate motor defective • MG rotate HP sensor defective
		• Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-52	D	Perfect Binder: Main grip rotate HP sensor lag error
		When rotating signature to main grip binding position, the MG rotate HP sensor did not go OFF, even though the MG rotate motor had operated for 500 ms.
		• MG rotate motor defective • MG rotate HP sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-53	D	Main grip rotate-to-binding position late error
		When rotating signature to main grip binding position, the MG rotate-to-binding position sensor did not go ON, even though the MG rotate motor had operated for 2250 ms.
		• MG rotate motor defective • MG rotate-to-binding position sensor defective
		• Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-54	D	Main grip rotate-to-binding position lag error
		When rotating signature to main grip turnover position, MG rotate-to-binding position sensor

		did not go OFF, even though the MG rotate motor had operated for 500 ms.
		• MG rotate motor defective • MG rotate-to-binding position sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG rotate motor. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-55	D	Perfect Binder: Main grip rotate sensor error
		The MG rotate HP sensor and MG rotate-to-binding position sensor went on at the same time.
		• MG rotate HP sensor defective • MG rotate-to-binding position sensor defective • Connector harness loose, broken, defective
		• Reconnect the connector. • Replace the MG rotate-to-binding position sensor. • Replace the slave control board. • Replace the sensor harness.

SC752-56	D	Perfect Binder: Main grip open sensor (R) late error
		At the start of the main grip open operation, the MG open sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (R) defective • MG open sensor (R) defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the MG open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-57	D	Perfect Binder: Main grip open sensor (R) lag error
		At the start of the main grip close operation, the MG open sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		• Main grip motor (R) defective • Main grip open sensor (R) defective

		• Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the MG open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-58	D	Perfect Binder: Main grip close sensor (R) late error
		At the start of the main grip close operation, the MG clsoe sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (R) defective • MG close sensor (R) defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the MG close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-59	D	Perfect Binder: Main grip close sensor (R) lag error
		At the start of the main grip close operation, the MG close sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		• Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the MG close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-60	D	Perfect Binder: Main grip motor (R) rotation error
		At the start of the main grip open operation, the MG encoder sensor (R) was not detected on/off, even after the MG motor (R) had operated for 200 ms.
		• Main grip motor (R) defective • Main grip encoder sensor (R) defective

		• Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-61	D	Perfect Binder: Main grip (R) sensor error
		The MG open sensor (R) and MG close sensor (R) went ON at the same time.
		• Main open sensor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the MG open sensor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the sensor harness.

SC752-62	D	Perfect Binder: Main grip open sensor (F) late error
		At the start of the main grip open operation, the MG open sensor (F) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (F) defective • MG open sensor (F) defective
		• Reconnect the connector. • Replace the main grip motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-63	D	Perfect Binder: Main grip open sensor (F) lag error
		At the start of the main grip close operation, the MG open sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		• MG motor (F) defective • MG open sensor (F) defective • Connector or harness loose, broken, defective
		• Reconnect the connector.

		• Replace the main grip motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-64	D	Perfect Binder: Main grip close sensor (F) late error
		At the start of the main grip open operation, the MG clsoe sensor (F) did not go ON, even after the MG motor (F) had operated for 3000 ms.
		• MG motor (F) defective • MG close sensor (F) defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-65	D	Perfect Binder: Main grip close sensor (F) lag error
		At the start of the main grip open operation, the MG close sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		• MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-66	D	Perfect Binder: Main grip motor (F) rotation error
		At the start of the main grip open/close operation, the MG encoder sensor (F) was not detected on/off, even after the MG motor (F) had operated for 200 ms.
		• MG motor (F) defective • MG encoder sensor (F) defective • Connector or harness loose, broken, defective
		• Reconnect the connector.

		• Replace the MG motor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-67	D	Perfect Binder: Main grip (F) sensor error
		The MG open sensor (F) and MG close sensor (F) went ON at the same time.
		• MG open sensor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective
		• Reconnect the connector. • Replace the MG open sensor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the sensor harness.

SC752-68	D	Perfect Binder: Signature exit path HP sensor late error
		During signature output roller separation, the signature exit path sensor did not go ON, even after the signature exit path motor was ON for 750 ms.
		• Signature path exit motor defective • Signature path exit HP sensor defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-69	D	Perfect Binder: Signature exit path HP sensor lag error
		During signature exit roller nip operation, the signature exit path sensor did not go OFF, even after the signature exit path motor was OFF for 300 ms.
		• Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor.

		• Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-70	D	Perfect Binder: Signature path exit press sensor late error
		During signature exit roller nip operation, the signature exit path exit press sensor did not go ON, even after the signature exit path motor operated for 300 ms.
		• Signature path exit motor defective • Signature path exit press sensor defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-71	D	Perfect Binder: Signature path exit press sensor lag error
		During signature output roller separation, the signature exit path press sensor did not go OFF, even after the signature exit path motor was ON for 300 ms.
		• Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

SC752-72	D	Perfect Binder: Leading edge sensor late error
		When signature exited at signature path exit roller, the leading edge sensor did not go ON, even after the signature exit roller motor operated long enough to feed the book 45 mm.
		• Signature exit roller motor defective • Leading edge sensor defection • Signature jam
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the leading edge sensor.

		• Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

SC752-73	D	Perfect Binder: Cover interposer tray read error
		At power on the data on the EEPROM returned a checksum error when the data were read.
		• EEPROM defective
		• Replace the EEPROM on the inserter control board. • Replace the inserter control board.

SC752-74	D	Perfect Binder: Cover interposer tray EEPROM write error
		When data were written to EEPROM, the write data and read data did not match.
		• EEPROM defective • EEPROM not installed, not installed correctly
		• Replace the EEPROM on the inserter control board. • Replace the inserter control board.

SC752-75	D	Perfect Binder: Drive switch motor error (down to up)
		The rack where the drive gear is mounted did not retract from the drive switch sensor after the drive switch motor operated for 3 s.
		• Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-76	D	Perfect Binder: Drive switch motor error (up to down) error
		The rack where the drive gear is mounted was late arriving at the drive switch sensor after the drive switch motor operated for 3 s.
		• Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective
		• Reconnect the connector.

		• Replace the drive switch motor. • Replace the drive switch sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-77	D	Perfect Binder: Upper tray low position late error
		The upper tray did not leave the lower limit sensor after the upper tray lift motor had operated for 5 s.
		• Upper tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray low limit sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-78	D	Perfect Binder: Upper tray feed position late error
		The upper tray did not arrive at the PICK sensor after the upper tray lift motor had operated for 5 s.
		• Upper tray lift motor defective • Upper tray PICK sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray PICK sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-79	D	Perfect Binder: Lower tray low position lag error
		The lower tray did not leave the low limit sensor after the lower tray lift motor had operated for 5 s.
		• Lower tray lift motor defective • Lower tray low limit sensor defective • Connector loose, broken, defective

		• Reconnect the connector. • Replace the lower tray lift motor. • Replace the lower tray low limit sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-80	D	Perfect Binder: Lower tray paper feed position late error
		The lower tray did not leave the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		• Lower tray lift motor defective • Lower tray PICK sensor defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the lower tray lift motor. • Replace the lower tray PICK sensor. • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness.

SC752-81	D	Perfect Binder: Low performance error (or service mode)
		• When error occurred, wrinkling possible where there was no affect from straight-through feed. • If jam occurred at straight-through feed, the paper may not have fed. • The error may have occurred at straight-through feed. One or more of these conditions exit.
		• Check for paper jams and then remove
		• After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-82	B	Perfect Binder: Grip HP sensor lag error
		During operation of the grip unit the HP sensor did not OFF after grip unit moved 20 mm.
		• Grip motor overloaded, defective • Grip HP sensor defective • Sensor flag defective • Connector loose, broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor.

		• Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-83	B	Perfect Binder: Grip HP sensor late error
		The HP sensor did not go ON after the grip unit released the signature and moved 76 mm.
		• Grip motor overloaded, defective • Grip HP sensor defective • Sensor flag defective • Connector loose, broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-84	B	Perfect Binder: Grip end sensor lag error
		• The grip end sensor did not go off after the grip unit released the signature and moved the prescribed distance. • The grip end sensor did not go off, even after the booklet had been released after moving 86 mm.
		• Grip motor overloaded, defective • Grip end sensor defective • Sensor flag defective • Connector loose, broken defective
		• Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-85	B	Perfect Binder: Grip end sensor late error
		• The grip end sensor did not go on, even after the booklet had been had been moved 86

		mm. • The grip end sensor did not go on within 3.7 sec. after the book was gripped.
		• Grip motor overloaded, defective • Grip end sensor defective • Sensor flag defective • Connector loose, broken defective • No data incoming from signature thickness sensor
		• Reconnect the connector. • Replace the grip motor. • Replace the grip end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-86	B	Perfect Binder: Left trimming buffer HP sensor lag error
		The left trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		• Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer HP sensor defective • Buffer full of trimmings
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the left trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-87	B	Perfect Binder: Trimming buffer HP sensor late error
		The left trimmings buffer HP sensor did not go ON within 5 sec. after the trimmings buffer moved toward the sensor.
		• Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer HP sensor defective
		• Reconnect the connector.

		• Replace the trimmings buffer motor. • Replace the left trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-88	B	Perfect Binder: Right trimming buffer HP sensor lag error
		The right trimmings buffer HP sensor did not go OFF within 3 sec. after the trimmings buffer moved away from the sensor.
		• Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Right trimmings buffer HP sensor defective
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the right trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC752-89	B	Perfect Binder: Right trimming buffer HP sensor late error
		The right trimmings buffer HP sensor did not go ON within 5 sec. after the trimmings buffer moved toward the sensor.
		• Buffer full of trimmings • Trimmings buffer motor defective • Motor connector loose, broken, defective • Right trimmings buffer HP sensor defective
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the right trimmings buffer HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-10	B	Perfect Binder: Trimmings buffer motor rotation error
		No encoder lock input received within 50 ms during operation.
		• Trimmings buffer motor defective • Motor connector loose, broken, defective • Left trimmings buffer end sensor defective • Buffer full of trimmings
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the trimming buffer encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-11	B	Perfect Binder: Thrust plate operation error
		The thrust press plate sensor did not go OFF after the trimmings buffer moved to the left for 3 sec. (blocked by jammed trimming scraps).
		• Trimmings buffer motor defective • Motor connector loose, broken, defective • Thrust plate sensor defective • Buffer full of trimmings
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-12	B	Perfect Binder: Thrust plate retraction error
		The paper press plate sensor did not go ON after the trimmings buffer moved to the right for 3 sec. (blocked by jammed trimming scraps).
		• Trimmings buffer motor defective • Motor connector loose, broken, defective • Thrust plate sensor defective • Buffer full of trimmings

		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the thrust plate sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-13	B	Perfect Binder: Book collection buffer HP sensor error
		The book collection buffer HP sensor did not go OFF within the time prescribed for release of the book in the book buffer.
		• Book buffer tray motor connector loose, broken, defective • Motor overload, defective • Book collection buffer tray HP sensor loose, broken, defective • Mechanism blocked by paper scraps
		• Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-14	B	Perfect Binder: Book collection buffer tray HP sensor late error
		The book collection buffer HP sensor did not go off even after the book buffer tray moved for 3 sec.
		• Book buffer tray motor connector loose, broken, defective • Motor overload • Motor defective • Book collection buffer tray HP sensor loose, broken, defective, Blocked by paper scraps
		• Reconnect the connector. • Replace the book buffer tray motor. • Replace the book collection buffer tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam.

		After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-15	B	Perfect Binder: Press HP sensor lag error
		During press plate operation during trimming, the edge press plate HP sensor did not OFF after it had time to move the prescribed distance.
		• Edge press plate motor connection loose, broken, defective • Motor overloaded, defective • Edge press plate HP sensor connection loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-16	B	Perfect Binder: Press plate late error
		• Edge press plate sensor did not go ON within 15 sec. of edge press release. • The edge press plate motor stopped when the edge press plate HP sensor switched ON, but after it stopped the HP sensor went OFF.
		• Edge press plate motor connection loose, broken, defective • Motor overloaded • Motor defective • Edge press plate HP sensor connection loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-17	B	Perfect Binder: Press end sensor lag jam
		After the press plate released the signature and moved the prescribed distance, the press end sensor did not go OFF.
		• Edge press plate motor connector loose, broken, defective

		• Motor overloaded, defective • Press end sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-18	B	Perfect Binder: Press end sensor late jam
		• The press end sensor did not go ON within 8 sec. after the press operation started • Operation stopped when the press end sensor went ON, but sensor went off after the operation stopped.
		• Edge press plate motor connector loose, broken, defective • Motor overloaded, defective • Press end sensor connector loose, broken, defective • Sensor defective • No data about book thickness received
		• Reconnect the connector. • Replace the edge press plate motor. • Replace the press end sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-19	B	Perfect Binder: Slide HP sensor lag error
		When the slide was raised, the slide HP sensor did not go OFF after it moved 180 mm.
		• Slide motor connection loose, broken, defective • Motor overloaded, defective • Slide HP sensor connection loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness.

		• Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-20	B	Perfect Binder: Slide HP sensor late error
		The slide HP sensor did not go ON after the slide was lowered and had enough time to move 180 mm.
		• Slide motor connection loose, broken, defective • Motor overloaded, defective • Slide HP sensor connection loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the slide motor. • Replace the slide HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-21	B	Perfect Binder: Book rotation HP sensor (right) lag error
		• The book rotation HP sensor did not go OFF after the book was rotated 60 degrees. • The book rotation HP sensor did not go OFF after the book was rotated 30 degrees.
		• Book rotation motor 1 (right) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor (right) connector loose, broken, defective
		• Reconnect the connector. • Replace the Book rotation motor 1 (right). • Replace the book rotation HP sensor (right). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-22	B	Perfect Binder: Book rotation HP sensor (right) late error
		• The book rotation HP 1 (right) sensor did not go ON after the book was rotated 440 degrees.

		• The book rotation HP 1 (right) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 1 (right) sensor did not go ON after the book was rotated 360 degrees.
		• Book rotation motor 1 (right) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor (right) connector loose, broken, defective
		• Reconnect the connector. • Replace the Book rotation motor 1 (right). • Replace the book rotation HP sensor (right). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-23	B	Perfect Binder: Book rotation HP sensor (left) lag error
		• The book rotation HP sensor 2 (right) did not go OFF after the book was rotated 50 degrees. • The book rotation HP sensor 2 (left) did not go OFF after the book was rotated 50 degrees toward the cutting position.
		• Book rotation motor 2 (left) connector, loose, broken, defective • Motor overloaded, obstructed, defective • Book rotation HP sensor 2 (left) connector loose, broken, defective
		• Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-24	B	Perfect Binder: Book rotation HP sensor (left) late error
		• The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • The book rotation HP 2 (left) sensor did not go ON after the book was rotated 400 degrees. • Before the book is rotated before cutting, the book rotation HP sensor 2 (left) did not go on, even after the book had been rotated twice the prescribed distance.
		• Book rotation motor 2 (left) connector, loose, broken, defective

		• Motor overloaded, obstructed, defective • Book rotation HP sensor 2 (left) connector loose, broken, defective
		• Reconnect the connector. • Replace the book rotation motor 2 (left). • Replace the book rotation HP sensor 2 (left). • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-25	B	Perfect Binder: Cutter front HP sensor lag error
		• At initialization, the blade did not leave the home position even after 20 mm of movement. • When the blade moved to the rear, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-26	B	Perfect Binder: Cutter rear HP sensor late error
		When the blade was moved to the rear, it did not arrive at the home position after 122 mm of movement.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-27	B	Perfect Binder: Cutter rear HP sensor lag error
		• When the blade moved from the rear HP sensor, it did not leave the rear HP position after 20 mm of movement toward the front. • When the blade moved to the front, the blade did not leave the home position after the length of time elapsed for 10 mm of movement.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-28	B	Perfect Binder: Cutter front HP sensor late error
		When the blade is moved to the front, the blade did not return to blade sensor 1 after enough time had elapsed for the blade to move 122 mm.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensors 1, 2 connectors loose, broken, defective
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1, 2. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-29	B	Perfect Binder: Cut end late error
		• During movement from front to rear during cutting, blade sensor 1 did not go ON after enough time had elapsed for the blade to move 61 mm. • During movement from front to rear during cutting, blade sensor 1 did not go ON after 10 sec. had elapsed.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensor 1 connector loose, broken defective

		• Sensor defective • Blade is dull, not cutting efficiently
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-30	B	Perfect Binder: Cut end lag error
		• During movement from rear to front during cutting, blade sensor 1 did not go OFF after enough time had elapsed for the blade to move 61 mm. • During movement from rear to front during cutting, blade sensor 1 did not go OFF after 10 sec. had elapsed.
		• Cutter motor connector loose, broken, defective • Motor overloaded, defective • Blade sensor 1 connector loose, broken defective • Sensor defective • Blade is dull, not cutting efficiently
		• Reconnect the connector. • Replace the cutter motor. • Replace the blade sensor 1. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the blade. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-31	B	Perfect Binder: Book lift tray HP sensor lag error
		During tray lifting, the book tray lift sensor did not go off after 10 sec. had elapsed. The book lift sensor did not go off after enough time had elapsed to move the tray more than 10 mm.
		• Book lift tray motor connector loose, broken, defective • Motor overloaded, defective • Book lift tray HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector.

		• Replace book lift tray motor. • Replace book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-32	B	Perfect Binder: Book lift tray HP sensor late error
		While the book lift tray was being lowered, the book lift tray HP sensor did not go on after 1.5 sec. had elapsed.
		• Book lift tray motor connector loose, broken, defective • Motor overloaded, defective • Book lift tray HP sensor connector loose, broken, defective • Sensor defective • Book jam
		• Reconnect the connector. • Replace book lift tray motor. • Replace book lift tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-33	B	Perfect Binder: Book lift tray motor rotation error
		No encoder lock input received within 50 ms during operation.
		• Book lift motor connector loose, broken, defective • Motor defective • Book lift tray lock sensor connector loose, broken, defective • Sensor defective • Edge press plate, or mechanism jammed by a book
		• Reconnect the connector. • Replace book lift tray motor. • Replace the book lift tray encoder sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the edge press plate, or mechanism jammed by a book After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-34	B	Perfect Binder: Book output tray HP sensor lag error
		• The book output tray HP sensor did not go OFF within 1 sec. after it went ON. • The book output tray HP sensor did not go OFF after enough time had elapsed for the tray to move more than 10 mm.
		• Book output belt motor connector loose, broken, defective • Motor overloaded, defective • Book output tray HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-35	B	Perfect Binder: Book out put tray HP sensor late error
		The book output tray HP sensor did not go ON within 3.5 sec. after it went OFF.
		• Book output belt motor connector loose, broken, defective • Motor overloaded, defective • Book output tray HP sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the book output belt motor. • Replace the book output tray HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-36	B	Perfect Binder: Blade cradle HP sensor lag error
		While the blade was retracting to the home position, the blade cradle sensor did not go OFF after enough time had elapsed for the blade to move 12 mm.
		• Blade cradle motor connector loose, broken, defective • Motor overloaded, defective • Blade cradle HP sensor connector loose, broken, defective • Sensor defective

		• Reconnect the connector. • Replace the blade cradle motor. • Remove the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-37	B	Perfect Binder: Blade cradle HP sensor late error
		While the bladed was being lowered, the blade cradle HP sensor did not go ON after enough time had elapsed for 21 mm of movement.
		• Blade cradle motor connector loose, broken, defective • Motor defective • Blade cradle HP sensor connector loose, broken, defective • Sensor defective • Blade cradle or cutter physically jammed
		• Reconnect the connector. • Replace the blade cradle motor. • Replace the blade cradle HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the Blade cradle or cutter physically jammed After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-38	B	Perfect Binder: Book door lock error
		The book door sensor was detected OFF with the book door locked.
		• Book door lock solenoid connector loose, broken, defective • Solenoid defective
		• Reconnect the connector. • Replace the book door lock solenoid. • Replace the book door open sensor. • Replace the cutter control board. • Replace the SOL harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-39	B	Perfect Binder: Glue heater error

		The glue heater thermistor registered more that 200 degrees for more than 1 sec.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-40	B	Electrical short in the gluing unit
		A temperature of less than 5 degrees was detected for 1 sec. or more than 10 sec. after power on.) However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-41	B	Perfect Binder: Glue heater startup error 1
		Glue temperature thermistor did not detect a temperature of 140 degrees within 200 sec. after it detected a temperature over 50 degrees.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-42	B	Perfect Binder: Low temperature detection error
		After adjustment of the glue temperature, the glue temperature thermistor detected a temperature lower than 135 degrees for more than 10 sec.
		• Glue temperature thermistor defective • Glue heater defective • Slave board defective

		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-43	B	Perfect Binder: High temperature detected in unit
		Thermistor detected abnormal high temperature.
		• Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-44	B	Perfect Binder: Thermostat error
		Abnormal thermostat detection.
		• Thermostat defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-45	B	Perfect Binder: Glue level thermistor error 1
		After glue warm-up completed, the glue level thermistor detected a temperature of over 170 degrees for more than10 sec.
		• Glue level thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-46	B	Perfect Binder: Glue level thermistor error 2
		After glue warm-up completed, the glue level thermistor detected a temperature less than 100

		degrees for more than10 sec.
		• Glue level thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-47	B	Perfect Binder: Thermistor disconnect error
		The glue abnormal temperature thermistor detected a temperature of less than 5 degrees for for 1 sec., or more than 10 sec. after power on. However, if the thermistor detected less than 100 degrees after measuring temperature at start up, temperature is checked again after 50 sec.
		• Glue abnormal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-48	B	Perfect Binder: Glue level thermistor disconnect error
		• The AD value of the glue level thermistor was above 991 LSB for 10 sec. • Temperature adjustment mode stops if glue level sensor detects the temperature remaining below 99 degrees for more than 10 sec. • Because temperature adjustment began in another mode, the adjustment stopped when the error was detected and error detection stopped. • Error detection will not operate at temperature adjustment stop.
		• Glue level thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-49	B	Perfect Binder: Internal temperature thermistor error
		The A/D value of the internal temperature thermostat was detected above 80 degrees for 1 sec.

		• Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-50	B	Perfect Binder: Internal temperature thermostat disconnect error
		The A/D value of the internal temperature thermostat was detected below -20 degrees for 1 sec.
		• Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-51	B	Perfect Binder: Internal temperature thermistor error
		Temperature was detected above 10°C three consecutive times (sampled every sec. for 1 min.).
		• Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-52	B	Perfect Binder: Glue heater startup error 2
		The warm-up temperature was above the +-5°C target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		• Internal temperature thermistor defective • Glue heater defective • Slave board defective

		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-53	B	Perfect Binder: Glue heater startup error 3
		The warm-up temperature was below the +-5C target for the glue vat temperature. (Not detected within 100 sec. after machine warm-up.)
		• Internal temperature thermistor defective • Glue heater defective • Slave board defective
		• Reconnect the connector. • Replace the internal temperature thermistor. • Replace the gluing unit.. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-54	B	Perfect Binder: Glue heater startup error 4
		At the end of temperature adjustment at power on, warm-up did not complete within 500 sec. The glue vat temperature did not reach the warm-up temperature within 500 sec.
		• Glue heater connector loose, broken, defective • Heater defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-55	B	Perfect Binder: Ambient temperature error
		Ambient temperature is not within the operational range: It was between 0°C and -20C.
		• Internal temperature thermistor connector loose, broken, defective • Thermistor defective • Slave board defective
		• Reconnect the connector. • Check the room temperature (0°C or higher).

		• Replace the internal temperature thermistor. • Replace the slave board. • Replace the thermistor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-56	B	Perfect Binder: Glue low limit late error
		The level of the glue in the vat was detected below the low limit 4 times.
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-57	B	Perfect Binder: Glue high limit late error
		Without glue application, and with the glue level above the low limit, the glue level thermistor did not detect the level of the glue at the high limit, even after 12 glue pellets were supplied.
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Slave board defective
		• Reconnect the connector. • Replace the gluing unit.. • Replace the slave board. • Check the remaining amount of glue pellets. • Remove the clogged glue. • Check the gluing unit. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-58	B	Perfect Binder: Glue lowering level error
		Without glue supply, the level of the glue detected by the glue lever thermistor did not lower away from the high limit level, even after application of 25.42 g
		• Glue clogged, glue supply defective • Glue level thermistor connector loose, broken, defective • Thermistor defective

		• Slave board defective • Glue application defective
		• Reconnect the connector. • Adjust the amount of glue application. • Replace the gluing unit.. • Replace the slave board. • Check the gluing unit. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-59	B	Perfect Binder: Glue level thermistor adjustment value error
		• Temperature detected by glue level thermistor out of range, 128°C+-14°C for low limit. • Temperature detected by glue level thermistor out of range, 142°C+-10°C for high limit. • The glue level thermistor adjustment value for low limit is larger than the high level. • Glue level thermistor target value is 5°C off the values of the low and high limit.
		• Master control board EEPROM data error • Glue level thermistor connector loose, broken, defective • Thermistor defective • Slave board disconnected, defective
		• Reconnect the connector. • Re-set the value for glue level thermistor. • Replace the gluing unit.. • Replace the master control board EEPROM. • Replace the slave board. • Replace the master control board. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-60	B	Perfect Binder: Timing sensor adjustment high value error
		The timing sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after timing sensor D/A output value was higher than 3.5V.
		• Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Clean the sensor. • Replace the timing sensor. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-61	B	Perfect Binder: Cover registration sensor adjustment high value error
		The cover registration sensor A/D input value was lower than 3.0 to 3.5V, the A/D input value did not go higher than 3.0 to 3.5V, even after cover registration sensor output value output was higher than 3.5V.
		• Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Clean the sensor. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-62	B	Perfect Binder: Cover horizontal registration sensor (S) adjustment high value error
		The cover horizontal registration sensor (S) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor (S) D/A output value output was higher than 3.7V.
		• Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-63	B	Perfect Binder: Cover horizontal registration sensor (L) adjustment high value error
		The cover horizontal registration sensor (L) A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover horizontal registration sensor (L) D/A output value output was higher than 3.7V.
		• Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Clean the sensor. • Replace the cover horizontal registration sensor (L)

		• Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-64	B	Perfect Binder: Signature exit sensor adjustment high value error
		The signature exit sensor A/D input value was lower than 3.2 to 3.54V, the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor output value output was higher than 3.7V.
		• Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-65	B	Perfect Binder: LE detect sensor adjustment high value error
		The leading edge detect sensor A/D input value was lower than 3.2 to 3.54V, and the A/D input value did not go higher than 3.2 to 3.54V, even after cover registration sensor A/D output value output was higher than 3.7V.
		• LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-66	B	Perfect Binder: Entrance path sensor adjustment high value error
		When the entrance path sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		• Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the entrance path sensor.

		• Replace the cutter control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-67	B	Perfect Binder: Book registration sensor adjustment high value error
		When the book registration sensor was adjusted, the sensor A/D input was less than 2.58 V, even after the sensor D/A output was more than 3.3V.
		• Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-68	B	Perfect Binder: Timing sensor adjustment low value error
		The timing sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after timing sensor D/A output value was lower than 0.1V.
		• Timing sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Replace the timing sensor. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-69	B	Perfect Binder: Cover registration sensor adjustment low value error
		The cover registration sensor A/D input value was higher than 3.0 to 3.5V, the A/D input value did not enter the range 3.0 to 3.5V, even after cover registration sensor D/A output value output was lowered 0.1V.
		• Cover registration sensor connector loose, broken, defective • Sensor defective • Master control board disconnected, defective
		• Reconnect the connector. • Replace the cover registration sensor. • Replace the master control board. • Replace the sensor harness.

		After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-70	B	Perfect Binder: Cover horizontal registration sensor (S) adjustment low value error
		The cover horizontal registration sensor (S) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		• Cover horizontal registration sensor (S) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Replace the cver horizontal registration sensor (S). • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-71	B	Perfect Binder: Cover horizontal registration sensor (L) adjustment low value error
		The cover horizontal registration sensor (L) A/D input value was higher than 3.2 to 3.54V, and the A/D input value did enter the range 3.2 to 3.54V, even sensor D/A output value output was lowered 0.04V.
		• Cover horizontal registration sensor (L) connector loose, broken, defective • Sensor defective • Slave control board defective
		• Reconnect the connector. • Replace the cover horizontal registration sensor (L). • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-72	B	Perfect Binder: Signature exit sensor adjustment low value error
		The signature exit sensor A/D input value was higher than 3.2 to 3.54V, the A/D input value did not enter the range 3.2 to 3.54V, even after cover registration sensor output value output was raised 0.04V.
		• Signature exit sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the signature exit sensor. • Replace the slave control board.

		• Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-73	B	Perfect Binder: LE detect sensor adjustment low value error
		The LE detect sensor A/D input value was higher than 3.2 to 3.54V, and the sensor A/D input value did not enter the range 3.2 to 3.54V, even after the sensor output value was raised 0.04V.
		• LE detect sensor connector loose, broken, defective • Sensor defective • Slave control board disconnected, defective
		• Reconnect the connector. • Replace the LE detect sensor. • Replace the slave control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-74	B	Perfect Binder: Entrance path sensor adjustment low value error
		When the entrance path sensor was adjusted, the sensor A/D input was higher than 2.58 V, even after the sensor D/A output was lowered to 0V.
		• Entrance path sensor connector loose, broken, defective • Sensor defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the entrance path sensor. • Replace the cutter control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-75	B	Perfect Binder: Book registration sensor adjustment low value error
		When the book registration sensor was adjusted, the sensor A/D input was more than 2.58 V, even after the sensor D/A output was less than 0V.
		• Book registration sensor connector loose, broken, defective • Cutter control board disconnected, defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-76	B	Perfect Binder: LE detect sensor late error
		The stack was late for gluing to the cover because there was no stack transport end sensor from the slave control board and there was no signal that the LE detect sensor had signaled to arrival of the stack.
		• LE detect sensor connector loose, broken, defective • Sensor defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the LE detect sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Replace the harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-77	B	Perfect Binder: Trim unit entrance sensor late error
		The stack was late arriving because the trim unit entrance sensor did not go ON even after a transport end signal was received.
		• Signature jam occurred between the the cover transport unit and signature rotation unit. • Trim unit entrance sensor defective • Signature exit roller motor defective • Slave control board defective • Cutter control board defective • Connector loose, broken, defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the trim unit entrance sensor. • Replace the slave control board. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753- 78	B	Perfect Binder: Book registration sensor late error
		At the start of cutter registration, the book registration did not go ON.
		• Signature jam occurred in the signature rotation unit.

		• Book registration sensor defective • Connector loose, broken, defective • Cutter control board defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-79	B	Perfect Binder: Signature exit sensor lag error
		When the power was turned on, the cover path was closed and the signature exit sensor detected paper present, but the LE detect sensor had detected no paper present.
		• Signature exit sensor defective • Signature jam occurred in the cover transport unit when the power was turned on. • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature exit sensor. • Replace the leading edge sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-80	B	Perfect Binder: Entrance path sensor late error
		During the automatic exit operation, the entrance path sensor could not detect any paper within 6860 ms after gluing and stack transport started.
		• Signature jam occurred between the cover transport unit and signature rotation unit during the automatic exit operation. • Trim unit entrance sensor defective • Stack transport roller defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the trim unit entrance sensor. • Replace the slave control board. • Replace the motor harness.

		• Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-81	B	Perfect Binder: Main grip late error
		There was no stack received from the sub grip unit; the main grip signature sensor detected no stack.
		• Signature jam occurred in the sub grip unit. • Signature move motor defective • Main grip signature sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature move motor. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-82	B	Perfect Binder: Trim unit entrance sensor lag error
		At the end of initialization at power on, the entrance path sensor went ON.
		• Signature jam occurred in the trim unit. • Trim unit entrance sensor defective • Connector loose, broken, defective • Cutter control board defective
		• Reconnect the connector. • Replace the trim unit entrance sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-83	B	Perfect Binder: Book registration sensor lag error
		• Book registration sensor detected ON at the end of initialization after power on. • Book registration sensor detected ON at the end of automatic exit operation. • Book registration sensor detected ON at the end of book binding and automatic exit.

		• Book registration sensor could detect no stack at fore edge cutting. • Book registration sensor detected ON at end of grip operation during book binding.
		• Signature jam occurred in the book lift tray • Book registration sensor defective • Connector loose, broken, defective • Cutter control board defective
		• Reconnect the connector. • Replace the book registration sensor. • Replace the cutter control board. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-84	B	Perfect Binder: Book arrival sensor lag error
		Not detected
		• Sensor defective • Book failed to reach output tray • Fore edge trim scraps fell into output area
		• Not detected

SC753-85	B	Perfect Binder: Trimming jam error
		• The edge press plate HP sensor remained OFF after disposing of the trimmed paper and the trimmings buffer was moved 19 mm to the right. • After the trimmings buffer door was opened and closed to check for paper scraps, the machine detected paper scrap jam 3 times (and issued the alarm after the 2nd detection).
		• There are scraps in the trimmings buffer and at the edge press plate. • Edge press plate HP sensor defective • Trimmings buffer motor defective • Connector loose, broken, defective • Cutter control board defective
		• Reconnect the connector. • Replace the trimmings buffer motor. • Replace the edge press plate HP sensor. • Replace the cutter control board. • Replace the motor harness. • Replace the sensor harness. • Clear the trimming jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-86	B	Perfect Binder: Sub grip unit lag error
		When the sub grip unit was checked for the presence of paper, no paper could be detected even after opening the sub grip unit.
		• Paper remains in the sub grip unit. • Sub grip signature sensor defective • Sub gripper motor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the sub gripper motor. • Replace the sub grip signature sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-87	B	Perfect Binder: Main grip unit lag error
		Although cutter retracted, the absence of paper could not be detected.
		• Paper remains in the main grip unit • Main grip signature sensor defective • Connector loose, broken, defective • Slave control board defective • Signature exit roller motor defective
		• Reconnect the connector. • Replace the main grip signature sensor. • Replace the slave control board. • Replace the sensor harness. • Clear the signature jam. • Replace the signature exit roller motor. • Replace the motor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-88	B	Perfect Binder: Signature thickness sensor minimum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the minimum value (0 mm) was smaller than the A/D value of -30.
		• Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective

		• Master control board defective • EEPROM on the master board defective
		• Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC753-89	B	Perfect Binder: Signature thickness sensor maximum value error
		When the result of the signature thickness detection (A/D value) was adjusted, the maximum value (25mm) was smaller than the A/D value.
		• Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective • Master control board defective • EEPROM on the master board defective
		• Reconnect the connector. • Specify the signature thickness again. • Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC700

Trimmer Unit

SC735-10	B	Trimming Blade Motor Error
		• After start of trimming operation, the home position is not detected within the time limit. (The first time: SC) • Also, when a JAM signal is sent due to overload during the trimming operation, the home position is not detected within the time limit after reverse rotation operation starts. (Regardless of whether or not recovery is successful, the first time: SC)
		• Trimming Blade Motor defective • Connecter disconnected • Overload • Trimming Blade HP Sensor defective • Main Board defective
		• Reconnect the connector. • Replace the connector. • Replace the Trimming Blade HP Sensor. • Replace the Trimming Blade Motor. • Replace the Main Board.

SC735-11	B	Press Roller Motor Error
		• When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		• Press Roller Motor defective • Connecter disconnected • Press Roller HP Sensor defective • Main Board defective
		• Reconnect the connector. • Replace the connector. • Replace the Press Roller HP Sensor. • Replace the Press Roller Motor. • Replace the Main Board.

SC735-12	B	Cut Position Motor Error
		• When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC)

		• When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		• Cut Position Motor defective • Connecter disconnected • Stopper Assembly HP Sensor defective • Main Board defective
		• Reconnect the connector. • Replace the connector. • Replace the Stopper Assembly HP Sensor • Replace the Cut Position Motor. • Replace the Main Board.

SC735-13	B	Press Stopper Motor Error
		• When moving to the home position, home position was not detected within specified time. (The first time: jam display, the second time: SC) • When moving from the home position, home position was still detected after specified specified time. (The first time: jam display, the second time: SC)
		• Press Stopper Motor defective • Connecter disconnected • Press Stopper HP Sensor defective • Main Board defective
		• Reconnect the connector. • Replace the connector. • Replace the Press Stopper HP Sensor • Replace the Press Stopper Motor. • Replace the Main Board.

Ring Binder

SC756-01	D	Ring Binder: Downstream device communication error
		The ring binder did not detect the downstream device.
		• The interface cable connector disconnected/broken • Board on the ring binder or a downstream device defective
		• Replace the interface cable • Reconnect the connector • Replace the board on the ring binder or a downstream device

SC756-02	D	Ring Binder: Device connection order error
		The ring binder did not detect the fixed device connection information command at the initial

		communication.
		• The interface cable connector disconnected/broken • Board on the ring binder or a downstream device defective
		• Replace the interface cable • Reconnect the connector • Replace the board on the ring binder or a downstream device

SC756-10	D	Ring Binder: Junction gate abnormal
		• Junction gate failed to move out of the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the junction gate within the prescribed time (600 pulses). The first occurrence triggers a jam, the second an SC code.
		• Path JG motor (M201) defective • Motor overloaded • Connector loose, broken, defective • JG HP sensor (S203) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-20	B	Ring Binder: Pre-punch side fence HP error
		• Thee sensor failed to detect that the component had moved out of the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (600 pulses). The first occurrence triggers a jam, the second an SC code.
		• Side jogger motor (M302) defective • Motor overloaded • Connector loose, broken, defective • Pre-punch jogger HP sensor (S302) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-21	B	Ring Binder: Pre-punch jogger roller HP sensor
		• The sensor failed to detect that the component had moved out of the home position within the prescribed time (36 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (22 pulses). The first occurrence triggers a jam, the second an SC code.
		• Jog roller lift motor (M305) defective • Motor overloaded • Connector loose, broken, defective • Jog roller lift HP sensor defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-22	B	Ring Binder: Ring binder punch defective
		• Punch unit was not detected at unit initialization. • The HP sensor was still detected within 30 ms after the DC motor switched ON and made one revolution. • An encoder pulse was not detected within 5 ms after the DC motor switched ON and made one revolution at home position. • The HP sensor was not detected within 400 ms after the DC motor switched ON.
		• Punch motor (M304) defective • Connector loose, broken, defective • Motor overload • Punch HP sensor (S302) defective • Punch encoder sensor defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-30	B	Ring Binder: Paddle roller HP error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.

		• Paddle roller lift motor (M603) defective • Motor overloaded • Connector loose, broken, defective • Paddle roller HP sensor defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-31	B	Ring Binder: Jogger fence 1 error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Jog fence 1 motor (M604) defective • Connector loose, broken, defective • Motor overload • Side fence 1 HP sensor (S601) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-32	B	Ring Binder: Jogger fence 2 error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Jog fence 2 motor (M606) defective • Connector loose, broken, defective • Motor overload • Side fence 2 HP sensor (S611) defective
		• Replace the motor • Replace the sensor • Replace the connector

		• Reconnect the connector • Replace the board

SC756-33	B	Ring Binder: Stack tamper HP error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Stack tamper motor (M607) defective • Motor overloaded • Connector loose, broken, defective • Stack tamper HP sensor (S612) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-34	B	Ring Binder: Pre-bind jogger clamp HP error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Spine clamp motor (M605) defective • Motor overloaded • Connector loose, broken, defective • HP sensor (S603) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-40	B	Ring Binder: Binder unit run-out error
		• When moving to the home position, the sensor could not detect the component at the home

		position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Run-out press roller motor (M610) defective • Motor overloaded • Connector loose, broken, defective • Run-out roller HP sensor (S614) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-41	B	Ring Binder: Clamp thickness error
		• During jogging a 100-sheet stack was detected and the 50-sheet detect sensor (S606) went OFF. (1st detection signals a jam, 2nd detection issues this SC code.) • When the clamp moved to the open release position at initialization, the 50-sheet detect sensor went OFF.
		• 50-sheet detect sensor (S606) defective • Connector loose, broken, defective
		• Replace the connector • Reconnect the connector • Replace the board

SC756-42	B	Ring Binder: Alignment pin error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Alignment pin motor (M602) defective • Motor overloaded • Connector loose, broken, defective • Alignment pin HP sensor (S604) defective
		• Replace the motor • Replace the sensor

		• Replace the connector • Reconnect the connector • Replace the board

SC756-43	B	Ring Binder: Pre-bind jogger shutter error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• Shutter motor (M608) defective • Motor overloaded • Connector loose, broken, defective • Shutter HP sensor 1 (S605) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-44	B	Ring Binder: 50/100 clamp adjustment error
		• When moving to the home position, the sensor could not detect the component at the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code. • The sensor failed to detect that the component had moved out of the home position within the prescribed time (400 ms). The first occurrence triggers a jam, the second an SC code.
		• 50/100 clamp adjustment motor (M702) defective • Connector loose, broken, defective • Motor overload • Ring switch HP sensor (S706) defective • Ring switch timing sensor (S707) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-45	B	Ring Binder: Timing sensor interval error
		At initialization or ring binding, the ON or OFF time of the timing sensor exceeded 1500 ms (1st detection signals a jam, 2nd detection issues this SC code)
		• Clamp unit motor (M701) defective • Connector loose, broken, defective • Motor overload • Bind timing sensor (S702) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-46	B	Ring Binder: Clamp unit HP error
		• At initialization or during ring binding, the unit did not arrive at home position within the prescribed time (1500 ms) (1st detection triggers a jam alert, 2nd detection issues this SC code). • The sensor failed to detect that the component had moved out of the home position within the prescribed time (1500 ms) (1st detection triggers a jam alert, 2nd detection issues this SC code).
		• Clamp unit motor (M701) defective • Connector loose, broken, defective • Motor overload • Clamp unit HP sensor (S701) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-47	B	Ring Binder: Spine alignment error
		During alignment a home position timeout (400 ms) occurred twice during movement of the tip of the alignment pin (2nd attempt was within an additional 400 ms).
		• Alignment pin motor (M602) defective • Connector loose, broken, defective • Alignment pin HP sensor (S604) defective • Alignment pin up sensor (S610) defective

		• Jog mechanism defective • Punch defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-48	B	Ring Binder: Binder unit not detected
		Binder unit was not detected at initialization before operation.
		• Connector loose, broken, defective • Drawer connector defective
		• Replace the connector • Reconnect the connector • Replace the board

SC756-50	B	Ring Binder: Output belt rotation error
		• The sensor failed to detect that the component had moved out of the home position within the prescribed time (800 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (2300 pulses). The first occurrence triggers a jam, the second an SC code.
		• Output belt rotation motor (M403) defective • Connector loose, broken, defective • Motor overload • Output belt rotation HP sensor (S403) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-51	B	Ring Binder: Output belt 1 HP error
		• The sensor failed to detect that the component had moved out of the home position within the prescribed time (200 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (2125 pulses). The first occurrence triggers a jam, the second an SC code.

		• Output belt 1 motor (M401) defective • Connector loose, broken, defective • Motor overload • Output belt 1 HP sensor (S401) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-52	B	Ring Binder: Output belt 2 HP error
		• The sensor failed to detect that the component had moved out of the home position within the prescribed time (200 pulses). The first occurrence triggers a jam, the second an SC code. • The sensor could not detect the component within the prescribed time (3130 pulses). The first occurrence triggers a jam, the second an SC code.
		• Output belt 2 motor (M402) defective • Connector loose, broken, defective • Motor overload • Output belt 2 HP sensor (S402) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-60	B	Ring Binder: Stack height error
		The height of the stack increases until the stack height sensor goes ON. The sensor did not go ON within 6 sec. after the motor went ON (1st detection triggers a jam alert, 2nd detection issues this SC code).
		• Stacker motor (M501) defective • Connector loose, broken, defective • Motor overload • Stack height sensor 1 (S502) defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

SC756-61	B	Ring Binder: Stacker error
		• At the start of stacking, or the end of the operation, even though the unit signaled stack full (stack up/down sensors went ON together), no stack was detected. • When stacking stopped, no stack was detected within 2 sec., even after the stack full alert. (1st detection triggers a jam, 2nd detection issues this SC code.)
		• Stacker HP sensor (S501) defective • Stack height sensor 1 (S502) defective • Stacker document sensor (S504) defective • Connector, loose, broken, defective
		• Replace the motor • Replace the sensor • Replace the connector • Reconnect the connector • Replace the board

RPIP Interface Box

SC790-10	D	EEPROM download error
		CRC error occured 4 times when downloading data from EEPROM.
		• Last parameter writing was failed. • Board on the RPIP Interface Box defective
		1. Turn power off/on. 2. If the problem was not solved in Step 1, execute parameter writing again. 3. If the problem was not solved in Step 2, replace the board on the RPIP Interface Box.

Vacuum Feed LCIT

SC780-03	B	LCT1: Protection device break error
		The fuse blown signal “H (error)” of the fuse on the PSU/PCB in the LCT1 is detected.
		• Connector on the harness between PSU and PCB on LCT1 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		• Reconnect the connector on the harness between PSU and PCB on LCT1. • Replace the harness • Replace the PSU. • Replace the PCB. • Replace the harness/actuator.

SC780-05	B	LCT1: PSU Cooling Fan 1 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 1 on the LCT1 is ON.
		• PSU Cooling Fan 1 on the LCT1 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		• Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT1. • Replace the harness • Replace the PSU. • Replace the PCB.

SC780-06	B	LCT1: PSU Cooling Fan 2 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 2 on the LCT1 is ON.
		• PSU Cooling Fan 2 on the LCT1 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		• Reconnect the connector. • Replace the PSU Cooling Fan 2 on the LCT1. • Replace the harness • Replace the PSU. • Replace the PCB.

SC780-07	B	LCT1: Bridge Unit Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the cooling fan on the bridge unit of LCT1 is ON.
		• Cooling fan defective • Connector disconnected • Harness broken • PCB on the LCT1 defective
		• Reconnect the connector. • Replace the cooling fan. • Replace the harness • Replace the PCB on the LCT1.

SC780-08	B	Vacuum Feed LCT1: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT1 is ON.
		• Transport Motor Cooling Fan on the LCT1 defective • Connector disconnected • Harness broken • PCB defective
		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT1. • Replace the harness • Replace the PCB.

SC780-09	B	Vacuum Feed LCT1: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT1 is ON.
		• Transport Motor Cooling Fan on the LCT1 defective • Connector disconnected • Harness broken • PCB defective
		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT1. • Replace the harness • Replace the PCB.

SC780-50	D	LCT1: Connection configuration error (LCT not connected)
		LCT2 or LCT3 is detected while LCT1 is not installed.
		• The interface harness on the LCT1 broken • PCB on the LCT1 defective
		• Replace the interface harness on the LCT1 • Replace the PCB on the LCT1

SC780-51	D	LCT1: Connection configuration error (Bridge unit connection error)
		Without LCT2, the bridge unit is connected to LCT1.
		• The bridge unit is connected to LCT1 in single LCT configuration. • The interface harness on the LCT2 disconnected • Power cord of the LCT2 disconnected • PSU on the LCT2 defective
		• Remove the bridge unit from the LCT1.

		• Reconnect the interface harness connector on the LCT2. • Plug the power cord of the LCT2. • Replace the PSU on the LCT2.

SC781-03	B	LCT2: Protection device break error
		The fuse blown signal “H (error)” of the fuse on the PSU/PCB in the LCT2 is detected.
		• Connector on the harness between PSU and PCB on LCT2 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		• Reconnect the connector on the harness between PSU and PCB on LCT2. • Replace the harness • Replace the PSU. • Replace the PCB. • Replace the harness/actuator.

SC781-05	B	LCT2: PSU Cooling Fan 1 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 1 on the LCT2 is ON.
		• PSU Cooling Fan 1 on the LCT2 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		• Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT2. • Replace the harness • Replace the PSU. • Replace the PCB.

SC781-06	B	LCT2: PSU Cooling Fan 2 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 2 on the LCT2 is ON.
		• PSU Cooling Fan 2 on the LCT2 defective • Connector disconnected • Harness broken • PSU defective • PCB defective
		• Reconnect the connector.

		• Replace the PSU Cooling Fan 1 on the LCT2. • Replace the harness • Replace the PSU. • Replace the PCB

SC781-07	B	LCT2: Bridge Unit Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the cooling fan on the bridge unit of LCT2 is ON.
		• Cooling fan defective • Connector disconnected • Harness broken • PCB on the LCT2 defective
		• Reconnect the connector. • Replace the cooling fan. • Replace the harness • Replace the PCB on the LCT2.

SC781-08	B	Vacuum Feed LCT2: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT2 is ON.
		• Transport Motor Cooling Fan on the LCT2 defective • Connector disconnected • Harness broken • PCB defective
		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT2. • Replace the harness • Replace the PCB.

SC781-09	B	Vacuum Feed LCT2: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT2 is ON.
		• Transport Motor Cooling Fan on the LCT2 defective • Connector disconnected • Harness broken • PCB defective
		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT2.

		• Replace the harness • Replace the PCB.

SC781-50	D	LCT2: Connection configuration error (LCT not connected)
		LCT3 is detected while LCT2 is not installed.
		• The interface harness on the LCT1 broken • The interface harness on the LCT2 broken • PCB on the LCT1 defective • PCB on the LCT2 defective
		• Replace the interface harness on the LCT1 • Replace the interface harness on the LCT2 • Replace the PCB on the LCT1 • Replace the PCB on the LCT2

SC781-51	D	LCT2: Connection configuration error (Bridge unit connection error)
		Without LCT3, the bridge unit is connected to LCT2.
		• The bridge unit is connected to LCT2 in double LCT configuration. • The interface harness on the LCT3 disconnected • Power cord of the LCT3 disconnected • PSU on the LCT3 defective
		• Remove the bridge unit from the LCT2. • Reconnect the interface harness connector on the LCT3. • Plug the power cord of the LCT3. • Replace the PSU on the LCT3.

SC781-52	D	LCT2: Connection configuration error (Multi bypass tray connection error)
		The multi bypass tray is connected to LCT2.
		The multi bypass tray is connected to LCT2.
		Remove the multi bypass tray from the LCT2.

SC782-03	B	LCT3: Protection device break error
		The fuse blown signal “H (error)” of the fuse on the PSU/PCB in the LCT3 is detected.
		• Connector on the harness between PSU and PCB on LCT3 disconnected • Harness broken • PSU defective • PCB defective • Poor grounding of the 24V line
		• Reconnect the connector on the harness between PSU and PCB on LCT3.

		• Replace the harness • Replace the PSU. • Replace the PCB • Replace the harness/actuator

SC782-05	B	LCT3: PSU Cooling Fan 1 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 1 on the LCT3 is ON.
		• PSU Cooling Fan 1 on the LCT3 defective • Connector disconnected • Harness broken • PCB defective • PSU1 defective
		• Reconnect the connector. • Replace the PSU Cooling Fan 1 on the LCT3. • Replace the harness • Replace the PCB • Replace the PSU2

SC782-06	B	LCT3: PSU Cooling Fan 2 error
		Cooling fan alarm “H (error)” is detected while the PSU Cooling Fan 2 on the LCT3 is ON.
		• PSU Cooling Fan 2 on the LCT3 defective • Connector disconnected • Harness broken • PCB defective • PSU2 defective
		• Reconnect the connector. • Replace the PSU Cooling Fan 2 on the LCT3. • Replace the harness • Replace the PCB. • Replace the PSU2.

SC782-08	B	LCT3: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT3 is ON.
		• Transport Motor Cooling Fan on the LCT3 defective • Connector disconnected • Harness broken • PCB defective

		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT3. • Replace the harness • Replace the PCB.

SC782-09	B	LCT3: Transport Motor Cooling Fan error
		Cooling fan alarm “H (error)” is detected while the Transport Motor Cooling Fan on the LCT3 is ON.
		• Transport Motor Cooling Fan on the LCT3 defective • Connector disconnected • Harness broken • PCB defective
		• Reconnect the connector. • Replace the Transport Motor Cooling Fan on the LCT3. • Replace the harness • Replace the PCB.

SC782-51	D	LCT3: Connection configuration error (Bridge unit connection error)
		The bridge unit is connected to LCT3.
		The bridge unit is connected to LCT3 in triple LCT configuration.
		Remove the bridge unit from the LCT3.

SC782-52	D	LCT3: Connection configuration error (Multi bypass tray connection error)
		The multi bypass tray is connected to LCT3.
		The multi bypass tray is connected to LCT3.
		Remove the multi bypass tray from the LCT3.

Perfect Binder

SC754-10	B	Perfect Binder: Signature thickness sensor value unstable error
		The signature thickness reading did not change, even after the main grip unit opened and closed.
		• Signature thickness sensor defective • Connector loose, broken, defective • Slave control board defective • Master control board defective • EEPROM on the master board defective
		• Reconnect the connector. • Specify the signature thickness again.

		• Replace the signature thickness sensor. • Replace the EEPROM on the master board. • Replace the slave control board. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-11	B	Perfect Binder: Glue vat roller motor error
		The glue vat roller rotation sensor could not detect rotation of the glue vat roller motor within 1200 ms of motor operation.
		• Glue vat roller motor defective • Glue vat roller rotation sensor connector defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the vat roller motor. • Replace the vat roller rotation sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-12	B	Perfect Binder: Glue roller HP sensor late error
		During glue supply, the glue roller HP sensor did not go ON, even though the glue roller motor was operating for 1000 ms.
		• Glue pellets jammed • Glue supply motor defective • Glue roller HP sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-	B	Perfect Binder: Glue roller HP sensor lag error

13		During glue supply, the glue roller HP sensor did not go OFF, even though the glue roller motor was operating for 2400 ms.
		• Glue pellets jammed • Glue supply motor defective • Glue roller HP sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the glue supply motor. • Replace the glue roller HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-14	B	Perfect Binder: Front door lock error
		Front door lock release sensor did not go off, even though the door was locked.
		• Front door solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the front door solenoid. • Replace the front door lock release sensor. • Replace the master control board. • Replace the solenoid harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-15	B	Perfect Binder: Front door lock release error
		The front door lock release sensor did not go ON, even though the door was unlocked.
		• Front door solenoid defective • Front door lock release sensor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the front door solenoid. • Replace the front door lock release sensor. • Replace the master control board.

		• Replace the solenoid harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-16	B	Perfect Binder: Front door force open error
		The front door open was detected open, even though it was locked.
		• Front door switch defective • Front door solenoid defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the front door solenoid. • Replace the front door switch. • Replace the master control board. • Replace the solenoid harness. • Replace the switch harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-17	B	Perfect Binder: Switchback flapper HP sensor late error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go ON, even though the switchback flapper motor operated long enough for lifting through an arc of 50 degrees
		• Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-18	B	Perfect Binder: Switchback flapper HP sensor lag error
		During the switchback flapper lift operation, the switchback flapper HP sensor did not go OFF, even though the switchback flapper motor operated long enough for lowering through an arc of 150 degrees

		• Switchback flapper HP sensor defective • Switchback flapper motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the switchback flapper motor. • Replace the switchback flapper HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-19	B	Perfect Binder: TE press lever HP sensor late error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go ON, even though the TE press lever motor operated long enough to move the lever through and arc of 30 degrees.
		• TE press lever HP sensor defective • TE press lever motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-20	B	Perfect Binder: TE press lever HP sensor lag error
		When the trailing edge press lever was released, the TE press lever HP sensor did not go OFF, even though the TE press lever motor operated long enough to move the lever through and arc of 20 degrees.
		• TE press lever HP sensor defective • TE press lever motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the TE press lever motor. • Replace the TE press lever HP sensor.

		• Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-21	B	Perfect Binder: Jog fence front HP sensor late error
		The front jog fence HP sensor did not go ON, even thought the jog fence motor operated long enough for 60 mm of feed.
		• Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-22	B	Perfect Binder: Jog fence front HP sensor lag jam
		While small-size paper was being jogged, the jog fence front HP sensor did not go OFF after the front jog fence motor operated long enough for 40 mm of feed.
		• Jog fence front HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-23	B	Perfect Binder: Jog fence large HP sensor late error
		While large-size paper was being jogged, the front jog fence large HP sensor did not go ON, even though the jog fence front motor operated long enough for 70mm of feed.

		• Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-24	B	Perfect Binder: Jog fence front large HP sensor lag error
		While large-size paper was being jogged, the jog fence front large HP sensor did not go OFF after the front jog fence motor operated long enough for 20 mm of feed.
		• Jog fence front large HP sensor defective • Jog fence front motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence front motor. • Replace the jog fence front large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-25	B	Perfect Binder: Jog fence rear HP sensor late error
		While jogging small-size paper, the rear jog fence HP sensor did not go ON, even though the jog fence motor operated long enough for 60 mm of feed.
		• Jog fence rear HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear HP sensor. • Replace the master control board. • Replace the motor harness.

		• Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-26	B	Perfect Binder: Jog fence rear HP sensor lag jam
		While small-size paper was being jogged, the jog fence rear HP sensor did not go OFF after the rear jog fence motor operated long enough for 40 mm of feed.
		• Jog fence rear HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-27	B	Perfect Binder: Jog fence rear large HP sensor late error
		While large-size paper was being jogged, the rear jog fence large HP sensor did not go ON, even though the jog fence rear motor operated long enough for 70mm of feed.
		• Jog fence rear large HP sensor defective • Jog fence rear motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-28	B	Perfect Binder: Jog fence rear large HP sensor lag error
		While large-size paper was being jogged, the jog fence rear large HP sensor did not go OFF after the rear jog fence motor operated long enough for 20 mm of feed.
		• Jog fence rear large HP sensor defective • Jog fence rear motor defective

		• Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the jog fence rear motor. • Replace the jog fence rear large HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-29	B	Perfect Binder: Switchback roller HP sensor late error
		During the switchback roller lift operation, the switchback roller HP sensor did not go ON, even though the switchback roller lift motor operated long enough for lifting through an arc of 40 degrees.
		• Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the switchback roller lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-30	B	Perfect Binder: Switchback roller HP sensor lag error
		During the switchback roller lowering, the switchback roller HP sensor did not go OFF, even though the switchback roller lift motor operated long enough for lowering through an arc of 40 degrees.
		• Switchback roller HP sensor defective • Switchback roller lift motor defective • Connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the switchback roller lift motor. • Replace the switchback roller HP sensor. • Replace the master control board. • Replace the motor harness.

		• Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-31	B	Perfect Binder: Stacking tray lower limit late error
		When the stacking tray was lowered, the tray lower limit sensor did not go ON after the stacking tray lift motor had operated long enough for 90 mm of lift.
		• Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-32	B	Perfect Binder: Stacking tray low limit lag error
		When the stacking tray was raised, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 30mm of lift.
		• Tray lower limit sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the tray lower limit sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-33	B	Perfect Binder: Paper detect sensor (front) detection error
		When the stacking tray was raised, the paper detect sensor (front) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 30 mm of lift.
		• Paper detect sensor (front) defective

		• Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-34	B	Perfect Binder: Perfect Binder: Paper detect sensor (front) no paper detection error
		When the stacking tray was lowered, the tray lower limit sensor did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		• Paper detect sensor (front) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (front). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-35	B	Perfect Binder: Paper detect sensor (rear) paper detection error
		When the stacking tray was raised, the paper detect sensor (rear) did not go ON, even after the stacking tray overflow sensor went ON and the stacking tray lift motor had operated for 40 mm of lift.
		• Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness.

		• Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-36	B	Perfect Binder: Paper detect sensor (rear) no paper detection error
		When the stacking tray was lowered, the paper detect sensor (rear) did not go OFF after the stacking tray lift motor had operated long enough for 10mm of lowering.
		• Paper detect sensor (rear) defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the paper detect sensor (rear). • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-37	B	Perfect Binder: Stack overflow sensor detection late error
		When the stacking tray was raised, the stack overflow sensor did not go OFF after the stacking tray lift motor had operated long enough for 70mm lowering.
		• Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-38	B	Perfect Binder: Stacking tray low limit sensor error 1
		The stacking tray low limit sensor and the stack overflow sensor went ON at the same time.
		• Tray lower limit sensor defective • Stack overflow sensor defective • Harness connector loose, broken, defective

		• Master control board defective
		• Reconnect the connector. • Replace the tray lower limit sensor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-39	B	Perfect Binder: Stack overflow sensor detection position lag error
		When the tray was lowered to allow removal of the booklets, the stack overflow sensor did not go OFF, even after the stacking tray lift motor had operated long enough for 40mm of lift.
		• Stack overflow sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack overflow sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-40	B	Perfect Binder: Stacking tray low limit sensor error 2
		When the stacking tray was lifted, the stack overflow sensor did not go OFF, even though the either (or both) the paper detect sensor (front) or the paper detect sensor (rear) were on while the stacking tray empty sensor was OFF.
		• Tray empty sensor defective • Paper detect sensors (front, rear, or both) defective • Stack overflow sensor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the tray empty sensor. • Replace the paper detect sensor (front). • Replace the paper detect sensor (rear). • Replace the stack overflow sensor. • Replace the master control board.

		• Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-41	B	Perfect Binder: Stack tray HP sensor late error
		When the tray moved to the home position, the HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		• Stack tray HP sensor defective • Stacking tray lift motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray lift motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-42	B	Perfect Binder: Stack tray HP sensor lag error
		When the tray moved from the home position, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		• Stack tray HP sensor defective • Stacking tray motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stacking tray motor. • Replace the stack tray HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-43	B	Perfect Binder: Stack weight move HP sensor late error
		When the tray moved to the home position, the stack weight move HP sensor did not go ON after enough time for 70mm of movement had elapsed.
		• Stack weight HP sensor defective • Stack weight motor defective

		• Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-44	B	Perfect Binder: Stack weight HP sensor lag error
		During movement away from the HP sensor, the HP sensor did not go OFF after enough time for 10mm of movement had elapsed.
		• Stack weight HP sensor defective • Stack weight motor defective • Harness connector loose, broken, defective • Master control board defective
		• Reconnect the connector. • Replace the stack weight motor. • Replace the stack weight HP sensor. • Replace the master control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-45	B	Perfect Binder: Sub grip HP sensor late error
		During the sub grip lift operation, the sub grip upper HP sensor did not go ON, even though the sub grip lift motor had operated for 4110 ms.
		• Sub grip lift motor defective • Sub grip upper HP sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the sub grip lift motor. • Replace the Sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-46	B	Perfect Binder: Sub grip HP sensor lag error
		During sub grip lowering, the sub grip lower HP sensor did not go OFF, even though the sub grip lift motor had operated for 240 ms.
		• Sub grip lift motor defective • Sub grip upper HP sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the sub grip lift motor. • Replace the Sub grip upper HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-47	B	Perfect Binder: Sub grip size HP sensor late error
		When the sub grip unit opened horizontally, the size move HP sensor did not go ON, even after the size move motor had operated for 726 ms, or operated long enough for 108.75 mm of movement. After the sub grip unit moved to the horizontal release position, the sub grip size HP sensor was already OFF.
		• Sub grip size motor defective • Sub grip size HP sensor defective • Harness connector, loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-48	B	Perfect Binder: Sub grip size HP sensor lag error
		• When the sub grip unit closed horizontally, the size move HP sensor did not go OFF, even after the size move motor had operated for 500 ms, or operated long enough for 108.75 mm of movement. • After the sub grip unit moved from the horizontal close position to the open position, the

		size shift HP sensor was already ON.
		• Sub grip size motor defective • Sub grip size HP sensor defective • Harness connector, loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the sub grip size motor. • Replace the sub grip size HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-49	B	Perfect Binder: Sub grip open position late error
		At the start of the sub grip open operation, the SG open sensor did not go ON, even after the SG motor had operated for 1500 ms.
		• SG motor drive board defective • SG open sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-50	B	Perfect Binder: Sub grip open position lag error
		At the start of the sub grip close operation, the SG open sensor did not go OFF, even after the SG motor had operated for 500 ms.
		• SG motor defective • SG open sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the SG motor. • Replace the SG open sensor. • Replace the slave control board.

		• Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-51	B	Perfect Binder: Sub grip close position late error
		At the start of the sub grip close operation, the SG close sensor did not go ON, even after the SG motor had operated for 1500 ms.
		• SG motor defective • SG close sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-52	B	Perfect Binder: Sub grip close position lag error
		At the start of the sub grip open operation, the SG close sensor did not go OFF, even after the SG motor had operated for 500 ms.
		• SG motor defective • SG close sensor defective • Harness connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the SG motor. • Replace the SG close sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-53	B	Perfect Binder: Main grip HP sensor late error
		• During main grip lift, the MG HP sensor did not go ON, even though the main grip lift motor had operated for 6185 ms. • MG HP sensor did not go OFF when the main grip moved from up position to down

		position.
		• MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-54	B	Perfect Binder: Main grip HP sensor lag error
		• During main grip lowering, the MG HP sensor did not go OFF, even though the main grip lift motor had operated for 1455 ms. • MG HP sensor did not go ON when the main grip moved from down position to up position.
		• MG lift motor defective • MG HP sensor defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-55	B	Perfect Binder: Main grip press sensors (s) position late error
		When lifting from main grip signature registration position, MG press sensors did not go ON, even though the MG lift motor had operated for 95 ms.
		• MG lift motor defective • MG press sensors defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor.

		• Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-56	B	Perfect Binder: Main grip press sensor (S) position lag error
		When lowering to main grip signature registration position, MG press sensor (S) did not go OFF, even though the MG lift motor had operated for 5640 ms.
		• MG lift motor defective • MG press sensor (S) defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (S). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-57	B	Perfect Binder: Main grip press sensor (L) position late error
		When lowering cover in main grip to press position, MG press sensor (L) did not go ON, even though the MG lift motor had operated for 6185 ms.
		• MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-58	B	Perfect Binder: Main grip press sensor (L) position lag error
		When raising cover in main grip from press position, MG press sensor (L) did not go OFF, even

		though the MG lift motor had operated for 95 ms.
		• MG lift motor defective • MG press sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG press sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-59	B	Perfect Binder: Signature exit sensor late error
		When signature was passed from main grip to signature exit roller, signature exit sensor did not go ON after MG lift motor moved to signature turnover position.
		• MG lift motor defective • Signature exit sensor defective • Signature out of position, snagged on main grip • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the signature exit sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-60	B	Perfect Binder: Main grip HP sensor (L) late error
		During main grip lift, the MG HP sensor (L) did not go ON, even though the main grip lift motor had operated for 6185 ms.
		• MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor.

		• Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-61	B	Perfect Binder: Main grip HP sensor (L) lag error
		During main grip lowering, the MG HP sensor (L) did not go OFF, even though the main grip lift motor had operated for 1455 ms.
		• MG lift motor defective • MG HP sensor (L) defective • Connector harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG lift motor. • Replace the MG HP sensor (L). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-62	B	Perfect Binder: Main grip open sensor (R) late error
		At the start of the main grip open operation, the MG open sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (R) defective • MG open sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-63	B	Perfect Binder: Main grip open sensor (R) lag error
		At the start of the main grip close operation, the MG open sensor (R) did not go OFF, even after

		the MG motor (R) had operated for 500 ms.
		• Main grip motor (R) defective • Main grip open sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip open sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-64	B	Perfect Binder: Main grip close sensor (R) late error
		At the start of the main grip close operation, the MG clsoe sensor (R) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip close sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-65	B	Perfect Binder: Main grip close sensor (R) lag error
		At the start of the main grip close operation, the MG close sensor (R) did not go OFF, even after the MG motor (R) had operated for 500 ms.
		• Main grip motor (R) defective • Main grip close sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip close sensor (R). • Replace the slave control board.

		• Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-66	B	Perfect Binder: Main grip motor (R) rotation error
		At the start of the main grip open operation, the MG encoder sensor (R) was not detected on/off, even after the MG motor (R) had operated for 200 ms.
		• Main grip motor (R) defective • Main grip encoder sensor (R) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the main grip motor (R). • Replace the main grip encoder sensor (R). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-67	B	Perfect Binder: Main grip open sensor (F) late error
		At the start of the main grip open operation, the MG open sensor (F) did not go ON, even after the MG motor (R) had operated for 3000 ms.
		• Main grip motor (F) defective • MG open sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-68	B	Perfect Binder: Main grip open sensor (F) lag error
		At the start of the main grip close operation, the MG open sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		• MG motor (F) defective

		• MG open sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG open sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-69	B	Perfect Binder: Main grip close sensor (F) late error
		At the start of the main grip open operation, the MG clsoe sensor (F) did not go ON, even after the MG motor (F) had operated for 3000 ms.
		• MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-70	B	Perfect Binder: Main grip close sensor (F) lag error
		At the start of the main grip open operation, the MG close sensor (F) did not go OFF, even after the MG motor (F) had operated for 500 ms.
		• MG motor (F) defective • MG close sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG close sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness.

		After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-71	B	Perfect Binder: Main grip motor (F) rotation error
		At the start of the main grip open/close operation, the MG encoder sensor (F) was not detected on/off, even after the MG motor (F) had operated for 200 ms.
		• MG motor (F) defective • MG encoder sensor (F) defective • Connector or harness loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the MG motor (F). • Replace the MG encoder sensor (F). • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-72	B	Perfect Binder: Signature exit path HP sensor late error
		During signature output roller separation, the signature exit path sensor did not go ON, even after the signature exit path motor was ON for 750 ms.
		• Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-73	B	Perfect Binder: Signature exit path HP sensor lag error
		During signature exit roller nip operation, the signature exit path sensor did not go OFF, even after the signature exit path motor was OFF for 300 ms.
		• Signature path exit motor defective • Signature path exit HP sensor defective • Connector loose, broken, defective

		• Slave control board defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit HP sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-74	B	Perfect Binder: Signature path exit press sensor late error
		During signature exit roller nip operation, the signature exit path exit press sensor did not go ON, even after the signature exit path motor operated for 300 ms.
		• Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-75	B	Perfect Binder: Signature path exit press sensor late error
		During signature output roller separation, the signature exit path press sensor did not go OFF, even after the signature exit path motor was ON for 300 ms.
		• Signature path exit motor defective • Signature path exit press sensor defective • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature path exit motor. • Replace the signature path exit press sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-76	B	Perfect Binder: Leading edge sensor late error
		When signature exited at signature path exit roller, the leading edge sensor did not go ON, even after the signature exit roller motor operated long enough to feed the book 45 mm.
		• Signature exit roller motor defective • Leading edge sensor defection • Signature jam • Connector loose, broken, defective • Slave control board defective
		• Reconnect the connector. • Replace the signature exit roller motor. • Replace the leading edge sensor. • Replace the slave control board. • Replace the motor harness. • Replace the sensor harness. • Clear the signature jam After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-77	B	Perfect Binder: Drive switch motor error (down to up)
		The rack where the drive gear is mounted did not retract from the drive switch sensor after the drive switch motor operated for 3 s.
		• Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective • Inserter control board defective
		• Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-78	B	Perfect Binder: Drive switch motor error (up to down)
		The rack where the drive gear is mounted was late arriving at the drive switch sensor after the drive switch motor operated for 3 s.
		• Drive switch motor defective • Drive switch sensor defective • Connector loose, broken, defective • Inserter control board defective

		• Reconnect the connector. • Replace the drive switch motor. • Replace the drive switch sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-79	B	Perfect Binder: Upper tray low position late error
		The upper tray did not leave the lower limit sensor after the upper tray lift motor had operated for 5 s.
		• Upper tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective • Inserter control board defective
		• Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray low limit sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-80	B	Perfect Binder: Upper tray feed position late error
		The upper tray did not arrive at the PICK sensor after the upper tray lift motor had operated for 5 s.
		• Upper tray lift motor defective • Upper tray PICK sensor defective • Connector loose, broken, defective • Inserter control board defective
		• Reconnect the connector. • Replace the upper tray lift motor. • Replace the upper tray PICK sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-	B	Perfect Binder: Lower tray low position lag error

81		The lower tray did not leave the low limit sensor after the lower tray lift motor had operated for 5 s.
		• Lower tray lift motor defective • Upper tray low limit sensor defective • Connector loose, broken, defective • Inserter control board defective
		• Reconnect the connector. • Replace the lower tray lift motor. • Replace the upper tray low limit sensor • Replace the inserter control board. • Replace the motor harness. • Replace the sensor harness. After the repairs, cancel the low performance mode, and then turn the power off/on.

SC754-82	B	Perfect Binder: Lower tray paper feed position late error
		The lower tray did not leave the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		The lower tray did not arrive at the lower tray paper feed sensor after the lower tray lift motor had operated for 5 s.
		• Lower tray lift motor defective • Lower tray PICK sensor defective • Connector loose, broken, defective • Inserter control board defective

SC800

SC816		Energy save I/O subsystem error	GW
-00	D	-	
-01	D	Sub system error	
-02	D	sysarch(LPUX_GET_PORT_INFO) error	
-03	D	STR shift reject	
-04	D	Write error generated by kernel communication driver	
-05	D	STR pre-shift processing error	
-07	D	sysarch(LPUX_GET_PORT_INFO) error	
-08	D	sysarch(LPUX_ENGINE_TIMERCTRL) error	
-09	D	sysarch(LPUX_RETURN_FACTOR_STR) error	
-10	D	sysarch(LPUX_GET_PORT_INFO) error	
-11	D	sysarch(LPUX_GET_PORT_INFO) error	
-12	D	sysarch(LPUX_GET_PORT_INFO) error	
-13	D	open() Error	
-14	D	Memory address setting error	
-15	D	open() Error	
-16	D	open() Error	
-17	D	open() Error	
-18	D	open() Error	
-19	D	Duplicate open () error	
-20	D	open() Error	
-22	D	Parameter error	
-23	D	read() Error	
-24	D	read() Error	
-25	D	write() Error	
-26	D	write() communication retry error	
-27	D	write() communication retry error	
-28	D	write() communication retry error	
-29	D	read() communication retry error	
-30	D	read() communication retry error	
-35	D	read() Error	
-36	D	Sub System Error	
-37	D	Sub System Error	
-38	D	Sub System Error	
-39	D	Sub System Error	
-40	D	Sub System Error	

-41	D	Sub System Error
-42	D	Sub System Error
-43	D	Sub System Error
-44	D	Sub System Error
-45	D	Sub System Error
-46	D	Sub System Error
-47	D	Sub System Error
-48	D	Sub System Error
-49	D	Sub System Error
-50	D	Sub System Error
-51	D	Sub System Error
-52	D	Sub System Error
-53	D	Sub System Error
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-65	D	Sub System Error
-66	D	Sub System Error
-67	D	Sub System Error
-68	D	Sub System Error
-69	D	Sub System Error
-70	D	Sub System Error
-71	D	Sub System Error
-72	D	Sub System Error
-73	D	Sub System Error
-74	D	Sub System Error
-75	D	Sub System Error
-76	D	Sub System Error
-77	D	Sub System Error
-78	D	Sub System Error

-79	D	Sub System Error
-80	D	Sub System Error
-81	D	Sub System Error
-82	D	Sub System Error
-83	D	Sub System Error
-84	D	Sub System Error
-85	D	Sub System Error
-86	D	Sub System Error
-87	D	Sub System Error
-88	D	Sub System Error
-89	D	Sub System Error
-90	D	Sub System Error
-91	D	Sub System Error
-92	D	Sub System Error
-93	D	Sub System Error
-94	D	Sub System Error
		Low power I/O sub system detected an error
		• Controller board error
		• Cycle the machine off/on • Replace controller board

SC819-00	D	Kernel halt error	GW
		Compatibility error was detected in the operating system.	
		A RAM overflow error occurred during processing due to: • Insufficient memory • Insufficient FLASH memory • Insufficient CPU • Not enough memory installed	
		• Turn the main power off/on. • Replace the HDD. • Replace the memory • Replace the controller board. • Fix the software	

SC840-00	B	EEPROM error 1: EEPROM access
		During the I/O processing, a reading error occurred. The 3rd reading failure causes this SC code.
		• Defective EEPROM, end of service life

		• Replace controller board

SC841-00	B	EEPROM error 2: EEPROM read/write error
		Mirrored data of the EEPROM is different from the original data in EEPROM.
		• EEPROM defective, end of service life
		• Replace controller board

SC842-00	B	NAND-Flash Update Verify Error Detected.	GW
		SCS write error (verify error) occurred at the Nand-Flash module when remote ROM or main ROM was updated.	
		• Nand-Flash defective	
		• Cycle the machine off/on • Replace controller board	

SC842-01	B	Insufficient Nand-Flash blocks (threshold exceeded)	GW
		At startup, or when machine returned from low power mode, the Nand-Flash status was read and judged that the number of unusable blocks had exceeded threshold, and then SCS generated the SC code.	
		• Number of unusable blocks exceeded threshold for Nand-Flash	
		• Cycle the machine off/on • Replace controller board	

SC842-02	B	Number of Nand-Flash block deletions exceeded	GW
		At startup, or when the machined returned from low power mode, the Nand-Flash was read and judged that the number of deleted blocks had exceeded threshold, and then SCS generated this SC code.	
		• Number of blocks deleted exceeded threshold for Nand-Flash	
		• Cycle the machine off/on • Replace controller board	

SC853-00	B	Bluetooth device connection error	GW
		The Bluetooth device (USB type) was connected after the machine was powered on.	
		• Always connect the Bluetooth device (USB type) before the machine is powered on.	
		• Turn machine off • Connect Bluetooth device • Turn the machine on	

SC854-00	B	Bluetooth device removed	GW

		This error occurred when the Bluetooth device (USB type) was removed.
		• Never remove Bluetooth (USB type) after machine starts
		• Turn machine off • Connect Bluetooth device • Turn the machine on

SC855-01	B	Wireless LAN card error: Driver attach failed	GW
SC855-02	B	Wireless LAN card error: Driver failed to initialize	GW
		An error was detected for the wireless LAN card (802.11).	
		• Poor wireless device connection • Wireless LAN card defective	
		• Turn the main power off/on. • Replace wireless LAN board	

SC857-00	B	USB I/F Error	GW
		USB I/F could not be used due to driver malfunction	
		• USB driver defective	
		• Check USB connection. • Replace the controller board.	

SC858-01	A	Data encryption error: HDD key setting error	GW
		When the data encryption key was updated, data was converted but a serious error occurred.	
		• USB Flash, other data, corrupted • Communication error caused by electrostatic noise • Controller board defective	
		• Replace controller board	

SC858-02	A	Data encryption error: NVRAM read error	GW
		When the data encryption key was updated, data was converted but a serious error occurred.	
		• NVRAM defective	
		• Replace controller board	

SC858-30	A	Data encryption error: NVRAM before replace error	GW
		When the data encryption key was updated, data was converted but a serious error occurred.	
		• Software parameters caused error caused by at data conversion	
		• Cycle machine off/on • Replace controller board	

SC858-31	A	Data encryption error: other error	GW
		When the data encryption key was updated, data was converted but a serious error occurred.	
		• Controller board defective	
		• Cycle machine off/on • Replace controller board	

SC859-01	B	Data encryption error: HDD check error	GW
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.	
		• HDD conversion was set with the data encryption key update function, but the HDD was removed. • Machine lost power during data encryption key update • Electrostatic noise, or an HDD error occurred, during data encryption key update, and data was not encrypted.	
		• Check HDD connection. • Format the HDD. • If there is a problem with the HDD, it has to be replaced.	

SC859-02	B	Data encryption error: Power loss during data encryption	GW
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.	
		Power loss occurred while the data encryption key was being updated.	
		• Message prompts operator to format HDD	

SC859-10	B	Data encryption error: Data read command error	GW
		When the data encryption key was updated, HDD data was converted, but not correctly. Image displayed at conversion only (this SC is not displayed), but SC is displayed after machine is cycled off/on.	
		• Machine lost power during data encryption key update • Electrostatic noise, or an HDD error occurred, during data encryption key update, and data was not encrypted.	
		• Check HDD connection. • Format the HDD. • If there is a problem with the HDD, it has to be replaced.	

SC860-00 to 23	B	HDD startup error at power on	GW

		• HDD is connected but a read error is detected • No respond with the status of the HDD within 30 s.
		• HDD is not initialized • HDD is defective (attempt to initialize the HDD with SP5832-001)
		• Format HDD with SP5832. • Replace HDD

SC864-01 to 23	D	HDD data CRC error	GW
		During HDD operation, the HDD cannot respond to an CRC error query.	
		• HDD defective due to created bad sectors	
		• Format HDD with SP5832. • Replace HDD	

SC865-00 to 23	D	HDD access error	
		An error occurred during HDD operation.	
		• HDD responded to an error during operation for a condition other than those for SC864 (CRC error).	
		• Replace HDD	

SC866-00	B	SD card error 1: Confirmation	GW
		The machine detected an electronic license error in the application on the SD card in the controller slot immediately after the machine was turned on. Note: • The program on the SD card contains electronic confirmation license data. • This SC code is displayed only if the SD card contains license information.	
		• There is an illegal program on the SD card.	
		• Store a valid program data on the SD card.	

SC867-00	D	SD card error 2: SD card removed	GW
		The SD card was removed while the machine is on.	
		The SD card required to start an application was removed during startup..	
		• Cycle the machine off/on	

SC867 -01	D	SD card error 2: SD card removed	GW
		The SD card was removed while the machine is on.	
		The SD card required to start an application was not in the SD card slot.	
		• Cycle the machine off/on	

SC867-02	D	SD card error 2: SD card removed	GW
		The SD card was removed while the machine is on.	
		The SD card required to start an application was removed during startup.	
		• Cycle the machine off/on	

SC868-00	D	SD card error 3: SD card access	GW
		An error occurred while an SD card was in use.	
		• SD card defective • SD controller defective	
		SD card that starts an application 1. Turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, replace the SD card. 2. SD card for users • In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* • In case of a device access error, turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, use another SD card. 3. If the error persists even after replacing the SD card, replace the controller board. * Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.	

SC868-01	D	SD card error 3: SD card access	GW
		An error occurred while an SD card was in use.	
		• SD card defective • SD controller defective	
		SD card that starts an application 1. Turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, replace the SD card. 2. SD card for users • In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* • In case of a device access error, turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on.	

		• If an error occurs, use another SD card. 3. If the error persists even after replacing the SD card, replace the controller board. * Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.

SC868-02	D	SD card error 3: SD card access	GW
		An error occurred while an SD card was in use.	
		• SD card defective • SD controller defective	
		SD card that starts an application 1. Turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, replace the SD card. 2. SD card for users • In case of a file system error, reformat the SD card (using the "SD Formatter" made by Panasonic).* • In case of a device access error, turn the main power off and check the SD card insertion status. • If no problem is found, insert the SD card and turn the main power on. • If an error occurs, use another SD card. 3. If the error persists even after replacing the SD card, replace the controller board. * Do not format an SD card supplied with the main machine or sold as an option. You may only format SD cards used for Firmware Update by a Customer Engineer.	

SC870-00	B	Address book data error	GW
		Temporary address book error (another error that does not apply to other errors listed below)	
		• Error is logged	

SC870-01	B	Address book data error	GW
		No media to hold the saved address book data at startup.	
		• Turn the machine off • Set media correctly • Turn the machine on	

SC870-02	B	Address book data error	GW
		The setting that enables data encryption at startup did not find the required module (DESS).	
		• Turn the machine off • Set DESS module	

		• Turn the machine on

SC870-03	B	Address book data error	GW
		At initialization failed to generate file required to save the address book data.	
		• Cycle the machine off/on • If the same error occurs, initialize the address book area with SP5846-47 or SP5846-50	

SC870-04	B	Address book data error	GW
		At initialization failed to generate file required to save destination data.	
		• Cycle the machine off/on • If the same error occurs, initialize the destination information area with SP5846-48 or SP5846-50	

SC870-05	B	Address book data error	GW
		At initialization the file required to generate destination address data failed.	
		• Cycle the machine off/on • If the same error occurs, initialize the destination information area with SP5846-48 or SP5846-50	

SC870-06	B	Address book data error	GW
		At initialization failed to generate file required for LDAP search.	
		• Cycle the machine off/on • If the same error occurs, initialize the LDAP information area with SP5846-49 or SP5846-50	

SC870-07	B	Address book data error	GW
		At initialization failed to initialize entry information required by the system.	
		• Cycle the machine off/on • If the same error occurs, initialize the total address book information area with SP5846-50.	

SC870-08	B	Address book data error	GW
		At initialization there was a setting on the HDD required by the system for entry, but the initialization of the area to hold the address book failed to initialize.	
		• Turn the machine off. • Check the HDD connection on the back of the machine. • Turn the machine on. • If the same error occurs, initialize the address book area with SP5832-6.	

		• If the same error occurs, replace the HDD.

SC870-09	B	Address book data error	GW
		Mismatch error occurred in NVRAM device setting for the area where the information required to save the address book configuration is stored.	
		• No action. Re-initializes automatically.	

SC870-10	B	Address book data error	GW
		No directory created for storage of the address book data in SD/USB Flash ROM (device setting).	
		To store address book on SD card: • Turn the machine off. • Make sure the SD card is not write-protected • Insert the SD card, and turn the machine on. To store address book to Flash memory, cycle the machine off/on.	

SC870-11	B	Address book data error	GW
		Mismatch error occurred with address book items at startup	
		• Cycle the machine off/on • Initialize local address book with SP5846-50 or SP5846-47.	

SC870-20 to 50	B	Address book data error	GW
		During startup or operation, the machine detected an error in address book data retrieval or setting.	
		Address book information error	
		• Cycle the machine off/on • If the same SC occurs, initialize all address book information with SP5846-50.	

SC870-51 to 53	B	Address book data error	GW
		During startup or operation, the machine detected an error in address book data retrieval or setting.	
		Data encryption setting error	
		• Cycle the machine off/on. • Do the settings again.	

SC870-54 to 58	B	Address book data error	GW
		During startup or operation, the machine detected an error in address book data retrieval or setting.	

		Data encryption setting error
		• Cycle the machine off/on • If the same SC occurs, initialize all address book information with SP5846-50.

SC870-59	B	Address book data error	GW
		During startup or operation, the machine detected an error in address book data retrieval or setting.	
		The system could not determine the setting for the administrator's right. If this information cannot be retrieved, the address book cannot be accessed and the machine issues this SC error.	
		• Cycle the machine off/on. • Do the settings again.	

SC870-60	B	Address book data error	GW
		Could not retrieve system administrator permission setting	
		The address book data cannot be read from the HDD or SD card where it is stored, or the data read from the media is defective.	
		• Software defective. • Address book lookup mismatch error (server setting, LDAP setting) • Address book encryption setting or encryption key mismatch error (after NVRAM or HDD replaced separately and address book was not initialized) • The media holding the address book data (SD card, HDD) was removed temporarily, or application not compatible with machine • Address book data corrupted at access	
		• Cycle the machine off/on.	

SC872-00	B	HDD mail receive data error	GW
		HDD error detected at power on.	
		• HDD defective • Machine lost power while HDD was being accessed	
		• Format the HDD (SP5-832-007). • Replace the HDD. When you do the above, the following information will be initialized. • Partly received partial mail messages. • Already-read statuses of POP3-received messages (All messages on the mail server are handled as new messages).	

SC873-00	B	HDD mail send data error	GW
		HDD error detected at power on.	

		• HDD defective • Machine lost power while HDD was being accessed
		• Format the HDD (SP5-832-007). • Replace the HDD. When you do the above, the following information will be initialized. • Default sender name/password (SMB/FTP/NCP) • Administrator mail address • Scanner delivery history

SC874-99	D	Delete data area (other errors)	GW
		An error occurred while data was being erased on HDD or NVRAM.	
		• Error detected in HDD data delete program • Error detected in NVRAM data delete program • The “Delete All” option was not set	

SC875-01	D	Delete ALL data error: HDD check error (hddchack –i)	GW
SC875-02	D	Delete ALL data error:Data delete failure	GW
		During deletion of data from the HDD, and error was detected before HDD erase.	
		• HDD logic delete failed • Failed to delete every module holding data	
		• Cycle the machine off/on. • Delete all information on HDD with User Tools. • Turn the machine on. If there are bad sectors on the HDD, the error will recur. • Make sure the option is installed correctly.	

SC876-01	D	Log data error 1	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		• Log data file corrupted	
		• Format the HDD with SP5832-004.	

SC 876-02	D	Log data error 2	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		When the log encryption setting was enabled, the encryption module was not installed.	
		• Reset the data encryption module. • Disable the logged encryption settings.	

SC876-03	D	Log data error 3	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		Invalid log encryption key due to defective NVRAM data.	
		• Disable the logged data encryption settings. • Initialize LCS memory with SP5801-019. • Initialize the HDD with SP5832-004.	

SC876-04	D	Log data error 4	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		• Even though log data encryption was disabled, log data was encrypted in (NVRAM faulty). • Even though log data encryption was enabled, log data was not encrypted (NVRAM faulty).	
		• Initialize HDD with SP5832-004	

SC876-05	D	Log data error 5	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		• NVRAM replaced with one from another machine • HDD replaced with one from another machine	
		• Re-install original NVRAM. • Re-install original HDD • With the SC displayed, format HDD with SP5832-004	

SC876-99	D	Log data error 6	GW
		An error was detected when data was retrieved from the log at startup, or while the machine was operating.	
		• An error other than Log Data Errors 1 to 5 occurred.	
		• See Below	

If you cannot recover operation of the machine with the countermeasures described above, do this procedure:

1. Remove the HDD.
2. Execute SP5801-019.
3. Turn the machine off.
4. Re-install the HDD, and then turn to machine on.
5. Execute SP5832-004 to format the HDD.
6. Cycle the machine off/on.

Steps 1 to 7 should cancel the SC error. But this also erases the log and data encryption settings which must be entered again manually.

7. Open SP9730-002 and set it to "1" (ON).
8. Open SP9730-003 and set it to "1" (ON).
9. Open SP9730-004 and set it to "1" (ON).
10. Cycle the machine off/on.

SC877-00	B	HDD SD card delete error	GW
		Data overwrite (Zoffy) did not execute even though the machine is set for Zoffy.	
		• Zoffy SD card (Data Overwrite Security) was removed • SD card defective	
		• If the SD card is broken, prepare a new Data Overwrite Security option SD card and replace the NVRAM. • If the SD card has been removed, turn the main power off and reinstall a working Data Overwrite Security option SD card.	

SC878-00	D	TPM authentication error	GW
		TPM electronic recognition failure	
		• Update of system module attempted without correct update path • USB flash memory not operating correctly	
		• Replace board.	

Trusted Platform Module

In computing, Trusted Platform Module (TPM) is both the name of a published specification detailing a secure crypto processor that can store cryptographic keys that protect information, as well as the general name of implementations of that specification, often called the "TPM chip" or "TPM Security Device" (as designated in certain Dell BIOS settings).

SC878-01	D	USB flash error	GW
		There is a problem in the file system of the USB flash memory.	
		• USB Flash system files corrupted	
		• Replace controller board.	

SC878-02	D	TPM error 1	GW
		An error occurred in either TPM or the TPM driver	
		• TPM not operating correctly	
		• Replace controller board.	

SC878-03	D	TCSD dffof	GW
		An error occurred in the TPM software stack.	
		• TPM, TPM software cannot start	

		• A file required by TPM is missing
		• Replace controller board.

SC880-00	B	File Format Converter (MLB) error
		A request to get access to the MLB is not answered within the specified time.
		• MLB defective
		• Replace MLB • Remove MLB

SC881-01	D	Management area error	GW
		• A problem was detected in the software • This error may even occur is an IC card option is not installed.	
		• At login • When a print job was received • When WEB browser was opened	
		• Cycle the machine off/on.	

SC899-00	D	Software error
		An unknown software error occurred in the GW controller.
		For a hardware defect • Replace the hardware. For a software error • Turn the main power off/on. • Try updating the firmware.

SC900

SC900-00	D	Electrical total counter error	GW
		The total counter contains data that is not a number.	
		• NVRAM incorrect type • NVRAM defective or corrupted • Unexpected error from external source • When PRT received signals at SRM, the requested count did not complete.	
		• Replace NVRAM	

SC910-00	B	External controller error 1	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC911-00	B	External controller error 2	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC912-00	B	External controller error 3	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC913-00	B	External controller error 4	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC914-00	B	External controller error 5	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC 915-01	A	External controller error 6 (Egret Board)	GW
SC 915-02	A	External controller error 6 (HDD serial communication error)	GW
SC 915-03	A	External controller error 6 (CPU overheated)	GW
SC 915-04	A	External controller error 6 (GW cannot send due to receipt of erroneous command)	GW

SC 915-05	A	External controller error 6 (Error disabled GW communication)	GW
		The external controller alerted the machine about an error.	
		• Refer to the instructions for the external controller	
		• Cycle the machine off/on	

SC 919-00	D	External controller down	GW
		While EAC (External Application Converter), the conversion module, was operating normally, the receipt of a power line interrupt signal from the FLUTE serial driver was detected, or BREAK signal from the other station was detected.	
		• Controller power outage • Controller rebooted • Connection to controller loose	
		• Cycle the machine off/on	

SC920-01	B	Printer Error 1 (No response at PM start)	GW
SC920-01	B	Printer Error 1 (Timeout occurred during PM operation)	GW
SC920-02	B	Printer Error 1 (WORK memory not acquired)	GW
SC920-03	B	Printer Error 1 (Filter processing did not start)	GW
SC920-04	B	Printer Error 1 (Filter processing ended abnormally)	GW
		An internal application error was detected and operation cannot continue.	
		• Software defective, switch off/on, or change the controller firmware • Insufficient memory	
		• Cycle the machine off/on	

SC921-00	D	Printer Error 2: Font error	GW
		When the printer application started, the specified font could not be found on the SD card.	
		• The specified font is not on the SD card • SD card data corrupted	
		• Cycle the machine off/on	

SC925-00	B	Net File function error	GW
		The NetFile file management on the HDD cannot be used, or a NetFile management file is corrupted and operation cannot continue. The HDDs are defective and they cannot be debugged or partitioned, so the Scan Router functions (delivery of received faxes, document capture, etc.), Web services, and other network functions cannot be used. HDD status codes are displayed below the SC code:	
		• HDD defective • Power loss while data was writing to HDD	

		• Software bug
		• Refer to procedure below next table, SC925-01

SC925-01	B	Net File function error	GW
		Net File function error	GW
		The NetFile file management on the HDD cannot be used, or a NetFile management file is corrupted and operation cannot continue. The HDDs are defective and they cannot be debugged or partitioned, so the Scan Router functions (delivery of received faxes, document capture, etc.), Web services, and other network functions cannot be used. HDD status codes are displayed below the SC code:	
		• HDD defective • Power loss while data was writing to HDD • Software bug	
		If another SC related to HDD errors (SC860 to SC865) is issued at the same time, the HDD is the cause. Solve the other SC. If SC860 to SC865 is not issued: • Turn the main power off/on. • If this does not work, initialize the HDD NetFile partition (SP5-832-011: HDD Formatting (Ridoc I/F)). Approval by the customer is required because received fax message waiting to be delivered and documents waiting to be captured will be lost. 1. Go into the User Tools mode and do "Delivery Settings" to print all received fax documents that are scheduled for delivery. Then erase them. 2. In the User Tools mode, do Document Management> Batch Delete Transfer Documents. 3. Do SP5-832-011, then turn the machine power off and on. 4. If this does not solve the problem, format all HDD partitions with SP5-832-001, and then cycle the machine off/on. • Approval by the customer is required because documents and Address Book information in the HDD will be lost. • Received fax messages stored are protected but the order may be changed. 5. If this does not solve the problem, replace the HDD.	

Here is a list of HDD status codes:

Display	**Meaning**
(-1)	HDD not connected
(-2)	HDD not ready
(-3)	No label
(-4)	Partition type incorrect
(-5)	Error returned during label read or check
(-6)	Error returned during label read or check

(-7)	“filesystem” repair failed
(-8)	“filesystem” mount failed
(-9)	Drive does not answer command
(-10)	Internal kernel error
(-11)	Size of drive is too small
(-12)	Specified partition does not exist
(-13)	Device file does not exist

Recovery from SC 925

Procedure 1

If the machine shows SC codes for HDD errors (SC860 to SC865) with SC 925, do the recovery procedures for SC860 to SC865.

Procedure 2

1. If the machine does not show one of the five HDD errors (SC860 to SC865), turn the machine power off and on.
2. If this is not the solution for the problem, then initialize the NetFile partition on the HDD with SP5832-11 (HDD Formatting – Ridoc I/F).

   NetFiles: These are jobs printed from the document server using a PC and DeskTopBinder. Before you initialize the NetFile partition on the HDD, tell the customer:
   - Received faxes on the delivery server will be erased
   - All captured documents will be erased
   - Desk Top Binder/Print Job Manager/Desk Top Editor job history will be erased
   - Documents on the document server, and scanned documents, will not be erased.
   - The first time that the network gets access to the machine, the management information must be configured again (this will use a lot of time).
3. Before you initialize the Netfile partition with SP5832-11, do these steps:
4. In the User Tools mode, do Document Management> Batch Delete Transfer Documents.
5. Do SP5832-11, and turn the machine off and on.

Procedure 3

1. If “Procedure 2” is not the solution for the problem, do SP5832-1 (HDD Formatting – All)
2. Cycle the machine off/on.

Note

- SP5832-001 erases all document and address book data on the hard disks. Consult with the customer before you do this SP code.

Procedure 4

If “Procedure 3” does not solve the problem, replace the HDD.

SC990-00	D	Software error 1	GW
		An unexpected operation was encountered by the software.	
		• Software crash, reboot the machine • If the HDDs have just been replaced, be sure to download the stamp data (SP 5853).	

		• With SP5990 004(SMC Report – Logging Data), print the most recent information for SC990. • The SC990 information displays the file name, line number, and value. Report this information to your technical supervisor. For example: **Function.c LINE: 123 VAL: 0**
		• Cycle the machine off/on • Re-install firmware for controller board, BCU

SC991-00	C	Software Error 2	GW
		The software peformed an unexpected function and the program cannot continue. Recovery processing allows the program to continue.	
		• Abnormal variable • Internal parameter error • Insufficient work memory • Hardware error not detected by SC	
		• Increments count (no action needed)	

In order to get more details about SC991:

1. Execute SP7403 or print an SMC Report (SP5990) to read the history of the 10 most recent logged errors.
2. If you press the zero key on the operation panel with the SP selection menu displayed, you will see detailed information about the recently logged SC991, including the software file name, line number, and so on. Of these two methods, 1) is the recommended method, because another SC could write over the information for the previous SC.

SC992-00	D	Undefined Error (No SC Code)	GW
		An error not controlled by the system occurred (the error does not come under any other SC code).	
		• Software defective • Incorrect SC code from previous machine	
		• Cycle the machine off/on	

SC994-00	D	Application Item Error	GW
		The number of executed application items on the operation panel reach the maximum limit for the operation panel structure.	
		• Too many executed application items	
		• Increments count (no action needed)	

SC995-01	D	CPM setting error	GW
		The 11-digit machine code information and the manufacturer code were compared.	
		• The machine code and manufacturer codes do not match.	
		• Enter the machine number with SP5811	

		• Cycle the machine off/on • This restores the machine to its state before NVRAM replacement

SC995-02	D	CPM setting error	GW
		The 11-digit machine code information and the manufacturer code were compared.	
		• The machine code and manufacturer codes do not match.	
		• Restore the machine to its state before NVRAM replacement • Download NVRAM data with SP5825 • Cycle the machine off/on	

SC995-03	D	CPM setting error	GW
		The 11-digit machine code, or the machine recognition code, do not match.	
		The 11-digit machine code information and the manufacturer recognition code were compared.	
		• The machine code and manufacturer codes do not match.	
		• Replace the controller with one that has the correct number code	

SC995-04	D	CPM setting error	GW
		The 11-digit machine code information and the manufacturer code were compared and do not match.	
		• The machine code and manufacturer codes do not match.	
		• Replace the controller with the correct type	

SC997-00	D	Application selection error 1	GW
		An application did not start after pressing the appropriate key on the operation panel.	
		Software bug.	
		• Confirm that the RAM, DIMM, and PCB are the correct type for the option, • Make sure that the downloaded programs are compatible.	

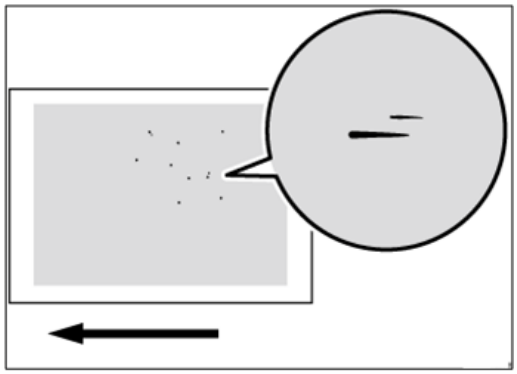
SC998-00	D	Application selection error 2
		Register processing did not execute for an application within 60 sec. after the machine was switched on. No applications start correctly, and all end abnormally.
		• Software bug • A RAM or DIMM option required by the application is not installed or not installed correctly.
		• Confirm that the RAM, DIMM, and PCB are the correct type for the option, • Make sure that the downloaded programs are compatible. • Replace the controller board.

Image Quality Problems

Toner Spotting/Staining

Paper Spotted with Toner

Paper has toner spots of 0.5–1 mm (0.02–0.04 inches) in diameter.



d1798002

Cause:

Toner fragments have slipped through the cleaning web, which cleans the pressure roller, and re-adhered to paper.

This may occur if:

- Printing on both sides of paper
- Printing on uncoated (especially rough-textured) paper
- Printing a single-dot halftone image

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper.

Solution:

Increasing the temperature when using thin paper with a thickness equivalent to Paper Weight 0 or 1 may cause paper curling, resulting in paper jams at the fusing unit.

1. Increase the temperature by 5°C in Fusing Heat Roller Temperature Adj in Advanced Settings for the custom paper in use. (SP1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. Increase the temperature an additional 5 °C in Fusing Heat Roller Temperature Adj.
4. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

5. Have changes to the settings resulted in glossy lines or paper misfeed?

Yes	Decrease the temperature by 10 °C, and then go to the next step.
No	Go to the next step.

6. Set Adjust Cleaning Web Motor Interval to 0.01 in Advanced Settings for the custom paper in use. (SP1-858-1638

001 to 100: Web Feed Interval Custom Paper 001 to 100)

7. Print the image. Is the problem resolved?

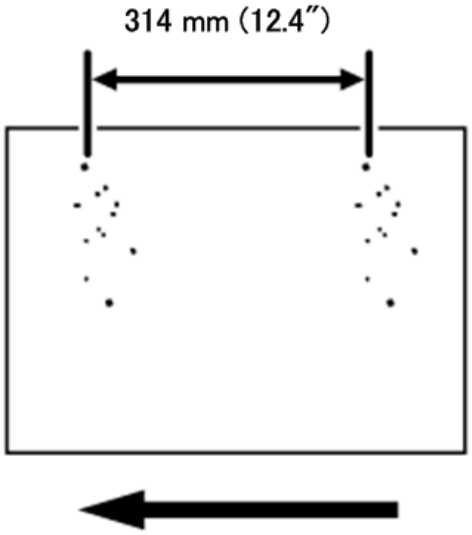
Yes	Finished!
No	Contact the product specialist.

Note

- Decreasing the value in Adjust Cleaning Web Motor Interval will shorten the replacement cycle of the cleaning web.

Black Spots

Black spots appear at 314 mm (12.4 inches) intervals.



d1798003

Cause:

The drum is scratched or stained.

Solution:

1. Remove the photoconductor unit and check the drum surface. Is the surface dirty?

Yes	Clean the drum surface.
No	Go to Step 3.

2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

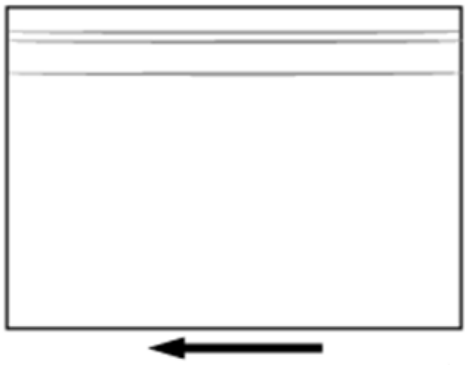
3. Is the surface of the drum scratched?

Yes	Replace the drum.
No	Consult the product specialist.

4. If the problem cannot be resolved, consult the product specialist.

Streaks (1)

Streaks parallel to the paper feed direction appear.



d1798004

Cause:

- Charger is dirty.
- PCDU cleaning unit is worn out.
- Drum surface is scratched.

Solution:

1. On the Trained Operator menu execute [Clean Charge Unit], or do **SP2-220-001** (CH Clean Operation)
2. Remove the charge unit and check its surface. Is the surface dirty?
3. Do a test print. Is the problem resolved?

Yes	Finished!
No	Go to Step 5.

4. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

5. Replace the charge wire and cleaning pads.
6. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

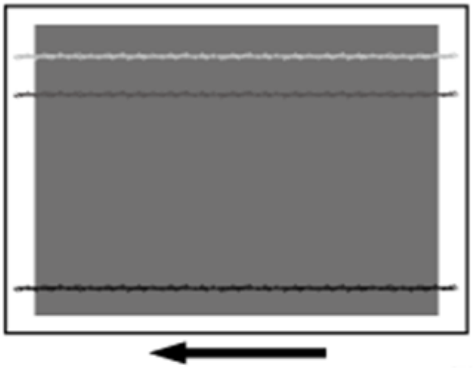
7. Remove the photoconductor unit and check the drum surface. Is the surface dirty or scratched?

Dirty:	Replace the cleaning unit for PCDU.
Scratched:	Replace the drum.
Neither:	Consult the product specialist.

8. If the problem persists even after you have replaced the cleaning unit for PCU or drum, consult the product specialist..

Streaks (2)

Extended, blurred streaks parallel to the paper feed direction appear. The streaks also appear randomly in the margins.



d1798005

Cause:

If the temperature or humidity is low, remaining toner might be missed by the cleaning blade of the ITB cleaning unit or transfer unit, causing streaks to appear sporadically.

Solution:

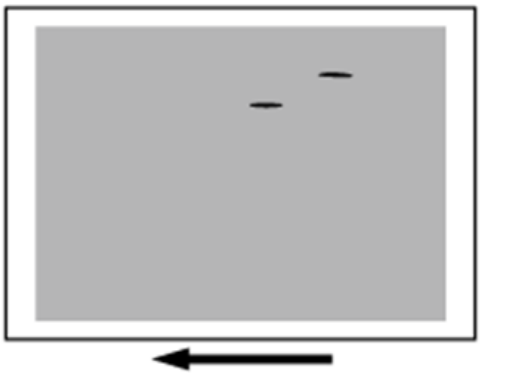
1. Is the printed side affected by the problem?

Yes	Go to the next step.
No	Consult the product specialist.

2. Replace the ITB cleaning unit.
3. If the problem persists after you have replaced the ITB cleaning unit, consult the product specialist.

Streaks (3)

Streaks appear in solid-filled areas.



d1798006

Cause:

If the toner contains small clumps, they disintegrate in the development unit, producing streaks.

This problem may occur if the machine is left unattended for a long period or the toner bottle is kept out of its moisture-proof bag for a long period.

Solution:

1. Print 350 full-page, solid-fill A3 or DLT sheets.
2. Print the image. Is the problem resolved?

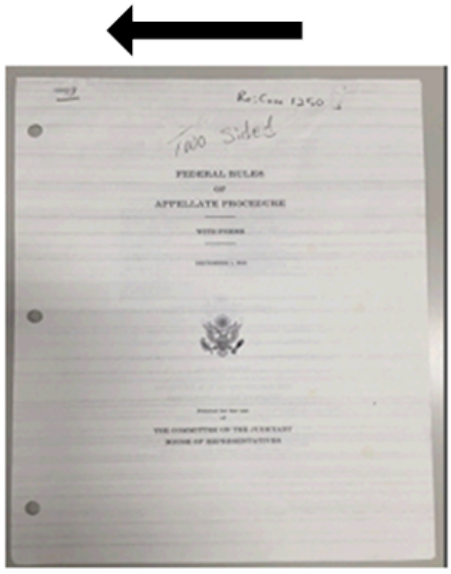
Yes	Finished!

No	Replace the toner bottle.

3. Print 350 full-page, solid-fill A3 or DLT sheets.
4. If the problem persists, consult the product specialist.

Streaks (4)

Streaks can appear in images if the machine remains idle in Standby Mode for a long period of time.

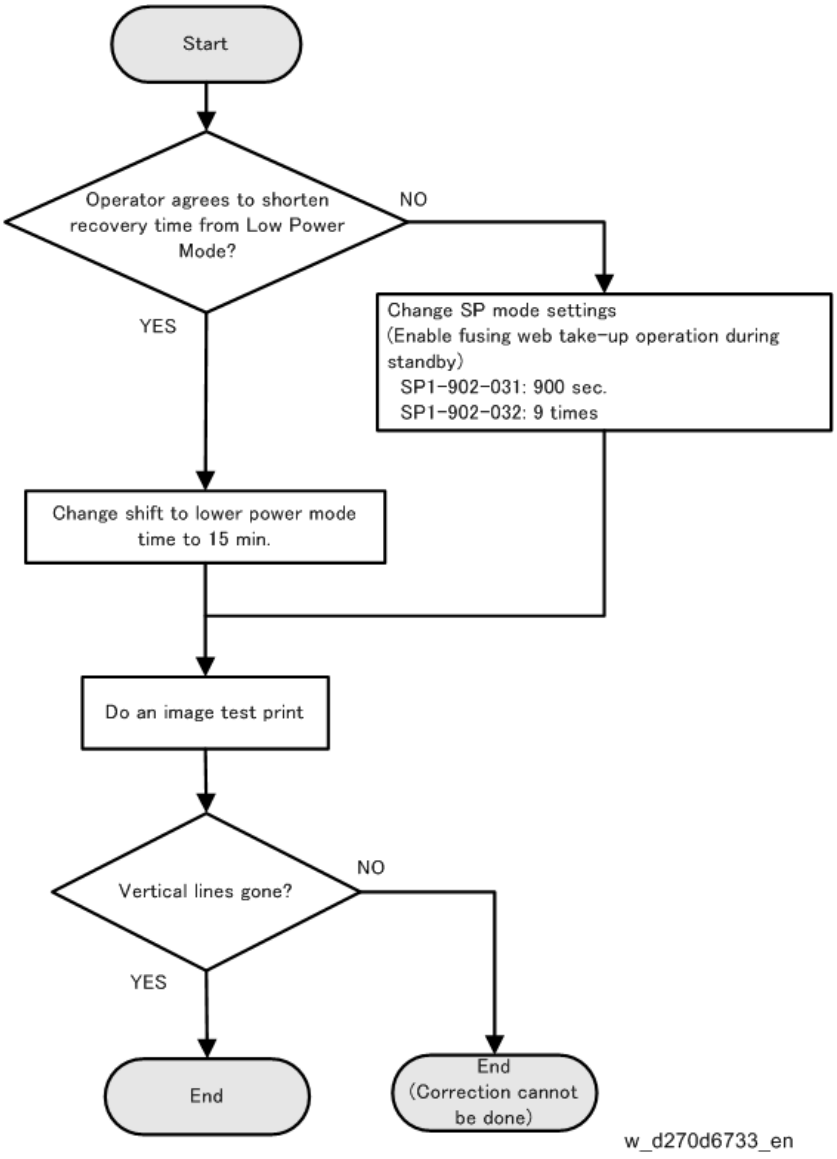


d270d6732

Cause:

During Standby Mode, the hot roller and pressure roller are rotated at intervals in order to maintain the fusing temperature. This rotation can cause a small amount of friction between the pressure roller and cleaning web, causing tiny scratches on the surface of the pressure roller and particles to collect on the web. These minute particles on the surface of the web can transfer to the paper surface and cause black streaks in images.

Solution:



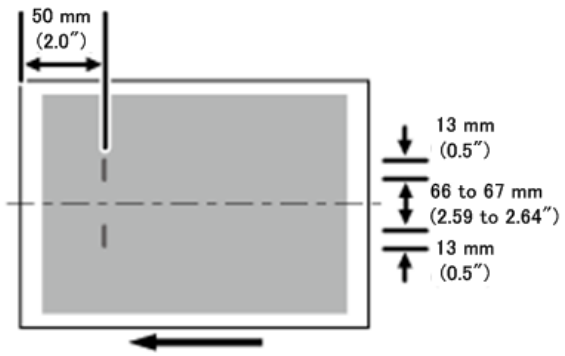
Note

Changing these settings can shorten the service life of the cleaning web because the machine will occasionally take up the web during Standby Mode.

If the operator is experiencing this problem, advise them to switch the machine off rather than allowing it to stand idle for long periods in Standby Mode. If the machine is not being used at night, they should be advised to turn it off.

Two 13-mm Long Vertical Streaks

Two 13-mm long vertical streaks appear within 50 mm (2.0 inches) from the leading edge.



d1798007

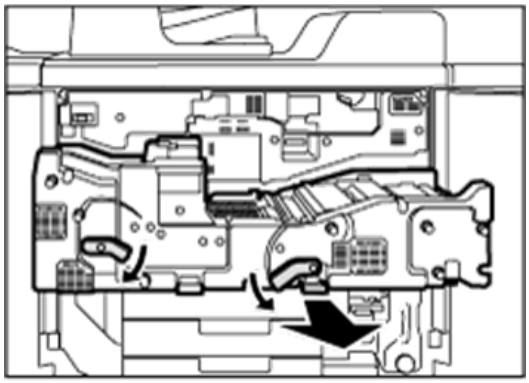
Cause:

The invert exit drive rollers or invert exit idle rollers in the drawer are dirty. This may occur if sheets are delivered face down after one-sided printing.

Solution:

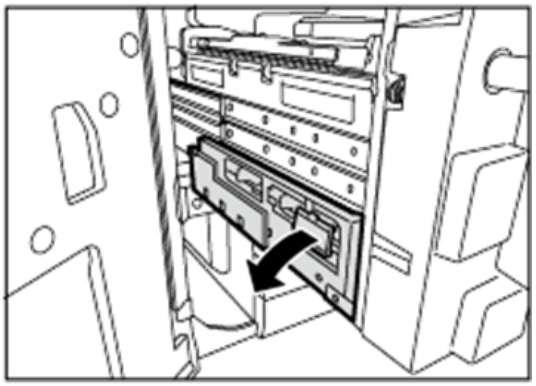
Clean the rollers, sensors, and guide boards in the drawer.

1. Make sure that the system is turned off and the machine power cord is disconnected from the power source.
2. Open the front covers.
3. Lower the levers **C1** and **C2**, and then pull the drawer out completely until it stops.



d1798008

4. Pull down and open the cover **D4**.



d1798009

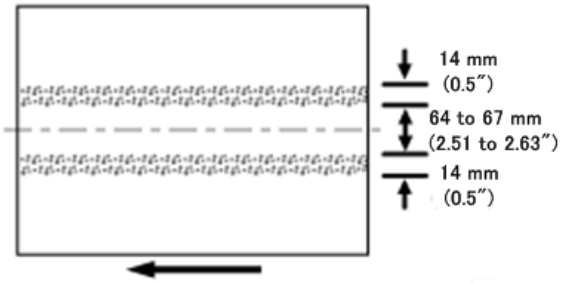
5. Clean the rollers, sensors, and guide boards. (Cleaning the Paper Feed Path)

d1798010

6. After cleaning, restore the machine so that it resumes operation.

Two 14-mm Wide Streaks

Two 14-mm wide streaks parallel to the paper feed direction appear.



d1798011

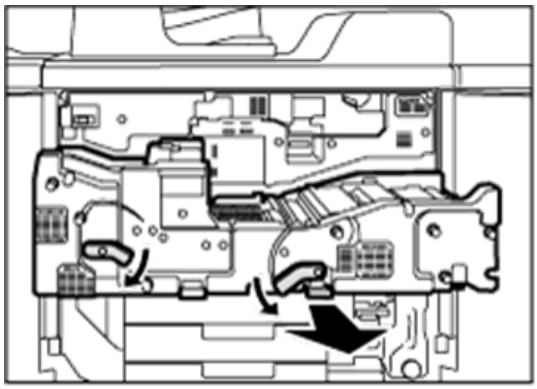
Cause:

The exit drive rollers, exit idle rollers, exit relay drive rollers, or exit relay idle rollers in the drawer are dirty.

Solution:

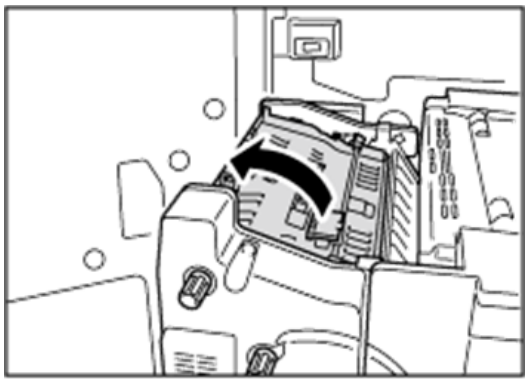
Clean the rollers, sensors, and guide boards in the drawer.

1. Make sure that the system is turned off and the machine power cord is disconnected from the power source.
2. Open the front covers.
3. Lower the levers **C1** and **C2**, and then pull the drawer out completely until it stops.



d1798012

4. Pull up and open the cover **D3**.



d1798013

5. Clean the rollers while turning the knob **D1**. Clean the sensors and guide boards. (Cleaning the Paper Feed Path)

d1798014

6. After cleaning, restore the machine so that it resumes operation.

Stained Paper Edges

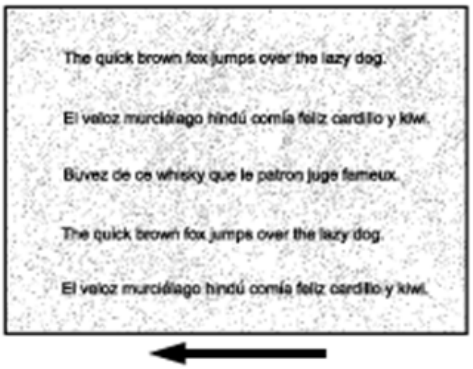
Solution:

1. If the paper edges are stained, check for insufficient toner fusing. (Insufficient Toner Fusing)

Stained Background

Random "powdered" dots appear, creating a dirty background. The background may be partially or completely stained.

Completely stained background



d1798015

Partially stained background

d1798016

Cause:

This may occur because of wearing of the developer, drum unit, or drum charge unit.

Solution:

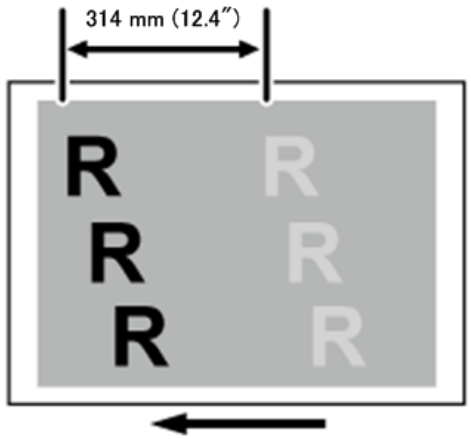
1. If a message prompting replacement of a unit has appeared, replace the unit.
2. In the Machine: Image Quality group on the Adjustment Settings for Skilled Operators menu, select Adjust Image Density and execute Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
3. Print the image. Is the problem resolved?

Yes	Finished!
No	On the machine operation panel: Maintenance > Adjustment Settings for Skilled Operators > Execute Process Initial Setting. (SP3-020-001: Process Setup :Ex Execute: ALL)

4. If the problem persists, consult the product specialist.

Ghosting

A ghost of the image appears at a distance of 314 mm (12.4 in.) to the side of the image.



d1798017

Cause:

The image transfer current is transmitted to the drum, where a potential difference occurs between a developed area and non-developed area and causes the image to be reproduced.

This may occur if:

- Solid filled images or bold characters are printed in black on a halftone background
- Printing is done at low temperature or humidity
- Many screening lines are used

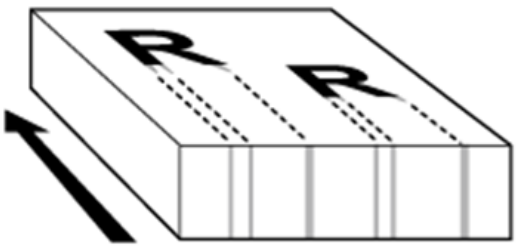
Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators >Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Scratched Images and Stained Paper Edges

Scratched images or soiled paper edges appear.



d1798018

Cause:

When a relatively stiff, thick paper is delivered, the entrance guide board for the transfer unit is warped toward the ITB due to the stiffness of the paper. The edge of the entrance guide board comes into contact with the toner on the belt to cause images to be scratched and paper edges to be soiled.

This may occur if:

- Paper with a thickness equivalent to Paper Weight 7 is used
- Paper with its grain parallel to the paper feed direction is used. For example, A3/DLT long grain paper is delivered, A4/LT short grain paper is delivered from its long edge, or A4/LT long grain paper is delivered from its short edge.
- Paper is stored at low temperature or humidity

Solution:

Change the direction of paper grain for paper delivery.

Note

- When storing paper at low humidity, wrap the paper in coated paper or a plastic sheet.

Back Sides of Sheets Dirty after an NCR Print Job

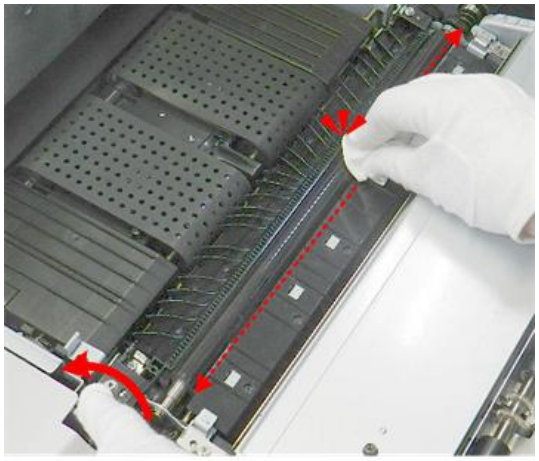
After a long, continuous print job with NCR paper, you may find that on the next job with normal paper the back sides will be stained and dirty.

Cause

Particles are clinging to the paper transfer roller.

Solution

1. Open the front doors, and then pull out the drawer.
2. While rotating the front gear with your left hand as shown, clean the transfer roller with a dry, clean cloth.



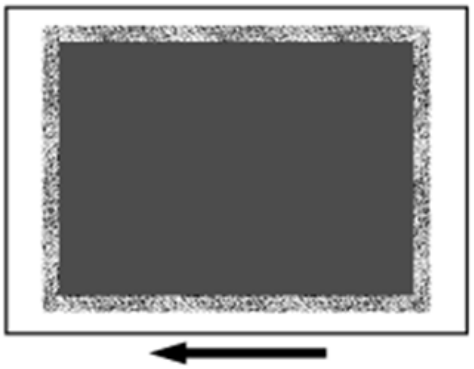
d1791718

3. If this does not solve the problem, replace the paper transfer roller.

Toner Scatter

Toner Scatter 1 (Around Edge of Solid Fill)

Toner is scattered around a solid-fill print.



d1798019

Cause:

This may occur if printed at low temperature or humidity.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper.

Solution:

Check both sides of the printed sheet to see which side is affected.

- If only Side 1 (front side) is affected, do Procedure (a).
- If only Side 2 (back side) is affected, do Procedure (b).
- If both sides are affected, do Procedure (a), and then do Procedure (b).

(a) Toner scatter on Side 1 only

1. In Advanced Settings for the custom paper in use, increase the absolute value of the negative current by 5% in Paper Transfer Current Setting: Side 1. (SP2-811-001 to 100: PTR Current:Side1 Custom Paper 001 to 100)

   Example: If the present current is -40 uA, change it to -42 uA.
2. Print the image. Is the problem resolved?

Yes	Finished! (Do Procedure (b) if the back side is also affected.)
No	Increase the setting another 5%.

3. If repeating Step 2 does not solve the problem, consult the product specialist.

(b) Toner scatter on Side 2 (or both sides)

1. In Advanced Settings for the custom paper in use, increase the absolute value of the negative current by 5% in Paper Transfer Current Setting: Side 2. (SP2-812-001 to 100: PTR Current:Side2 Custom Paper 001 to 100)

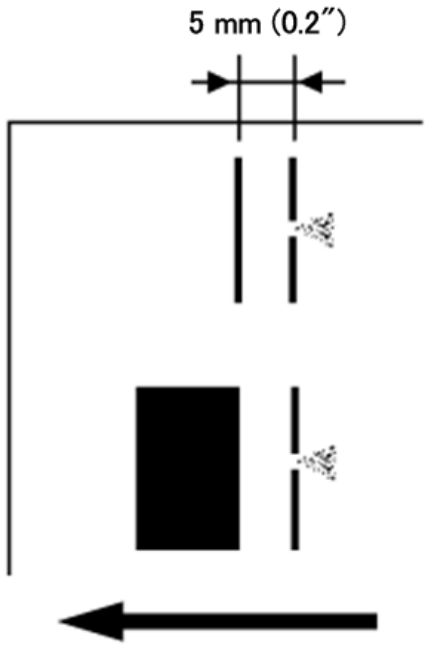
   Example: If the present current is -40 uA, change it to -42 uA.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Increase the setting another 5%.

3. If repeating Step 2 does not solve the problem, consult the product specialist.

Toner Scatter 2 (Trailing Scatter)

Parts of a line that is 5 mm (0.2 inches) or less from an image exhibit splatter.



d1798020

Cause:

Air contained between images is compressed and blows off parts of a line. This may occur if:

- Printing is done at high temperature or humidity
- Using coated or other slippery paper
- Printing line images at less than 5 mm (0.2 inches) intervals

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper.

Solution:

The solution depends on the area in which the line splatter occurs. If the splatter occurs 15 mm (0.6 inches) or less from the leading edge, follow Procedure (a) or follow Procedure (b).

1. Toner scatter appears within 15 mm (0.6 inches) of the leading edge
2. Ask the client if the image start position can be shifted more that 15 mm away from the leading edge.

Yes	Go to the next step.
No	Use different paper.

3. Adjust the image position. In Advanced Settings for the custom paper in use:
   - Specify Adj Image Position of Side1 With Feed for the side 1 of the paper. Adjust in the "+" direction. (SP1-950-001 to 100: Image Pos:Sub:Side1 Custom Paper 001 to 100)
   - Adj Image Position of Side2 With Feed for the side 2. Adjust in the "–" direction. (SP1-951-001 to 100: Image Pos:Sub:Side2 Custom Paper 001 to 100)

4. Adjust the mask width at the leading edge. In Advanced Settings for the custom paper in use, specify Adjust Erase Margin of Leading Edge. (SP2-122-001 to 100: Erase Margin Adj Leading Edge Custom Paper 001 to 100).
5. Adjust the file's leading edge margin.
   - Shift the image more than 15 mm (0.6 inches) away from the trailing edge.
   - For details about adjusting the shift image and adjusting the mask width at the leading edge, see the TCRU manual "Adjustment Item Menu Guide".
   - If you cannot increase the leading edge margin to more than 15 mm (0.6 inches), consult the product specialist.

b) Line splatter appears 16 mm (0.6 inches) (or more) from the leading edge

1. In Advanced Settings for the custom paper in use, select Image Transfer Current Setting. (SP2-817-001 to 100: ITB Voltage Custom Paper 001 to 100)
2. Check the present value. Is it the upper limit?

Yes	Go to Step 5.
No	Go to the next step.

3. Increase the absolute value of the current by 5 uA in Image Transfer Current Setting.
4. Print the image. Is the problem resolved?

Yes	Finished!
No	Increase the value by 5 uA. If the problem persists even though you have increased the value to the upper limit (150 uA), go to the next step.

5. Does the client mind if image density is lower?

Yes	Go to the next step.
No	Use different paper.

6. In Advanced Settings for the custom paper in use, select Adjust Toner Adhesion. (SP3-921-001 to 100: Procon Target M/A Custom Paper 1 to 100)
7. Check the present value. Is it the lower limit?

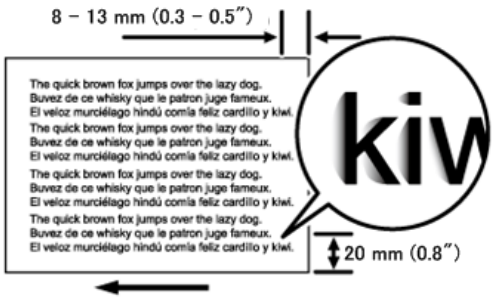
Yes	Consult the product specialist.
No	Decrease the value by 1 in Adjust Toner Adhesion.

8. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 5 to 7. If the problem persists even though you have decreased the value to the lower limit, consult the product specialist..

Toner Scatter 3 (Blemished Line or Character)

Parts of a line or character exhibit splatter. This may occur in a line or character that is 8 to 13 mm (0.3 to 0.5 inches) from the trailing edge and 20 mm (0.8 inches) or less from the left edge facing the paper feed direction.



d1798021

Cause:

Shock jitter occurs when the trailing edge of the paper leaves the paper guide during paper transfer and causes toner scattering. This may occur if paper with a thickness equivalent to Paper Weight 4 or higher is used.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see “3. Custom Paper Settings for Administrator” in the TCRU “Adjustment Item Menu Guide”.
- Changing the transfer current may produce either or both of the following side effects: 1) Reduction in toner yields, 2) Occurrence of banding (streaks)

Solution:

1. In Advanced Settings for the custom paper in use, select Image Transfer Current Setting. (SP2-817-001 to 100: ITB Voltage Custom Paper 001 to 100)
2. Check the present value. Is it lower than 100 uA?

Yes	Carry out all of the following: (1) Increase the value by 5 uA in Image Transfer Current Setting. (2) Set Paper Transfer Current; Trail Edge to "200%". (SP2-815-001 to 100: Trail Edge Corr Coef:2nd Custom Paper 001 to 100) (3) Set Paper Transfer Current; Trail Edge Dist to "30 mm". (SP2-816-001: Trail Edge Corr Switch:2nd Custom Paper 001)
No	Consult the product specialist.

3. Print the image. Is the problem resolved?

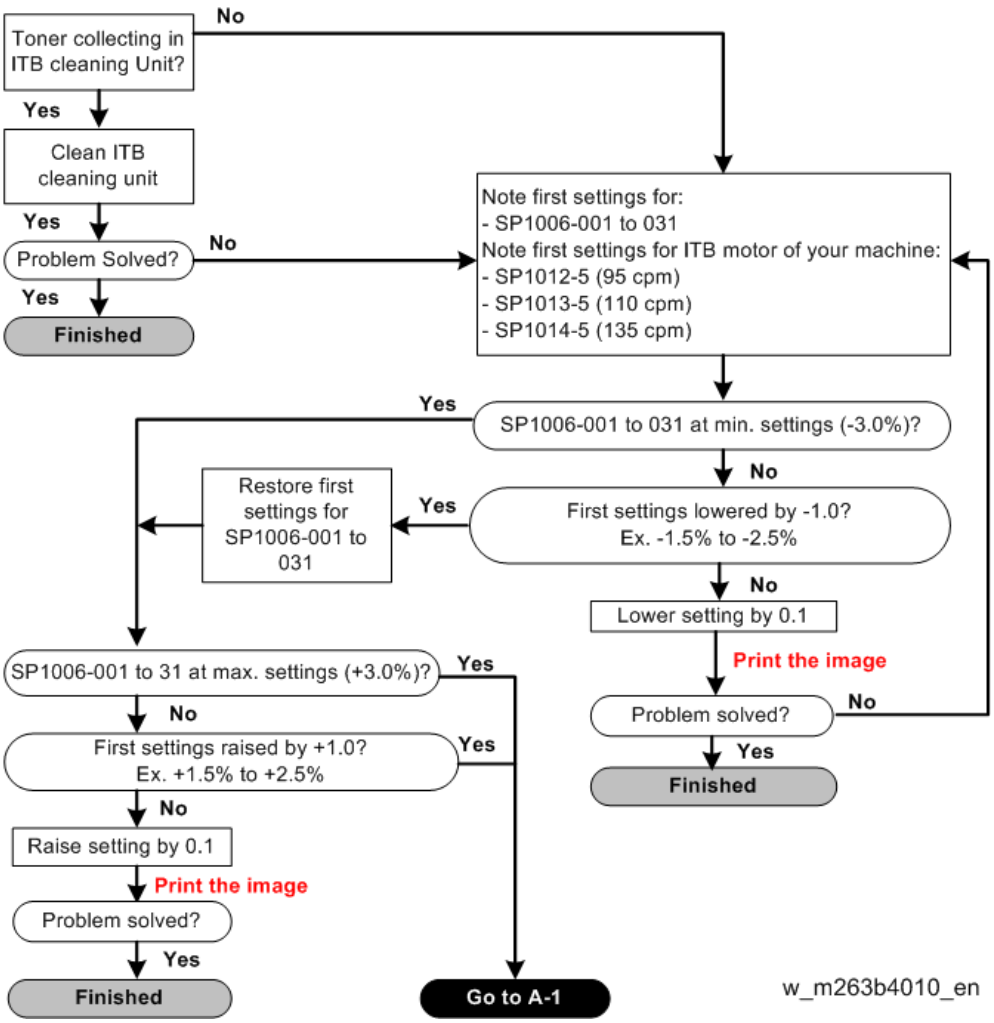
Yes	Finished!
No	Repeat Steps 1 to 3. If the problem persists even though you have increased the value to 100 uA, consult the product specialist.

Toner Scatter 4

Cause:

The belt cleaning unit entrance seal in contact with the ITB prevents toner scatter, but toner can still accumulate on the surface of the belt. Also, toner scatter occurs more easily as the adhesion of toner to the belt weakens when the belt nears the end of its service life. When printing under these conditions, the vibration from operation of the drive system can cause more toner scatter when using some types of paper.

Solution:


Toner collecting in ITB cleaning Unit?
No
Yes
Clean ITB cleaning unit
Yes
Problem Solved?
No
Yes
Finished
Note first settings for:
- SP1006-001 to 031
Note first settings for ITB motor of your machine:
- SP1012-5 (95 cpm)
- SP1013-5 (110 cpm)
- SP1014-5 (135 cpm)
Yes
SP1006-001 to 031 at min. settings (-3.0%)?
No
Restore first settings for SP1006-001 to 031
Yes
First settings lowered by -1.0?
Ex. -1.5% to -2.5%
No
Lower setting by 0.1
Print the image
Problem solved?
No
Yes
Finished
SP1006-001 to 31 at max. settings (+3.0%)?
Yes
No
First settings raised by +1.0?
Ex. +1.5% to +2.5%
Yes
No
Raise setting by 0.1
Print the image
Problem solved?
Yes
Finished
Go to A-1
w_m263b4010_en

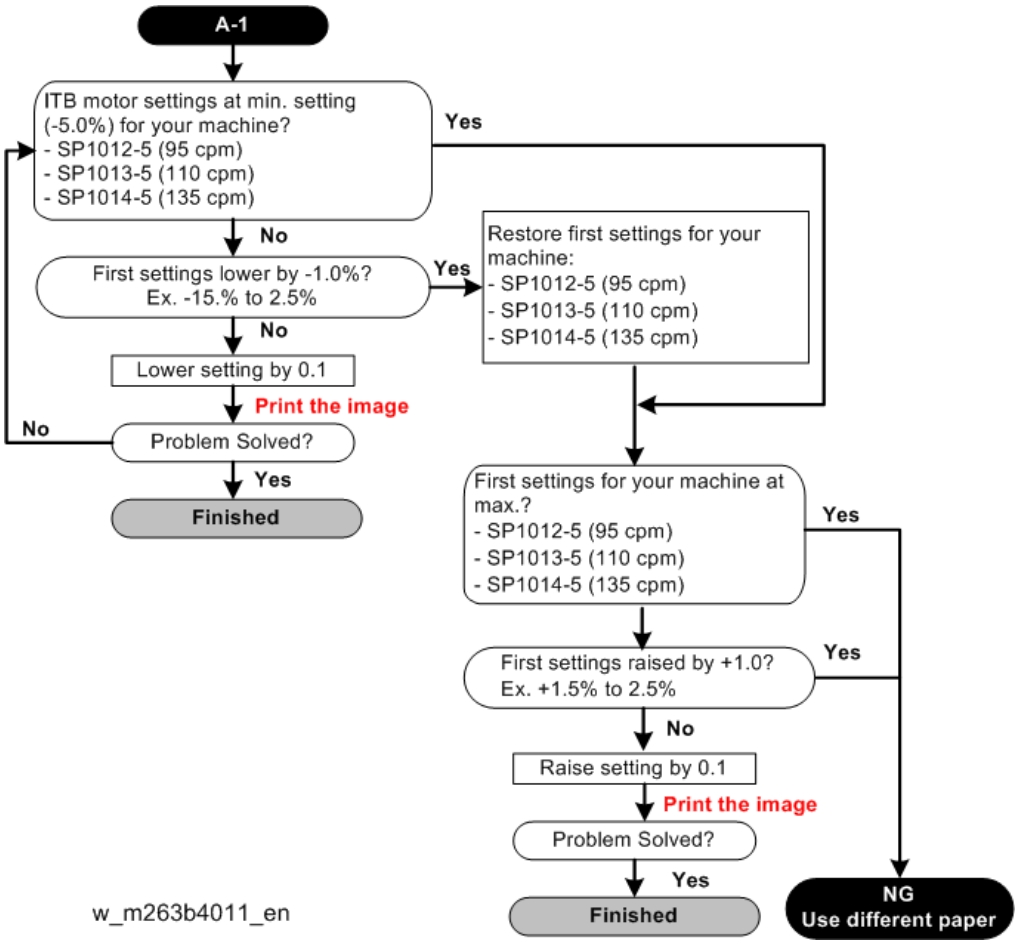
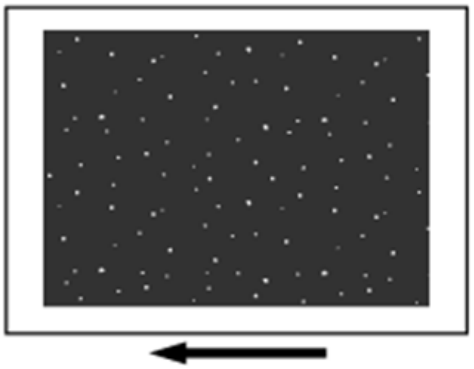


Image Loss

White Spots 1

White spots of 0.2–0.3 mm (0.008–0.01 inches) in diameter appear.



d1798022

Cause:

This may occur if printed at low temperature or humidity.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see “3. Custom Paper Settings for Administrator” in the TCRU “Adjustment Item Menu Guide”.

- If you reduce the paper transfer current to eliminate white spots, copies may become too faint.

Solution:

Check both sides of the paper for the problem.

- If the problem appears only on Side 1 do Procedure (a).
- If the problem appears only on Side 2, do Procedure (b).
- If the problem appears on both sides of the paper, do Procedure (a), and then do Procedure (b).

Procedure (a) White Spots on Side 1

1. Adjust the setting for the side 1 of the paper. In Advanced Settings for the custom paper in use, decrease the absolute value of the negative current by 5% in Paper Transfer Current Setting: Side 1. (SP2-811-001 to 100: PTR Current:Side1 Custom Paper 001 to 100)

   Example: If the present current is -40 uA, change it to -38 uA.
2. Print the image. Is the problem resolved?

Yes	Finished! If Side 2 was also affected do Procedure (b).
No	Lower the setting by 5%.

3. Repeat Step 2. If this does not solve the problem, consult the product specialist.

Procedure (b) White Spots on Side 2

1. Adjust the setting for the side 2 of the paper. In Advanced Settings for the custom paper in use, decrease the absolute value of the negative current by 5% in Paper Transfer Current Setting: Side 2. (SP2-812-001 to 100: PTR Current:Side2 Custom Paper 001 to 100

   Example: If the present current is -40 uA, change it to -38 uA.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Lower the setting another 5%.

3. If repeating Step 2 does not solve the problem, consult the product specialist.

White Spots 2

Random white specks appear in shaded areas.

d1808008

Cause:

The charge on the image transfer roller is high, and the problem is caused in the area before or in the roller nip. This can occur if the machine is in an area where ambient temperature and humidity are very low.

Solution:

Do the procedures below if the reading for the level of resistance at the image transfer roller or paper transfer roller is "R+3". Be sure the check the resistance of both rollers..

Procedure (a) Problem at Image Transfer Roller

1. Check the resistance level of the image transfer roller with **SP2-312-001** (Current Resist Level Disp ITB).
2. If the value of **SP2-312-001** is "R+3", connect the ITB unit heater and allow the machine to remain idle for one hour.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

4. Replace the image transfer roller.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Procedure (b) Problem at Paper Transfer Roller

1. Check the resistance level of the paper transfer roller with **SP2-322-001**: Current Resist Level Disp PTR.
2. If the value is “R+3”, replace the PTR unit.
3. Print the image. Is the problem resolved?

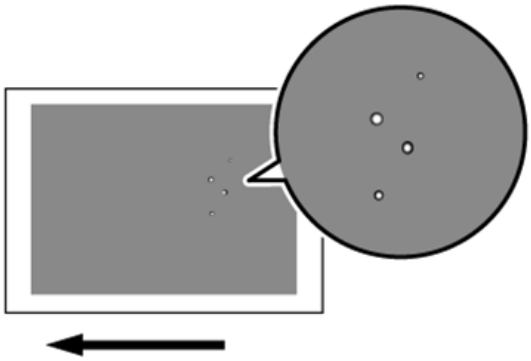
Yes	Finished!
No	Go to the next step.

4. Replace the paper transfer roller.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

White Spot Blisters

White spots 0.3–0.5 mm (0.01–0.02 inches) in diameter surrounded by denser spots (blister-like white spots) appear.



d1798023

Cause:

This may occur if a solid image is printed on coated paper, if a solid image is printed during duplex printing, or if printing is done at low temperature.

Solution:

If these white spots appear, check for insufficient toner fusing. (Insufficient Toner Fusing)

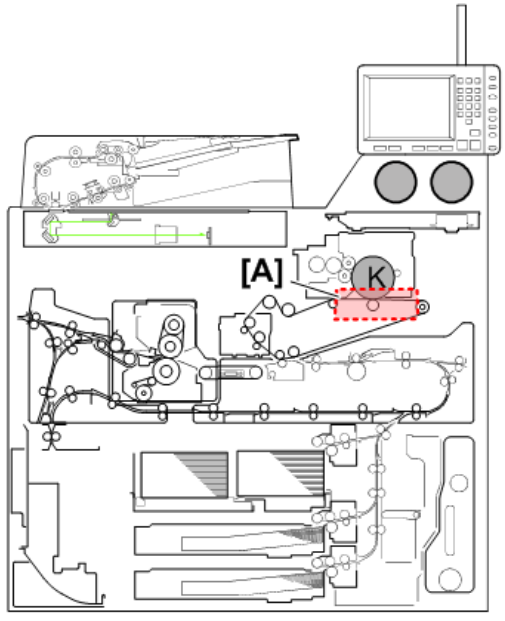
Granular Spots in Colors

Cause

This refers to granular spots that can occur in large areas of color or half-tone coverage in images, and resemble tendrils like a display of fireworks. If these appear in half-tones, or in blank areas of images, this could mean accumulated toner is causing uneven spots.

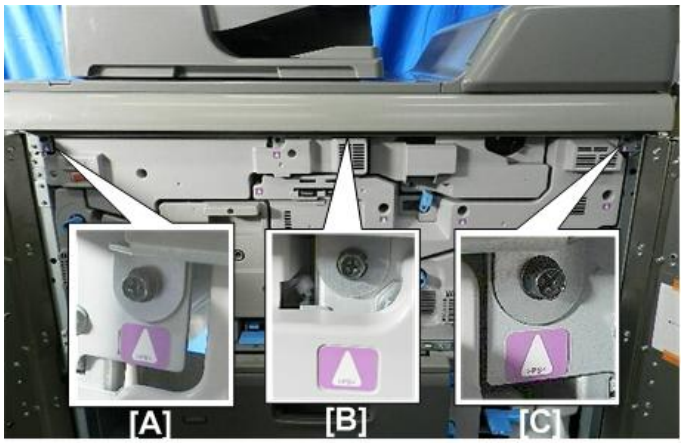
Solution

The stay below the development unit is dirty. Inspect and clean [A] below the PCDU.



d270d3209

1. Disconnect the front edge cover at [A], [B], and [C].

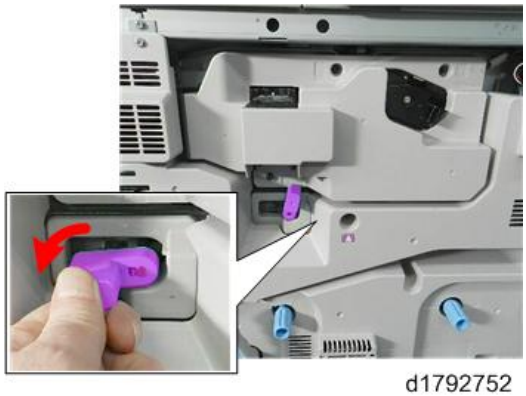


d1792750

2. Remove the front edge cover.

d1792751

3. Lower the ITB lever to lower the ITB.



d1792752

4. Depress tab [A] and then remove the CGB unit [B].

Important

To avoid damage to the CGB sensor and harness connector, the CGB unit must always be removed before the PCDU is removed.

d1792902

5. Lay the CGB unit on a flat clean surface with the grid facing up.

d1792903

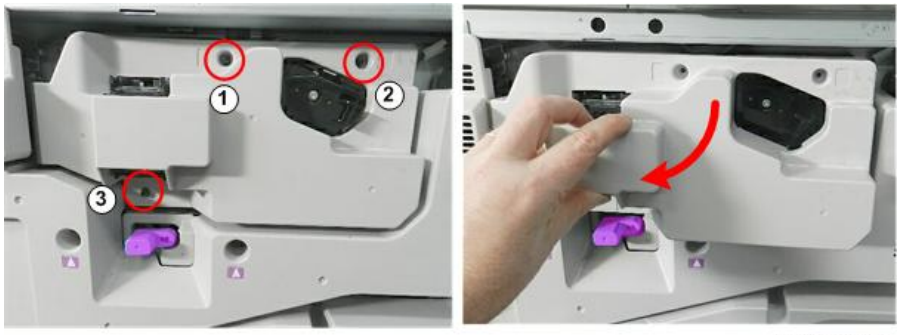
Important

Never lay the CGB unit with the grid side down.

6. Detach the PCDU cover (x3).

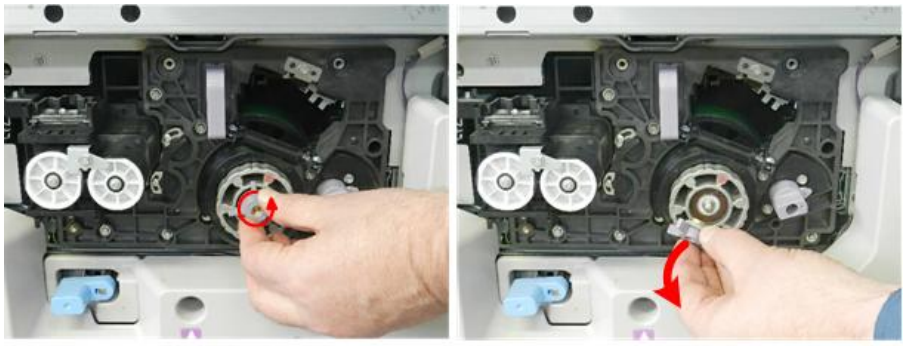
Note

When you reattach the cover, be sure to attach the screws in this order: Center, Right, Lower Left



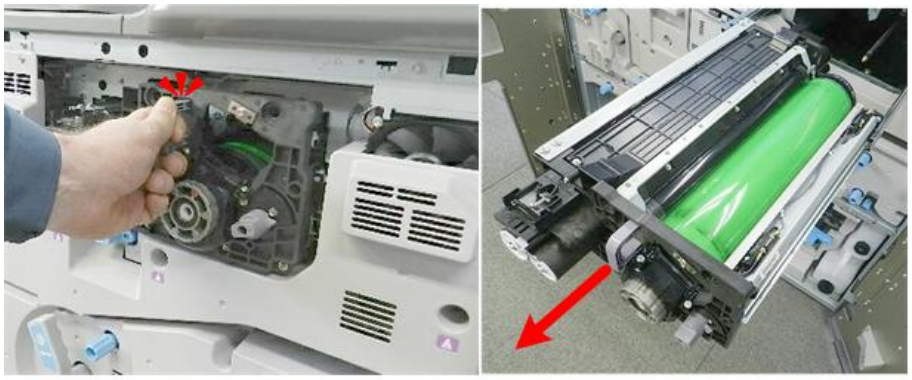
d1792753

7. Turn the knob on the end of the drum shaft counter-clockwise, and then remove it.



d1792905

8. Grip the small handle as shown, and then pull out the PCDU until it stops.



d1792906

9. Use a clean cloth, blower brush, or vacuum cleaner to clean the stay below the PCDU.

d270d3213

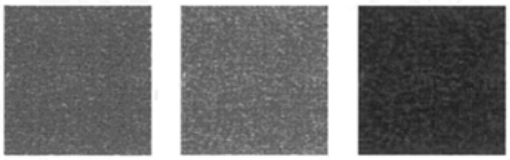
Mottling

Mottling occurs in solid-filled areas.

Normal

d1798024

Mottled



d1798025

Cause:

The transfer electric field in the indentations in the paper is weak, causing a decrease in image transfer. This may occur when:

- Using paper with a rough surface
- Continuously printing an image that consumes little toner
- Printing at high temperature or humidity

Solution:

Before you perform the solution procedure, make sure that thePM parts have not reached their expiration period. If the PM parts have reached the end of their service life, replace them.

1. Check to see if any PM parts have exceeded the expiration date.

Yes	Replace parts that have exceeded service life.
No	Go to the next step.

2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
4. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

5. Print 100 full-page, solid-fill A4 or LT sheets. Is the problem resolved?

Yes	Finished!
No	Reload with paper that is dry.

6. Print the image. Is the problem resolved?

Yes	Finished!

No	Replace the paper with smoother paper.

7. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

8. Is the paper smaller than A4 SEF (210 mm)?

Yes	Go to the next step.
No	Go to Step 10.

9. Use wider paper. Is the problem resolved?

Yes	Do the procedure in the next section: “Rough Images with Paper Smaller Than A4 SEF (210 mm)”
No	Go to the next step.

10. In Advanced Settings for the custom paper in use, select Adjust Toner Adhesion and check the setting. (SP3-921-001 to 100: Procon Target M/A Custom Paper 1 to 100)
11. Is the setting for coverage (M/A) at the upper limit?

Yes	Use different paper.
No	Raise the setting one point.

12. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 11, 12. If this does not solve the problem, do the next step.

13. Open the SC log. Is there a logged SC code?

Yes	If either of the following SC codes were logged, do the procedure to solve the problem: • SC443-00: Image Transfer Roller Error • SC453-00: Paper Transfer Roller Error
No	Go to Step 15

14. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

15. Is it possible to raise the toner density setting?

Yes	In Advanced Settings for the paper in use, select Adjust Toner Adhesion, and raise the setting (+). (SP3-921-001 to 100: Procon Target M/A Custom Paper 1 to 100
No	Consult the product specialist.

16. Print the image. Is the problem resolved?

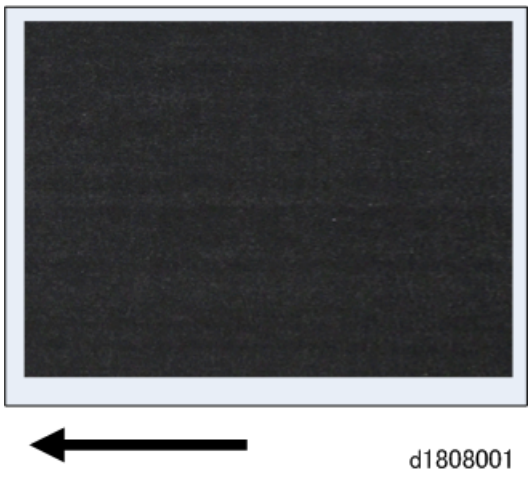
Yes	Finished!
No	Consult the product specialist.

Note

- Adjust the toner adhesion setting carefully. Raising the toner adhesion setting increases the amount of toner consumption and reduces toner yield.

Rough Images with Paper Smaller Than A4 SEF (210 mm)

Texture of filled image areas appears rough.



Cause:

Paper with a smaller width leaves more of the roller exposed where there is no paper, and this allows leakage of charge from the transfer electrical field thus reducing the efficiency of image transfer. This effect can also occur when:

- Ambient temperature and humidity are low
- Paper is extremely thick
- Electrical resistance of paper is high
- Duplex printing (occurs on Side 2).

Note

- Please remember that before it can be used, paper requires setting by the operator, especially if adjustments for a different type of paper (custom paper) are used.

Solution:

Check duplex prints and determine on which side the problem occurs. If the problem is occurring on both sides, do the adjustment for Side 1 first and then the adjustment for Side 2.

1. In Advanced Settings for the custom paper in use, check the settings for Paper Transfer Current Setting: Side 1 (SP2-811-001 to 100: PTR Current:Side1 Custom Paper 001 to 100), or Paper Transfer Current Setting: Side 2 (2-812-001 to 100: PTR Current:Side2 Custom Paper 001 to 100).
2. Either or both settings at the upper limit?

Yes	Go to Step 6
No	Go to the next step.

3. Are the white spots on labels allowed for use by the client?

Yes	Go to the next step.
No	Go to Step 6.

4. Raise the transfer current setting by 5 points.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 2 to 5.

6. Can you change the orientation of the paper (SEF to LEF, for example), or change the paper size (A4 SEF to A3 SEF)?

Yes	Go to the next step.
No	Use a different paper.

7. Use wider paper.
8. Restore the image transfer voltage to its default setting, and then go back to Step 4.
9. If the problem is not resolved, consult the product specialist.

Note

- Raising the image transfer voltage can cause white spots to occur in filled areas, so keep this in mind when doing the adjustments. If white spots appear, make some output samples and choose the best from among the test prints and use those settings.

Rough Images Appear During Low Duty Use

During low duty use of the machine, air can become mixed with the developer/toner mixture during agitation and cause rough patches to appear.

Cause:

When the machine is consistently used for low duty printing, air can mix with the developer/toner mixture during agitation which can cause developer deterioration and cause rough patches to appear in images. Low duty is generally defined when:

- Jobs are consistently 5 pages or less
- Pages have less than 4% coverage

Note

- Please remember that before paper can be used, it requires setting by the operator, especially if adjustments for a different type of paper (custom paper) are used.

Solution

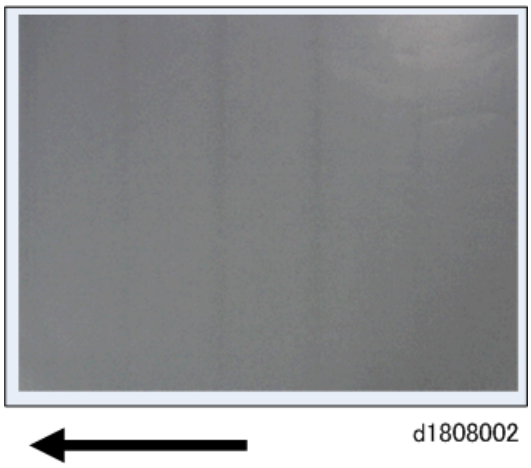
1. Replace the developer.
2. Select Advanced Settings > Main: Image Quality Adjustment > Toner Refresh Mode, and then change the “3” setting to “3.5”. (SP3-820-001 Tnr Refresh Mode Img Area Thresh:K).
3. If the problem persists, consult the product specialist.

Note

- If the toner refresh mode is set to "3" (default), the amount of toner consumed will be equivalent to operating the machine under normal conditions at 6% coverage.
- Raising the setting higher than "3" could increase the occurrence of mottled images, increase toner consumption, and lower toner yield.
- If the setting is set to “3.5”, then under normal operating conditions toner consumption will correspond to about 6.5% total image coverage.

Vertical Lines at 60 mm Intervals

Faint black bands appear at 60 mm (2.4”) intervals vertical to the direction of paper feed.



Cause:

Periodically changing the speed of paper feed can affect the elasticity of images and lead to unevenness in image texture in the shape of black vertical lines. This can also occur when:

- Ambient humidity is high
- Thick paper (above Thickness 3) is used
- There are large areas of halftone coverage

Solution

1. Enter the SP mode.
2. Check the fine adjustment settings of the PTR motor.
   - SP1-012-005: Motor Adj: 95 ppm PTR Motor
   - SP1-013-005: Motor Adj: 110 ppm PTR Motor
   - SP1-014-005: Motor Adj: 135 ppm PTR Motor
3. Check the fine adjustment settings of the transfer timing roller with SP1-006-001 to 31: Fine Adj Trans Tmg Roll Speed (Type): (Weight)
4. Are the settings at their lower limits?

Yes	Go to the next step.
No	Go to Step 8.

5. Is the ambient temperature higher than 23°C (73.4°F)?

Yes	Go to the next step.
No	Use different paper.

6. Is it possible to lower the ambient temperature?

Yes	Lower room temperature.
No	Use different paper.

7. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 6 and 7. If the problem persists, go to the next step.

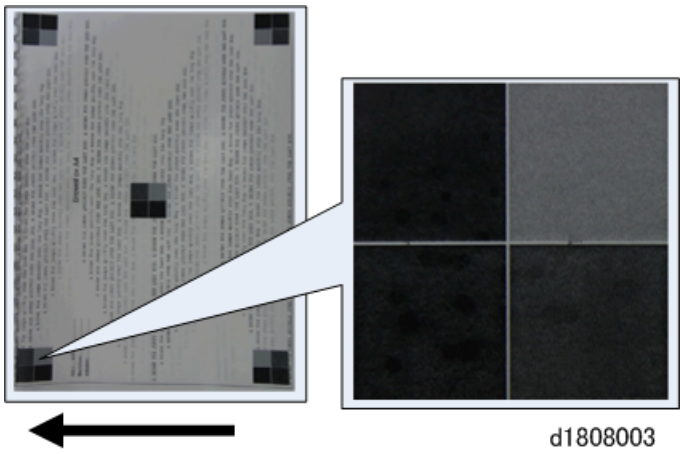
8. Do a fine adjustment of the PTR motor speed (-0.1%)
9. Do a fine adjustment of the image transfer roller speed (-0.1%).
10. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Step 4.

11. If the problem persists, consult the product specialist.

Black Dots Appear on Coated Paper

The special properties of the paper (slick surface, electrical resistance, etc.) can cause black spots and specks to appear.



Cause:

Ambient conditions and special paper characteristics (slick surface, electrical resistance, etc.) can cause too much charge in the electrical field and cause dots to appear. This effect can occur when:

- High temperature, low humidity
- Coated paper is used
- Paper is thin (lower than 3 the scale)
- Halftones are used in fill areas

Note

- Please remember that before paper can be used, it requires setting by the operator, especially if adjustments for a different type of paper (custom paper) are used.

Solution

1. In Advanced Settings for the custom paper in use, check the present value in Image Transfer Voltage and PTR voltage settings.
   - SP2-817-001 to 100: ITB Voltage Custom Paper 001 to 100
   - SP2-811-001 to 100: PTR Current: Side1 Custom Paper 001 to 100
2. Is paper transfer current setting 140 or less?

Yes	Raise the paper transfer current 10 points.
No	Go to Step 4.

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 2, 3. If the problem persists, go to the next step.

4. Set image transfer current to 140.

5. Is the absolute value of the paper transfer current less than 50?

Yes	Use different paper.
No	Go to the next step.

6. Lower the absolute value of the paper transfer current by 10 points.
7. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat from Step 2.

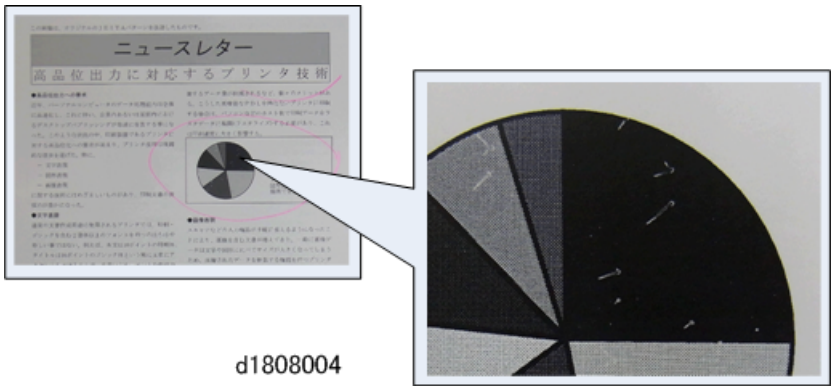
8. If the problem persists, consult the product specialist.

Note

- Adjustment of the image transfer current can cause white spots in images, so adjust carefully. If white spots appear, choose the best print from among the samples and apply the settings used for this test print.
- Adjustment of the paper transfer current can cause image density to fade, so adjust carefully. If images fade, choose the best print from among the samples and apply the settings used for this test print.

Static Traces Appear in Low Temperature, Low Humidity Environments

Dirt and paper scraps in or around the image area can cause static trace patterns to appear in the images.



Cause

During paper feed, scraps of paper may collect around the transfer guide or other areas and cause a disturbance in the application of static charge, which can lead to static trace patterns in images. Scattered toner and paper dust in the same areas can also cause discharges and cause the same problem. These problems may occur when:

- Ambient temperature and humidity are low
- Coated paper lower than Thickness 4 is used
- Paper transfer entrance guide is covered with scattered toner or paper dust

Solution

1. Can you raise ambient temperature and humidity?

Yes	Go to next step.
No	Use different paper.

2. Raise ambient temperature and humidity.
3. Do a test print. Is the problem resolved?

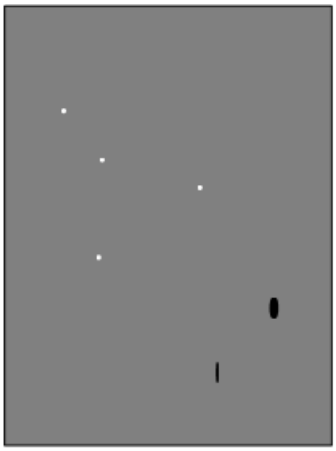
Yes	Finished!

No	Go to the next step.

If the problem persists, consult the product specialist.

Firefly, Comet Patterns

White spots in firefly patterns, or black comet streaking patterns appear.



d1808005

Cause:

Toner clumping can cause white firefly patterns with white spots in the center of kernels. These clumps can also cause degradation in image areas which leads to black, streaked comet patterns. These problems may occur when:

- The machine has remained idle for a long period, especially where ambient temperature was high.
- The machine was moved or shipped and was subjected to severe shock or vibration.
- Toner not used for a long period, especially where ambient temperature was high.

Solution:

1. Print a test sheet at 100% coverage. Do you see firefly or comet patterns?

Yes	Go to the next step.
No	Finished!

2. Print 350 A3 sheets at 100% coverage. Do you see firefly or comet patterns?

Yes	Go to the next step.
No	Finished!

3. Replace toner, and then print 350 A3 sheets at 100% coverage. Do you see firefly or comet patterns?

Yes	Go to the next step.
No	Finished!

4. Replace the toner sub hopper, and then print 350 A3 sheets at 100% coverage. Do you see firefly or comet patterns?

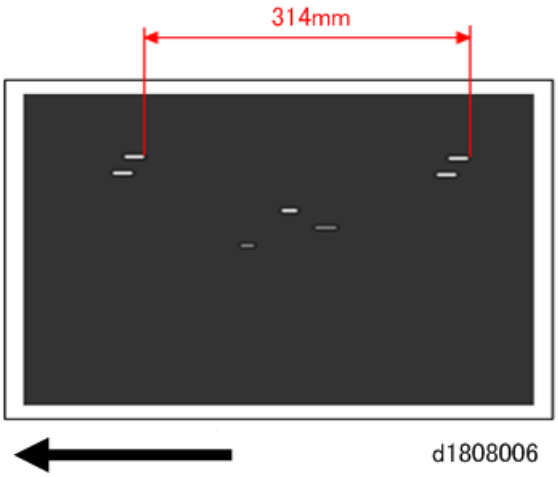
Yes	Go to the next step.
No	Finished!

5. Replace the development unit and the developer, and then print some test prints at 100% coverage. Do you see firefly or comet patterns?

Yes	The problem requires further analysis. Consult the product specialist.
No	Finished!

White Parallel Stripes

Toner or lubricant powder sticking to and accumulating on the surface of the drum are causing white stripes in images.



Cause:

The lubricant powder designed to lubricate the surface of the drum can deteriorate over time, especially with continuous high quality printing. This can allow toner to stick to and collect on the drum surface, leading to parallel white streaks at intervals of about 314 mm (12.5”). Common causes include:

- Continuous high-quality printing
- Worn drum cleaning unit

Solution:

1. Wipe the surface of the drum clean with a dry, clean cloth.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Replace the drum

3. Does the problem re-occur after about 1,000 prints?

Yes	Clean the surface of the drum again, and then go to the next step.
No	Finished!

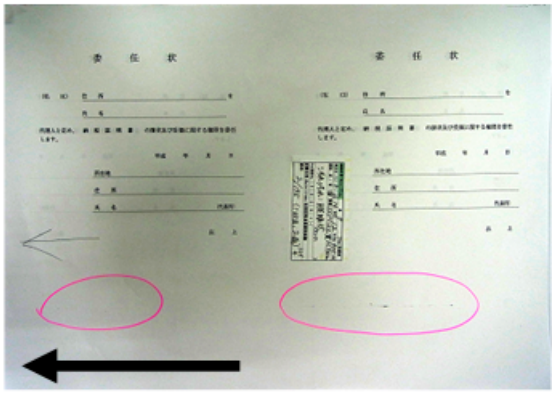
4. Increase the number of drum cleanings.
   - SP2-225-001: Cont High Q Img Print Mode Mode Selection. Change “0” (Default) to “1”.
   - SP2-225-003: Cont High Q Img Print Mode Thresh:2. Change “80” (Default) to “0”.
5. Did the problem re-occur after about 1,000 prints?

Yes	Reset the SP codes to their default settings, and then replace the drum and the drum cleaning unit.
No	If the client is consistently using print long print jobs set for high-quality printing, be sure to set the SP codes as shown in Step 4.

6. If the problem persists, consult the product specialist.

Edge Toner Scatter

Toner falls onto the edge of the image from the image transfer belt.



d1808007

Cause:

Toner falls from the ITB cleaning unit onto the paper near the edge of the image. Normally, this problem does not appear, but can occur if the cleaning blade or other component in the cleaning unit is defective and allows toner to fall at the image starting point on the paper. Even if the toner does not fall directly onto the paper but into the paper transport path, the toner can be transferred to the paper passing below the ITB.

Solution:

1. Clean the paper transport path.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. Did a paper jam occur at the entrance of the ITB cleaning unit?

Yes	Replace the cleaning blade in the ITB cleaning unit.
No	Go to Step 6.

4. Print the image. Is the problem resolved?

Yes	Finished!
No	Replace the ITB cleaning unit.

5. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

6. Clean the ITB unit guide plate, PTR unit, development unit, drum cleaning unit, belt cleaning unit, ribs, and rollers.
7. If the problem persists, consult the product specialist.

Density Problems

Uneven Image Density

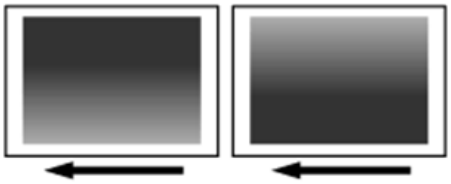
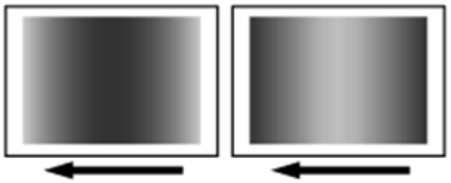
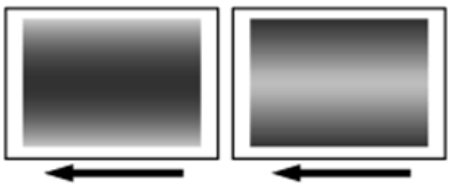
The density is uneven.

Solution:

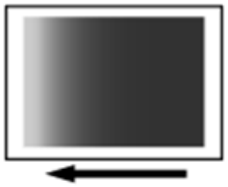
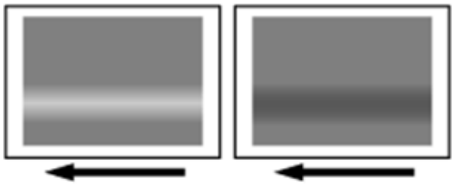
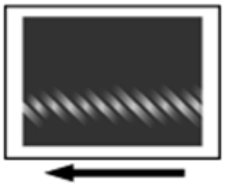
The solution depends on the type of unevenness. Carry out the appropriate procedure from those in the following

table:

(A) The density is uneven across the entire image.

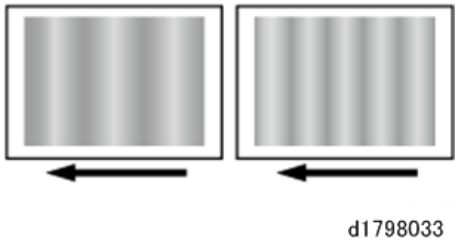
The density from top to bottom is uneven.	 d1798026
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, do the procedure for uneven density from top to bottom. (Uneven Density from Top to Bottom)
The sides are fainter or denser.	 d1798027
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual . Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, consult the product specialist.
The top and bottom are fainter or denser.	 d1798028
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, consult the product specialist.

(B) The density is uneven in a part of the image.

The leading edge is fainter.	 d1798029
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, do correction for Fainter Leading Edge. (Fainter Leading Edge)
The trailing edge is fainter.	 d1798030
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, do correction for Fainter Trailing Edge. (Fainter Trailing Edge)
The center is fainter or denser	 d1798031
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, consult the product specialist.
Wavy unevenness	 d1798032
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)

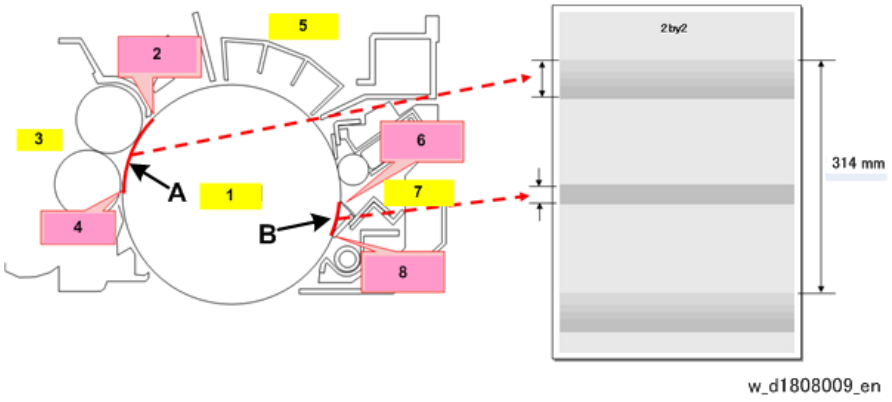
	• If the problem persists, consult the product specialist.

(C) The density is uneven in the direction perpendicular to the paper feed direction at regular intervals.

Periodic vertical density fluctuation	
	• On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment) • If the problem persists, do correction for Periodic Density Fluctuation. (Periodic Density Fluctuation)

Density Change at Low Temperatures

When printing images with halftone fill, uneven density appears at locations where there are open spaces.



1	Drum
2	Development Entrance Seal
3	Development Unit
4	Development Roller (Lower)
5	Charge Unit
6	Lubrication Mylar
7	Drum Cleaning Unit
8	Drum Cleaning Blade

Cause:

With 2by2 or 4by4 halftone images, the density becomes uneven at the open gaps [A] at the development unit and [B] at the drum cleaning unit.

- Uneven density can appear at the upper and lower position where the image could become partially lighter or darker.
- If differences in temperature and humidity develop between the open and closed spaces around the

circumference of the drum (314 mm), this can cause fluctuation in the electrical potential of the drum charge after image exposure and easily create changes in density.

- This problem can easily occur where humidity is low.

Solution

1. Is the absolute humidity above 2.6? (The absolute humidity in the lookup table below is calculated from the temperature and relative humidity.)

Yes	Consult the product specialist.
No	Go to the next step.

2. Can the ambient temperature and humidity be adjusted?

Yes	Go to the next step.
No	Consult the product specialist.

3. Raise the temperature so that absolute humidity is above 2.6.
4. Adjust ambient conditions so that the work site is above 15°C (59°F) 30% rH.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Lookup Table for Calculating Absolute Humidity

Absolute humidity is calculated from ambient temperature and relative humidity based on the lookup table below. The areas within the heavy red line in the table below indicate values where quality is assured. To prevent uneven image density, absolute humidity should be above 2.6 within the red shaded areas.

Units: g/m³

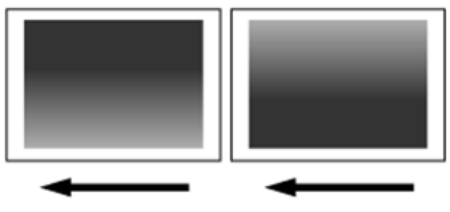
Temp. °C	Relative Humidity [%RH]									
	5	10	15	20	25	30	35	40	45	50
5	0.34	0.68	1.02	1.36	1.70	2.04	2.38	2.72	3.06	3.40
6	0.36	0.73	1.09	1.45	1.82	2.18	2.55	2.91	3.27	3.64
7	0.39	0.78	1.16	1.55	1.94	2.33	2.72	3.11	3.49	3.88
8	0.41	0.83	1.24	1.66	2.07	2.48	2.90	3.31	3.73	4.14
9	0.44	0.88	1.32	1.77	2.21	2.65	3.09	3.53	3.97	4.42
10	0.47	0.94	1.41	1.88	2.35	2.82	3.29	3.77	4.24	4.71
11	0.50	1.00	1.50	2.01	2.51	3.01	3.51	4.01	4.51	5.01
12	0.53	1.07	1.60	2.14	2.67	3.20	3.74	4.27	4.80	5.34
13	0.57	1.14	1.70	2.27	2.84	3.41	3.98	4.54	5.11	5.68
14	0.60	1.21	1.81	2.42	3.02	3.63	4.23	4.83	5.44	6.04
15	0.64	1.28	1.93	2.57	3.21	3.85	4.50	5.14	5.78	6.42
16	0.68	1.36	2.05	2.73	3.41	4.09	4.78	5.46	6.14	6.82
17	0.72	1.45	2.17	2.90	3.62	4.35	5.07	5.80	6.52	7.25
18	0.77	1.54	2.31	3.08	3.85	4.62	5.39	6.16	6.92	7.69
19	0.82	1.63	2.45	3.27	4.08	4.90	5.71	6.53	7.35	8.16
20	0.87	1.73	2.60	3.46	4.33	5.19	6.06	6.93	7.79	8.66
21	0.92	1.84	2.75	3.67	4.59	5.51	6.42	7.34	8.26	9.18
22	0.97	1.94	2.92	3.89	4.86	5.83	6.81	7.78	8.75	9.72
23	1.03	2.06	3.09	4.12	5.15	6.18	7.21	8.24	9.27	10.30
24	1.09	2.18	3.27	4.36	5.45	6.54	7.63	8.72	9.81	10.90
25	1.15	2.31	3.46	4.61	5.77	6.92	8.07	9.22	10.38	11.53
26	1.22	2.44	3.66	4.88	6.10	7.32	8.54	9.76	10.98	12.20
27	1.29	2.58	3.87	5.16	6.45	7.73	9.02	10.31	11.60	12.89
28	1.36	2.72	4.09	5.45	6.81	8.17	9.54	10.90	12.26	13.62
29	1.44	2.88	4.32	5.76	7.19	8.63	10.07	11.51	12.95	14.39
30	1.52	3.04	4.56	6.08	7.60	9.11	10.63	12.15	13.67	15.19
31	1.60	3.21	4.81	6.41	8.02	9.62	11.22	12.82	14.43	16.03
32	1.69	3.38	5.07	6.76	8.46	10.15	11.84	13.53	15.22	16.91
33	1.78	3.57	5.35	7.13	8.92	10.70	12.48	14.27	16.05	17.83
34	1.88	3.76	5.64	7.52	9.40	11.28	13.16	15.04	16.92	18.79
35	1.98	3.96	5.94	7.92	9.90	11.88	13.86	15.84	17.82	19.80

d1808161

Ab. humidity = 217x (6.11x10(7.5 x temp/ (temp+237.3)))/(temp+273.15) x Relative humidity x 0.01

Uneven Density from Top to Bottom

The density is uneven from top to bottom.



d1798034

Note

- You can adjust the density of halftone images, but not that of solid fills.

Cause:

This may occur at high temperature or humidity.

Solution:

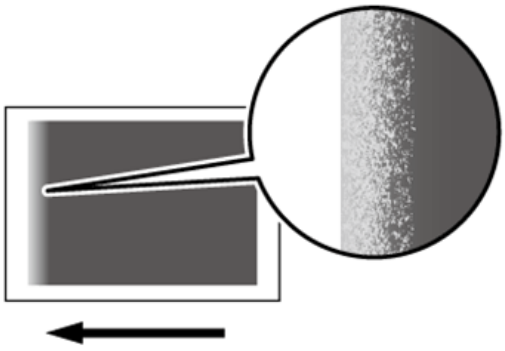
1. On the machine operation panel: Adjustment Settings for Skilled Operators menu > Image Quality > Adjust Density Difference Across Feed Direction. (SP2-113-001: Adjust LR density difference Density)
   - Decreasing the value (-) makes the area above the center denser and that below fainter.
   - Increasing the value (+) makes the area above the center fainter and that below denser.
2. Cycle the machine Off/On. The setting specified in step 1 will be in effect.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Replace the drum charge unit, PCDU.

4. If the problem persists, consult the product specialist.

Fainter Leading Edge

The leading edge is fainter.



d1798035

Cause:

At low temperature or when using thin coated paper, this may occur if the paper transfer current is insufficient. At high temperature, this may occur if the paper transfer current is excessive.

Important

- This solution only works when the thickness of the paper is equivalent to Paper Weight 4 or higher. Do not try this as a solution when using paper with a thickness equivalent to Paper Weight 3 or lower, as it may cause paper mis-feeding.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see “3. Custom Paper Settings for Administrator” in the TCRU “Adjustment Item Menu Guide”.

Solution:

Do the following adjustments together: Procedure (a) and Procedure (b).

(a) Raising the Switch Point

1. In Advanced Settings for the custom paper in use, make a note of the preset values for Paper Transfer Current: Lead Edge.
   - SP2-814-001 to 100: Leading Edge Corr Switch: 2nd Custom Paper 001 to 100
   - SP2-813-001 to 100: Leading Edge Corr Coef: 2nd Custom Paper 001 to 100
2. Is the paper transfer leading edge switch setting set at its highest value?

Yes	Go to Step 7.
No	Raise the setting by 5 points.

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to Step 4.

4. Is the paper transfer leading edge correct less than 200?

Yes	Raise the setting 10 points.
No	Repeat from Step 2.

5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat from Step 4.

6. If the problem persists after repeating from Step 4, and then raising the setting to 200, restore the original settings at Step 1, and then do Procedure (b) below to lower the settings.
7. Is the paper transfer leading edge correction setting below 200?

Yes	Raise the setting 10 points.
No	Use different paper.

8. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat from Step 7.

9. If the problem persists after repeating from Step 7, and then raising the paper transfer leading edge correction setting to 200, restore the original settings at Step 1, and then do Procedure (b) below to lower the settings.

(a) Lowering the Current

1. In Advanced Settings for the custom paper in use, raise the setting for the paper transfer leading edge correction setting by 10 points. (SP2-813-001 to 100: Leading Edge Corr Coef: 2nd Custom Paper 001 to 100)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Increase the scaling factor by 10 percentage points.

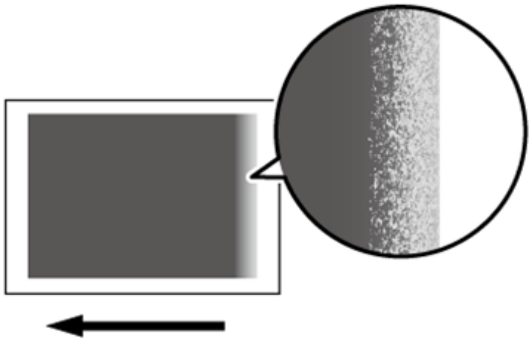
3. Repeat Step 2. If the problem persists even though you have increased the scaling factor by 50 percentage points, restore the value noted in Step 1 of Procedure (a), and then consult the product specialist.

Note

If changing the setting for transfer at the leading edge does not solve the problem, connect the paper tray heaters. (Heater Options)

Fainter Trailing Edge

The trailing edge is fainter.



d1798036

Cause:

This may occur because of insufficient or excessive paper transfer current when using paper weighing approximately 160 g/m^2 (60 lb. Cover) or heavier at low temperature or humidity.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Solution:

Do these procedures in the order presented below: Procedure (a), Procedure (b), and then Procedure (c).

Procedure (a) Setting Range

1. Measure in millimeters how far the fainter area extends from the trailing edge.
2. In Paper Transfer Current > Trail Edge Dist, enter the value you measured in Step 1 plus an additional 10 mm. (SP2-816-001: Trail Edge Corr Switch:2nd Custom Paper 001)
3. Go to Procedure (b).

Procedure (b) Raising the Setting

1. In Advanced Settings for the custom paper in use, make a note of the present value in Paper Transfer Current > Trail Edge. (SP2-815-001 to 100: Trail Edge Corr Coef:2nd Custom Paper 001 to 100)
2. Increase the scaling factor in the above setting by 10 percentage points.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Increase the scaling factor by 5 percentage points.

4. Repeat Step 3. If the problem persists even though you have increased the scaling factor by 50 percentage points, restore the value noted in Step 1 and go to Procedure (c).

Procedure (c) Lowering the Setting

1. Decrease the scaling factor in the above setting by 10 percentage points.

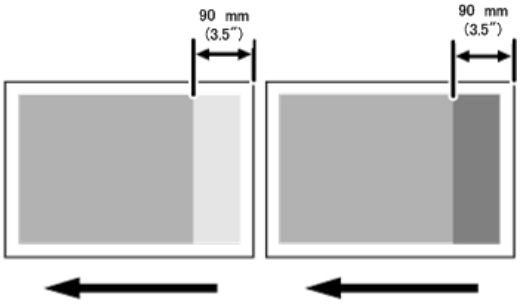
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Decrease the scaling factor by 5 percentage points.

3. Repeat Step 2. If the problem persists even though you have decreased the scaling factor by 50 percentage points, restore the value noted in Procedure (b) Step 1 and then consult the product specialist.

Uneven Density within 90 mm (3.5 in.) of the Trailing Edge

Printing in the area extending approximately 90 mm (3.5 inches) from the trailing edge is fainter or denser.



d1798037

Cause:

This may occur when:

- Printing is done at low temperature or humidity
- Printing a single-dot halftone image

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Solution:

The solution depends on whether the area within 90 mm (3.5 inches) of the trailing edge is denser or fainter. However, if the paper is not registered with the Advanced User Settings, the timing roller speed must be adjusted for the paper type and paper thickness for the paper in use. (SP 1-006-001 Fine Adj Trans Tmg Roll Spd Plain:Weight (number) 001 to 100)

If the area within 90 mm (3.5 inches) of the trailing edge is fainter

1. In Advanced Settings for the custom paper in use, check the present value in Transfer Timing Roller Feed Speed Adj. (SP1-963-001 to 100: Trans Timing Roll Spd:Fine Adj Custom Paper 001 to 100) Is it higher than +1.0%?

Yes	Consult the product specialist.
No	Go to the next step.

2. Increase the value in Transfer Timing Roller Feed Speed Adj by 0.1 percentage point.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 2 and 3. If the problem persists even though you have increased the value to +1.0%, consult the product specialist.

If the area within 90 mm (3.5 inches) of the trailing edge is denser

1. In Advanced Settings for the custom paper in use, check the present value in Transfer Timing Roller Feed Speed Adj. (SP 1-963-001 to 100: Trans Timing Roll Spd:Fine Adj Custom Paper 001 to 100) Is it lower than -1.0%?

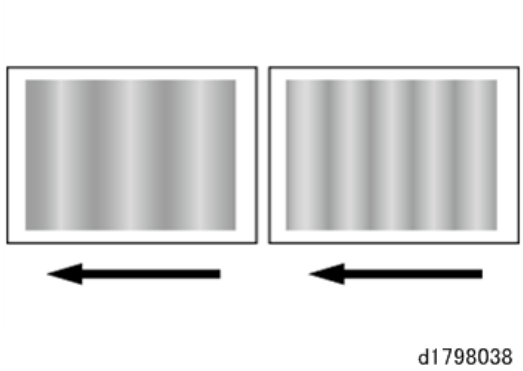
Yes	Consult the product specialist.
No	Go to the next step.

2. Decrease the value in Transfer Timing Roller Feed Speed Adj by 0.1 percentage point.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 2 and 3. If the problem persists even though you have decreased the value to -1.0%, consult the product specialist.

Periodic Density Fluctuation

The vertical density fluctuates periodically.



d1798038

Solution:

Before you perform the solution procedure, make sure that the environmental conditions where you are using the machine meet those recommended for use.

The solution depends on the interval.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Interval	Solution
Approximately 12-18 mm (0.5-0.7 inches)	Consult the product specialist.
Approximately 60 mm (2.4 inches)	• In Advanced Settings for the custom paper in use, adjust the value in Transfer Timing Roller Feed Speed Adj according to the type and thickness of paper in use. (SP 1-963-001 to 100: Trans Timing Roll Spd:Fine Adj Custom Paper 001 to 100) • If the problem persists, consult the product specialist.
Approximately 95 mm (3.7 inches)	Consult the product specialist.

Interval	Solution
Approximately 314 mm (12.4 inches)	• Replace the photoconductor unit. • If the problem persists, consult the product specialist.

Entire Image Faint

The entire image is fainter than normal.

d1798039

Cause:

This may occur when:

- Continuously printing an image that consumes little toner
- The machine has not been used for a long time
- The machine is located somewhere very humid and has not been used for a while

Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. Increase the value by 1 in Adjust Maximum Image Density. (SP3-620-001: ProCon Target M/A Maximum M/A:K)
4. Select Adjust Image Density and execute Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 3 to 5. If the problem persists even though you have increased the value to 5, consult the product specialist.

Color Is Too Dense

The entire image is denser than normal.

d1798040

Cause:

This may occur when:

- Continuously printing an image that consumes much toner
- The machine has not been used for a long time
- The machine is located somewhere very humid and has not been used for a while

Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
2. Print the image. Is the problem resolved?

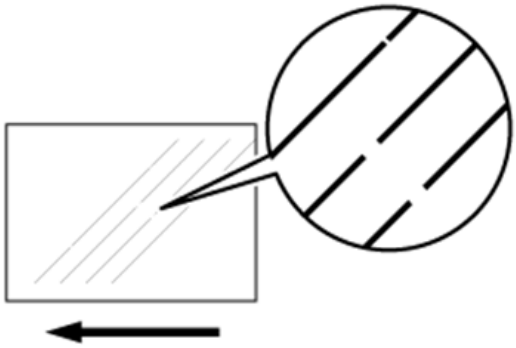
Yes	Finished!
No	Go to the next step.

3. Decrease the value by 1 in Adjust Maximum Image Density. (SP3-620-001: ProCon Target M/A Maximum M/A:K)
4. Select Adjust Image Density and execute Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 3 to 5. If the problem persists even though you have decreased the value to -5, consult the product specialist.

Broken Thin Lines

Thin lines (1-dot lines in 1200 dpi images) break.



d1798041

Cause:

Oblique (approximately 45°) thin lines or thin lines printed in faint colors are likely to contain breaks.

Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
2. Print the image. Is the problem resolved?

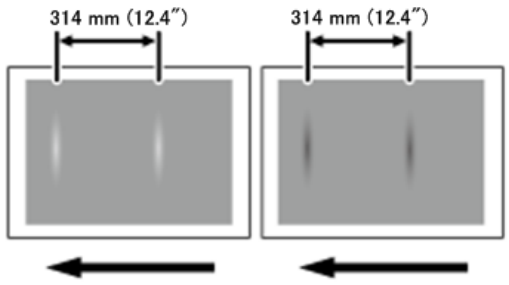
Yes	Finished!
No	Go to the next step.

3. Increase the value by 1 in Adjust Line Width. (SP3-623-061: LD Power :Set Line Width Adj.:K)
4. Select Adjust Image Density and execute Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 3 to 5. If the problem persists even though you have increased the value to 5, consult the product specialist.

Blurred Images (Convex Lens Shaped)

Lens-shaped blurred images appear at 314 mm (12.4 inch) intervals.



d1798042

Cause:

If the machine is left unattended for a long period in an environment where temperature and humidity are high, the drum surface can absorb moisture and prevent the application or quenching of electrostatic charge on the drum.

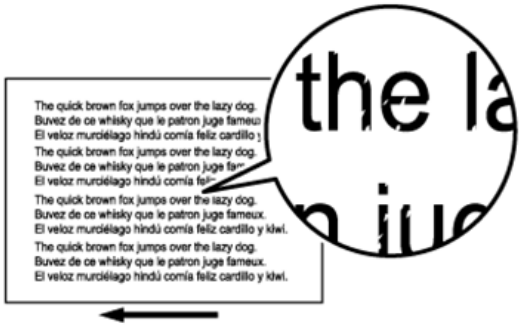
Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Maintenance > Photoconductor Refreshing. (SP2-810-013: OPC Refresh Control: Manual Execute)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Broken Characters (Dropout)

Dropouts (character voids) occur when characters or lines are printed.



d1798043

Cause:

This may occur when:

- Continuously printing an image that consumes much toner
- The machine has not been used for a long time
- The machine is located somewhere very humid and has not been used for a while

Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
2. Print the image. Is the problem resolved?

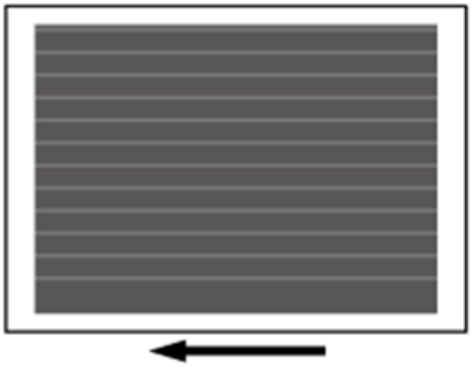
Yes	Finished!
No	Go to the next step.

3. Decrease the value by 1 in Adjust Maximum Image Density. (SP3-620-001: ProCon Target M/A Maximum M/A:K)
4. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute. (SP3-011-002: Manual ProCon :Ex Density Adjustment)
5. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 3 to 5. If the problem persists even though you have decreased the value to -5, consult the product specialist.

Afterimages

An afterimage of the image printed just before the intended image appears.



d1798044

Cause:

This may occur when the image record on the ITB has largely changed. For example, this may occur when a solid-fill image is printed after vertical lines are printed continuously. A potential difference occurs between an image portion and non-image portion on the ITB as a result of continuous printing of vertical lines, causing the vertical lines to become obvious on the next solid-fill image.

This may occur when:

- Printing is done at high temperature or humidity
- Printing on thin coated paper (Paper Weight 3 or lower) or on OHP sheet
- Printing an extremely different type of image

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Solution:

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Image Density > Image Density Adjustment: Manual Execute.
2. Can the image density be adjusted manually?

Yes	Adjust the image density manually. (SP3-011-001 Manual ProCon :Ex Normal ProCon)
No	Go to Step 4.

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

4. Are the paper transfer current settings at their lowest values?
   - SP2-811-001 to 100: PTR Current:Side1 Custom Paper 001 to 100
   - SP2-812-001 to 100: PTR Current:Side2 Custom Paper 001 to 100

Yes	Use different paper.
No	Go to the next step.

5. In Advanced Settings for the custom paper in use, do the following adjustments:
   - **Side 1**: Decrease the absolute value by 10 points in Paper Transfer Current Setting: Side 1.

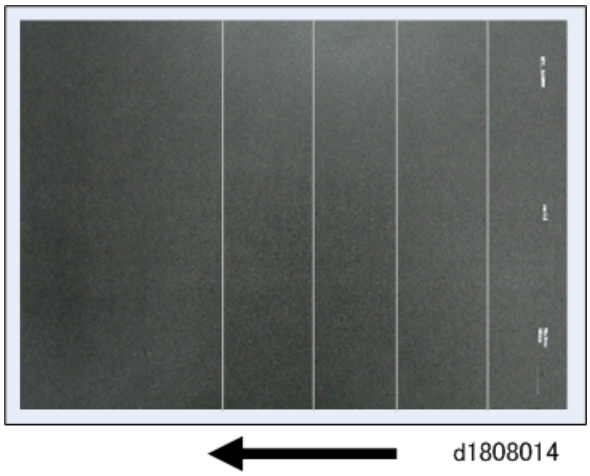
- **Side 2**: Decrease the absolute value by 10 points in Paper Transfer Current Setting: Side 2.

6. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Steps 4 and 5. If the problem persists even though you have decreased the value to its lowest setting, consult the product specialist.

White Streaks

White streaks perpendicular to the paper feed direction appear.



Cause:

A separating discharge occurs between the ITB and the paper edge during paper transfer, which causes a streak-like electric charge on the ITB. This residual electric charge may cause white streaks during image transfer. This may occur at low temperature and humidity.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Solution:

1. In Advanced Settings for the custom paper in use, select Paper Transfer Current; Trail Edge Dist.
   - SP2-816-001: Trail Edge Corr Switch: 2nd Custom Paper 001
   - SP2-815-001 to 100: Trail Edge Corr Coef: 2nd Custom Paper 001 to 100
2. Check the present switch value. Is it at the upper limit?

Yes	Go to Step 6.
No	Raise the switch setting 5 points.

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to Step 4.

4. Check the present coefficient value. Is it at its lowest setting?

Yes	Restore the default value, and then repeat from Step 2.
No	Raise the setting 20 points.

5. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat from Step 4. If the problem persists, consult the product specialist.

6. Is the paper transfer trailing edge correction coefficient at its lowest value?

Yes	Use different paper.
No	Raise the setting 20 points.

7. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat from Step 6. If the problem persists, consult the product specialist.

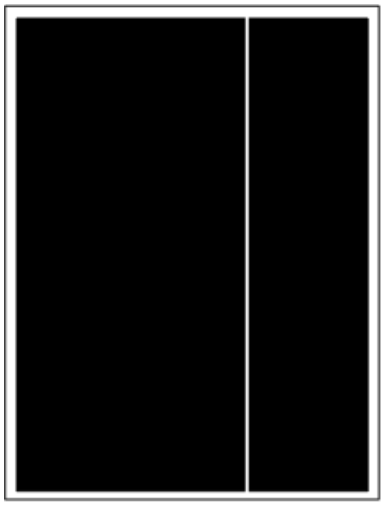
8. Even if the problem persists with the paper transfer trailing edge correction coefficient at its lowest value, consult the product specialist.

Note

- Changing these settings can cause fading at the trailing edges of the paper, so keep this in mind when doing the adjustments. If the images fade at the trailing edge, make some output samples and choose the best from among the test prints and use those settings.

Vertical White Lines

These are vertical white lines that appear on the paper in the direction of paper feed.



d1808010

Cause:

This can be caused by dirt on the shield glass, or other foreign particles blocking the path of the laser beam from the laser unit. Developer particles drawn up into the gap between the doctor blade and the development roller could also be causing the problem.

Solution

1. Remove and clean the toner shield glass.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. Clean the development roller and doctor blade cap. (For details, please refer to the Field Service Manual.)

4. Print the image. Is the problem resolved?

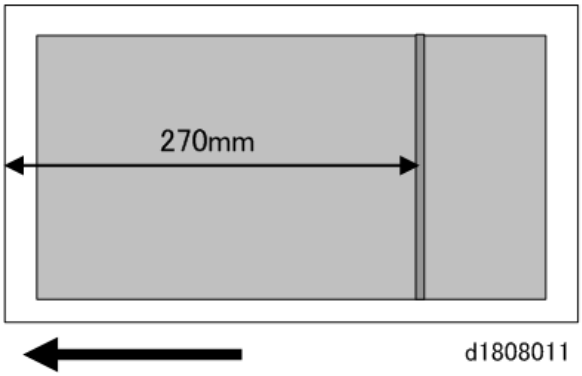
Yes	Finished!
No	Go to the next step.

5. Replace the development unit.
6. Print the image. Is the problem resolved?

Yes	Finished!
No	The cause of the problem requires more investigation. Consult the product specialist.

Shock Jitter at the Fusing Unit

If shock jitter occurs at the arrival of paper at the fusing unit, this can cause horizontal black lines to appear 270 mm (10.5”) away from the leading edge of the paper.



Cause:

Shock jitter can occur when the paper reaches the fusing unit after passing through the PTR unit, causing black lines to appear about 270 mm (10.5”) from the leading edge of the paper. This can occur when:

- Paper longer than 270 mm is used
- The paper is the first sheet of a print job
- Using thick paper
- Printing halftones

Note

- Please remember that before paper can be used, it requires registration by the operator, especially if adjustments for a different type of paper (custom paper) are used.

Solution:

1. Is the paper in use shorter than 270 mm (10.5”)?

Yes	Go to the next step.
No	Go to Step 3.

2. Print the image on paper shorter than 270 mm. Is the problem resolved?

Yes	Finished!
No	Use different paper.

3. In Advanced Settings for the custom paper in use, check the setting for Process Speed Adjustment. (**SP1-986-001 to 100**: Process Speed Custom Paper 001 to 100)
4. Is the line speed set at the lowest setting "0" (96 cpm)?.

Yes	Use different paper.
No	Go to the next step.

5. Reduce the line speed setting by 1 step.
6. Print the image. Is the problem resolved?

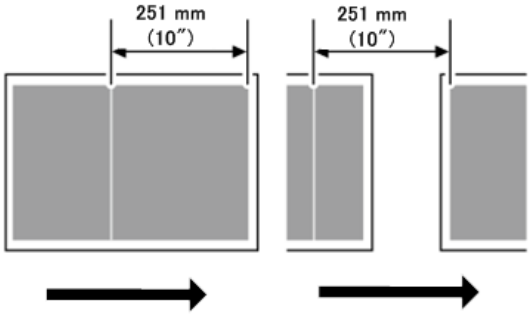
Yes	Finished!
No	Repeat Steps 4 to 6.

7. If the problem persists after adjusting the process line speed, consult the product specialist.

Glossy Problems

Vertical Glossy Lines

Glossy lines perpendicular to the paper feed direction appear.



d270d6701

Cause:

Glossy lines perpendicular to the paper feed direction may appear 251 mm (10 inches) from the boundary of the margin and the solid image (in the direction opposite to the paper feed direction).

Solution:

1. Print the image on twenty sheets. Do glossy lines appear on the tenth sheet and later sheets?

Yes	Go to the next step.
No	Consult the product specialist.

2. In Advanced Settings for the custom paper in use, select Fusing Heat Roller Temperature Adj and decrease the value by 5°C. (SP1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100)
3. Print the image on twenty sheets. Do glossy lines appear on the tenth sheet and later sheets?

Yes	Repeat Step 2 and 3. If the problem persists even though the setting has reached its minimum value, consult the product specialist. If the problem is resolved, go to the next step.
No	Go to the next step.

4. Check the toner fusion. Is it satisfactory?

Yes	Finished!
No	Restore the previous setting and consult the product specialist.

Insufficient Gloss

The image is not glossy enough.

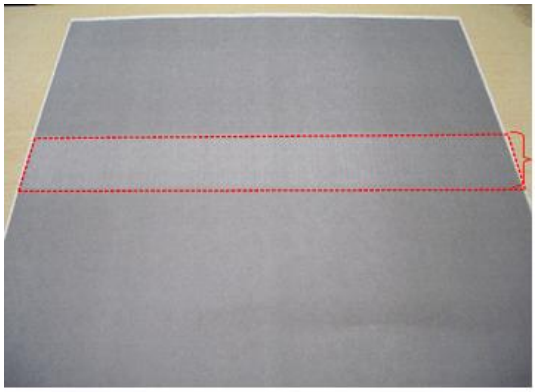
Solution:

If the gloss of the image is not glossy enough, do (a) Changing Fusing Temperature, and (b) Changing Processing Speed. (Insufficient Toner Fusing)

Blurred Images in Bands

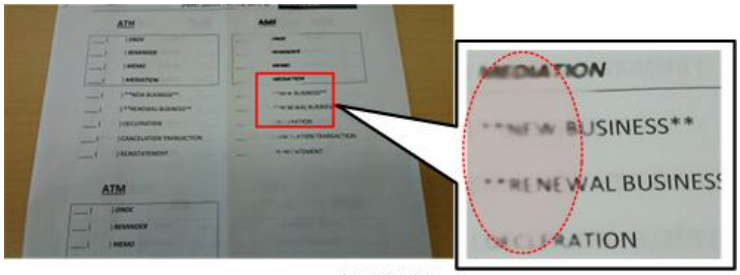
Halftone and text images appear light (low in density) or blurred at intervals within bands that are equal to the circumference of the drum.

Low Density in Shaded Area



d179b4001

Blurred Text



d179b4002

Note

- In addition to these problems, backgrounds may appear dirty, or the machine could issue SC401 if the problem occurs during toner supply control (process control).

Cause

Nitrous oxide generated during drum charging combines with the lubricant powder (zinc stearate) and absorbs moisture which can adhere to the drum surface. If the machine remains idle for a long period, this could prevent the drum from charging evenly in the affected areas.

Solution

1. Update the Engine firmware to Ver.1.45:08 or later.

Note

- Executing SP2810-001 (Clear Blurred Image) with older engine firmware could cause the machine to issue SC465.

2. Specify the following settings for SP2810 values to clear blurred text and images:
   - SP2810-001: 1 (default). This setting will automatically execute and correct the problem every time.
   - SP2810-005: 360 (default) change to 120. This setting will automatically execute and correct the problem after the machine remains idle for 2 hours.
   - SP2810-006: 13 (default) change to 7. This setting will automatically execute and correct the problem even when the machine operates in an environment affected by medium temperature and relative humidity.
3. Is the problem solved?

Yes	Finished!
No	Go to next step.

4. Execute SP2819-004 (Clear Blurred Image) several times. Is the problem solved?

Yes	Finished!
No	Replace the drum.

Fusing Problems

Insufficient Toner Fusing

This section explains how to resolve the problem of insufficient toner fusing on printed copies.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see "3. Custom Paper Settings for Administrator" in the TCRU "Adjustment Item Menu Guide".

Changing the fusing temperature or changing the process speed may produce one or more of the following side effects:

- Paper curling
- Paper misfeeding
- Blisters
- Glossy lines
- Change of gloss

If one or more of the above side effects occurs, adjust the fusing temperature and process speed by decreasing the fusing temperature and increasing the process speed.

Solution:

Carry out the following sequence of procedures. Terminate the sequence as soon as the problem is resolved.

Procedure (a): Changing the fusing temperature

1. In Advanced Settings for the custom paper in use, select Fusing Heat Roller Temperature Adj and increase the temperature by 5°C. (SP1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100)
2. Print the image and check toner fusion. Is the problem resolved?

Yes	Finished!
No	Increase the temperature an additional 5 °C.

3. Repeat Step 2 until the temperature reaches 185 °C. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

4. Check the type of your machine. Is it Pro 8200S?

Yes	Consult the product specialist.
No	Perform Procedure (b) below.

Procedure (b): Changing the process speed

This procedure is available only for Pro 8220S/8220Y and Pro 8120S/8210Y. This will slow down the printing to give the toner more time to fuse. However, because of this, throughput will be reduced.

For example, when printing on A4/LT paper:

Pro 8220S/8220Y

- If the process speed is changed from High to Middle: 136 cpm to 111 cpm
- If the process speed is changed from Middle to Low: 111 cpm to 96 cpm

Pro 8210S/8210Y

- If the process speed is changed from High to Low: 111 cpm to 96 cpm
- Pro 8210S/8210Y does not have the Middle setting.

1. In Advanced Settings for the custom paper in use, select Process Speed Setting. (SP1-852-001 to 100: Process Speed Custom Paper 001 to 100)
2. Decrease the value by one level.
3. If the present value is High, select Middle. If it is Middle, select Low.
4. Print the image and check toner fusion. Is the problem resolved?

Yes	Finished!
No	If the problem persists, the machine may be faulty or the paper unsupported. Contact your service representative. The problem requires further investigation, so consult the product specialist.

Improving Print Quality with Mixed Paper

This section describes how to adjust operation to give priority to print quality over production when using different types and thicknesses of paper in the same print jobs.

Note

- In order to ensure optimum toner fusing for different paper types and thicknesses, the operation of the fusing unit can be adjusted for paper conditions. These settings ensure productivity when different paper is used continuously, but problems such as glossy lines can occur when different paper is used in the same job.
- There will be occasions when quality must take precedence over productivity, depending on how the operators are using the machine. In such a case, the Image Quality Priority Mode can be used.

Conditions Where Image Quality Can be Improved

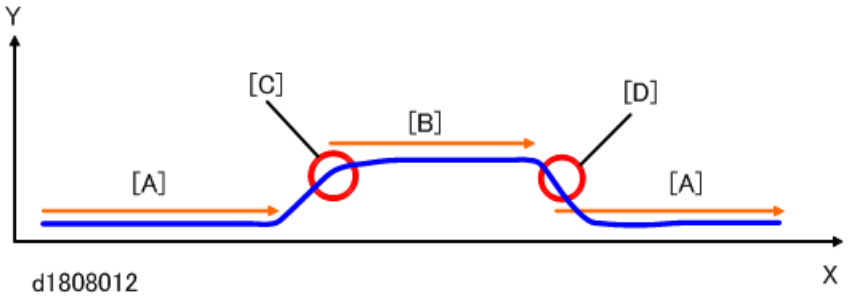
- For brand name paper where there is a large difference in the heating roller temperature setting between the front and rear of the paper area.
- For brand name paper where there is a large difference in the heating roller temperature setting for the width (front-to-back on paper path is the length) of the paper.
- Repeated low volume print jobs.

Solution

1. Advanced Settings > Quality Adjust > Production Priority Mode > Production Priority > change the setting from “Normal” to “Priority”. (SP1-131-001: Continues Print Mode Switch Feed Permit Condition)

Control Image

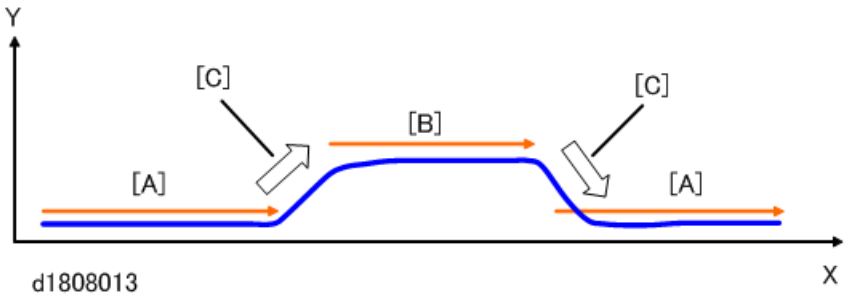
(a) Production Monitoring Mode: Production Priority



X	Time
Y	Heating Roller Temperature Setting

When changing from thin paper [A] to thick paper [B], insufficient temperature could cause poor fusing because the fusing temperature [C] was not high enough for thick paper. Also, when changing from thick paper [B] to thin paper [A], high temperature could cause glossy lines to occur because the fusing temperature [D] was too high for thin paper.

(a) Fusing Quality Monitoring Mode: Fusing Priority



X	Time
Y	Heating Roller Temperature Setting

When changing from thin paper [A] to thick paper [B], this generates wait time [C]. When changing from thick paper [B] to thin paper [A], this also generates wait time [C]

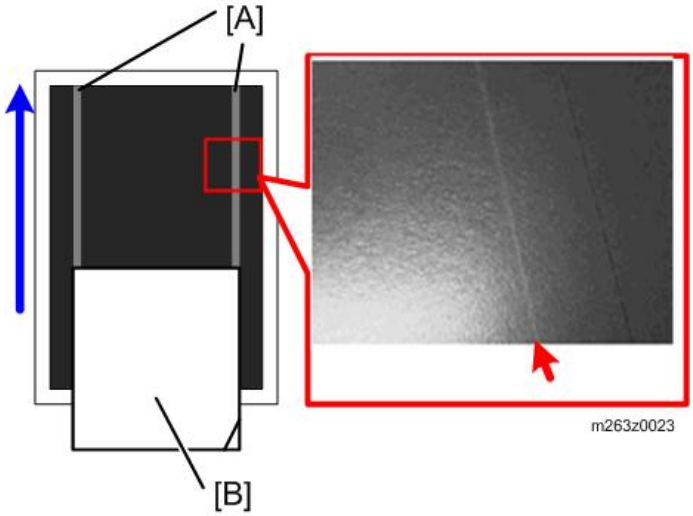
Note

- With “Fusing Priority” selected, when the paper brand and area are changed, the wait time is generated in order to adjust the fusing temperature. Also, in some cases, the warm-up time to standby temperature for printing to begin may also have the same wait time lag. Reducing the wait time during troubleshooting execution when using mixed paper sizes may have no effect.

Paper Edge Friction on the Fusing Belt: Fusing Unit Swapping

Cause:

Glossy vertical stripes [A] occur on sheets of a print job using paper smaller than the previous long print job on large size paper [B] with its edges contaminated by strips from cutting.



This problem can occur when:

- Using thick paper with edges contaminated by small burrs and strips created when the paper was cut.
- Printing images with large coverage areas (half-tones, etc.).
- Using very high-gloss paper

Solution:

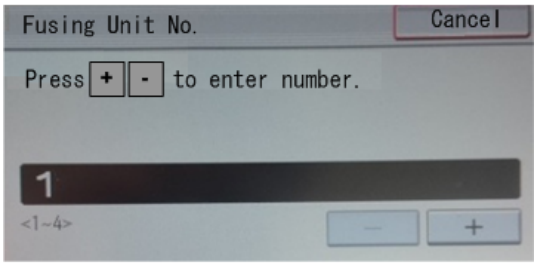
Procure a fusing unit to be dedicated for long print jobs with a selected paper size, to avoid the occurrence of glossy vertical striping on prints. Up to four units can be registered for swapping the fusing unit for high volume print jobs on the same paper size.

Important

- After a fusing unit dedicated to printing on one paper size for long print jobs is swapped into the machine, the registration number attached to the unit must be selected and the distance and page counters must be reset before that fusing unit.

These important settings are done with the "Adjustment Settings for Skilled Operators" on the operation panel of the main machine. Here is a list of the settings that must be done:

- [Fuser Unit No.] Select a number in the range 1 to 4 to assign a number to the machine.

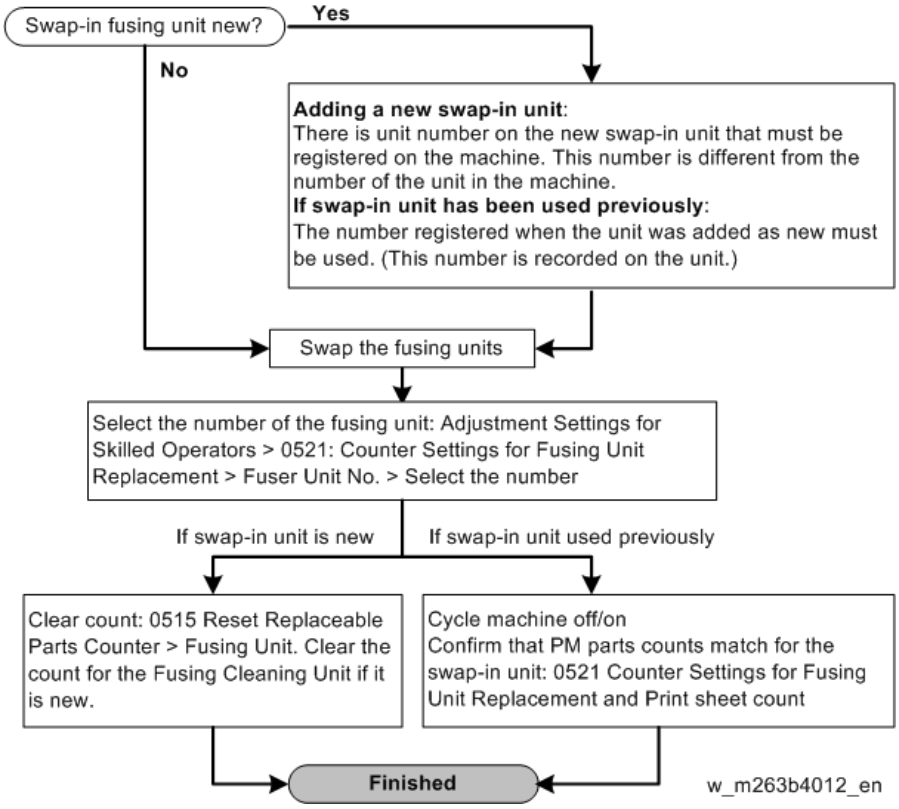


d270b0052

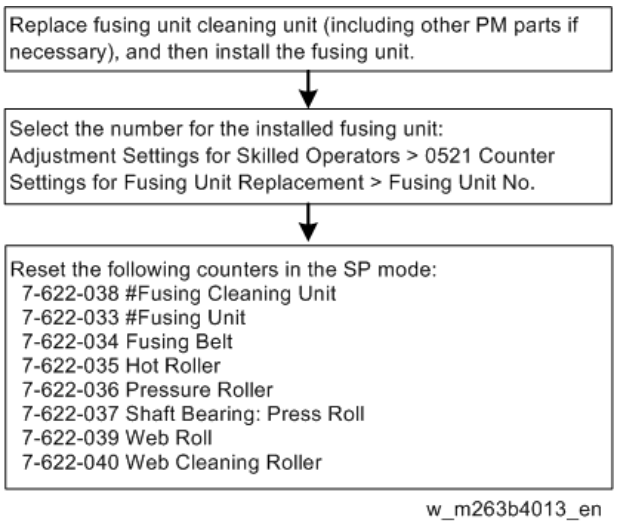
- [Current Value: Distance Counter: Fuser Unit]
- [Current Value: Distance Counter: Fuser Cleaning Unit]
- [Current Value: Page Counter: Fuser Unit]
- [Current Value: Page Counter: Fuser Cleaning Unit]

Procedure

Fusing Unit Swapping



Resetting Counts for Fusing Unit Cleaning Unit (Other New PM Parts)



Paper Delivery Problems

Frequent Paper Misfeeds

Depending on the cause of the problem, do one of the following:

Coated or another type of unsupported paper is loaded on the tray.

- Load paper that is not supported by the machine's paper tray (Trays 1-3) in the wide LCT or another paper tray supporting the paper.
- For details about the sizes and types of paper that can be loaded in the paper trays, see "Specifications" in the "Appendices".

The side fences in the paper tray are too close together.

- If the distance between the side fences is less than the paper width, it may interfere with paper feed and so cause paper misfeeds.
- Adjust the side fences to match the paper width.
- When you close the paper tray, the side fences may become misaligned due to the weight of the paper. To prevent this, close the paper tray slowly.

The side fences in the paper tray are too far apart.

- If the side fences are too far apart, paper misfeeds may occur due to wrong paper size detection.
- Adjust the side fences to match the paper width.

The paper size/orientation/type is not specified correctly.

- In tray paper settings, specify the size, orientation, and type of the paper in use.

Too many sheets of paper are loaded in the paper tray.

- When loading paper, do not exceed the limit.

The edges of the sheets are rough.

- Turn the sheets the other way up or smooth the edges before loading.

Sheets are curled or wavy.

- Flatten curls and waviness before loading paper.
- Turn the sheets the other way up or smooth the edges before loading.
- Stacking too many sheets may cause the sheets on top to curl greatly. If this happens, reduce the number of stacked sheets.

Sheets absorbed moisture and became limp.

- Sheets that will not be used for a long time should be protected from moisture by, for example, storing them in a sealed bag.
- If the machine is plugged in, the heaters (options) inside the paper bank start operating when the main power is off to prevent sheets from absorbing moisture.

The paper feed sensor is stained with paper dust.

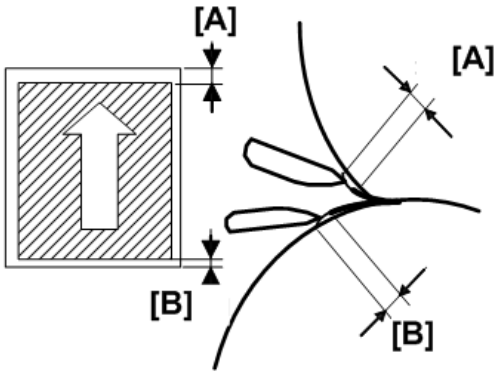
- Clean the part of the paper feed sensor where the paper misfeed is detected. (Cleaning the Paper Feed Path)

The paper feed performance is less sufficient because the paper transport roller is soiled with toner.

- Clean the part of the paper transport roller where the paper misfeed is detected. (Cleaning the Paper Feed Path)

Fusing Unit Separation Plate Accordion Jams

Accordion jams can occur at the fusing unit separation plate with paper where there is insufficient white space at the leading edge of paper.



d1808101

[A]	Leading Edge Margin (White Space)
[B]	Trailing Edge Margin (White Space)

Causes:

This problem can occur under with:

- Thin paper (less than 100 gsm)
- Coated paper (low rigidity)
- Image coverage (or toner) near the leading edge of the paper
- Leading edge white space extremely narrow

Solution

The best solution is to have the client staff or the product specialist increase the size of the margin white space at the leading edge of the paper. If this is not possible, consult with the client staff and the product specialist to determine if another type of paper can be used.

1. Can the size of the image be adjusted to create more white space in the leading edge?

Yes	Go to Step 2.
No	Go to Step 4.

2. In Advanced Settings for the custom paper in use, change the Leading Edge Mask Width Adjustment to +0.5 mm. (SP2-122-001 to 100: Erase Margin Adj Leading Edge Custom Paper 001 to 100). Did this solve the problem?

Yes	Finished!
No	Go to Step 3.

3. Is the margin at the leading edge less than 10 mm?

Yes	Repeat Steps 2 and 3.
No	Replace the fusing unit. If the problem persists, consult the product specialist.

4. Ask the client if adjustment of the image on the paper is possible.

Yes	Go to Step 5.

No	Consult the product specialist.

5. In Advanced Settings for the custom paper in use, set the values for image position adjustment for Side 1 and Side 2 to +0.5 mm.
   - SP1-950-001 to 100: Image Pos:Sub:Side1 Custom Paper 001 to 100
   - SP1-951-001 to 100: Image Pos:Sub:Side2 Custom Paper 001 to 100

   Did this solve the problem?

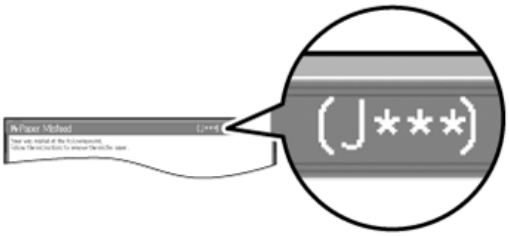
Yes	Finished!
No	Go to Step 6.

6. Is the margin at the leading edge less than 10 mm?

Yes	Repeat Steps 5 and 6.
No	Replace the fusing unit. If the problem persists, consult the product specialist.

Messages Reporting Paper Misfeeds

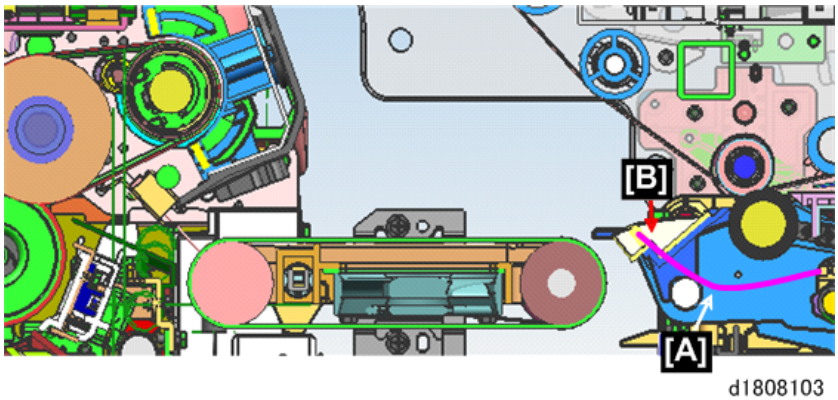
Paper misfeeds are reported by messages prefixed with problem codes. Resolve the problem according to the code.



d1798047

J032 (Thin Paper)

This problem can occur when using paper thinner than Thickness 1.



d1808103

When very thin paper (less than Thickness 1) feeds, the paper can sag at the at the transfer exit guide plate [A], fail to separate and wrap in the paper transfer unit [B], causing Jam32.

Cause:

This problem can occur when:

- Paper is extremely thin (less than Thickness 1)

- Ambient temperature is high or low
- Ambient humidity is high or low
- Duplex printing on Side 2

Solution:

This problem can be solved by adjusting the leading edge switching and coefficient settings for the leading edge.

1. Is the paper registered in the User Settings for Custom Paper?

Yes	Go to Step 2.
No	Register the paper in the User Settings.

2. Adjust the User Settings for the paper transfer coefficient and switch.
   - (SP 2-813-001 to 100: Leading Edge Corr Coef: 2nd Custom Paper 001 to 100
   - (SP 2-814-001 to 100: Leading Edge Corr Switch: 2nd Custom Paper 001 to 100

   Is the paper transfer leading edge coefficient setting less than 60?

Yes	Restore the coefficient setting to its default setting.
No	Go to Step 5.

3. Is the paper transfer leading edge correction switch at its upper limit?

Yes	Use different paper. If this is not possible, consult the product specialist.
No	Add 5 points to the setting.

4. Is the problem resolved?

Yes	Finished!
No	Go to Step 5.

5. Does reducing the paper transfer coefficient setting by 5 points solve the problem?

Yes	Finished!
No	Repeat from Step 2.

J049 (Skew)

Cause:

Paper is skewed.

Solution:

Depending on the cause of the problem, do one the following:

The side fences in the paper tray are too far apart.

- If the side fences are too far apart, the paper may be skewed.
- Adjust the side fences to match the paper width.
- When you close the paper tray, the side fences may become misaligned due to the weight of the paper.
- To prevent this, close the paper tray slowly.

The paper size/orientation/type is not specified correctly.

- In tray paper settings, specify the size, orientation, and type of the paper in use.

Colored paper or transparencies are loaded in the paper tray.

- Paper edges may not have been detected correctly. Adjust the color paper edge detection.

1. In Advanced Settings for the custom paper in use, select Color Paper Edge Detection Adjustment and make a note of the present value. (SP1-962-001 to 100: Color Paper Adjustment Custom Paper 001 to 100)
2. Increase the value in Color Paper Edge Detection Adjustment.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep increasing the value until the problem is resolved. If the problem persists even though the setting has reached its maximum value, restore the value noted in step 1 and go to the next step.

4. Decrease the value in Color Paper Edge Detection Adjustment.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep decreasing the value until the problem is resolved. If the problem persists even though the setting has reached its minimum value, restore the value noted in step 1 and go to the next step.

6. In Advanced Settings for the custom paper in use, set Skew Detection to Off. (SP1-955-001 to 100: Skew Detect Custom Paper 001 to 100)
7. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

An envelope is used.

If an envelope flap at the trailing edge is oblique, a skew may be wrongly detected when the envelope is fed with its flap open.

Disable the skew detection function.

If custom paper is used:

In Advanced Settings for the custom paper in use, set Skew Detection to Off. (SP1-955-001 to 100: Skew Detect Custom Paper 001 to 100)

If custom paper is not used:

On the machine operation panel: Paper Feed/Output group in the Adjustment Settings for Skilled Operators menu, set Skew Detection to Off. (SP1-021-001 to 008: Skew Detect Tray <number>)

The skew detection level is too high.

The skew detection level may be too high. Decrease the skew detection level. (SP1-022-001 to 008: Skew Correction Level Setting Tray <number>

1. On the machine operation panel: Paper Feed/Output group in the Adjustment Settings for Skilled Operators menu, increase the value in Skew Detection Level. (SP1-022-001 to 008: Skew Correction Level Setting Tray <number>. If you change these settings in the plus direction (+), the detection level decreases.

2. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep increasing the value until the problem is resolved. If the problem persists even though the setting has reached its maximum value, go to the next step.

3. On the machine operation panel: Paper Feed/Output group in the Adjustment Settings for Skilled Operators menu, set Skew Detection to Off. (SP1-021-001 to 008: Skew Detect Tray <number>)

Note

- If the skew detection level is reduced or the skew detection function is disabled, no misfeed report will be displayed. However, this may result in paper skew feeding. If you do not want this result, contact your service representative. The machine may also be incorrectly detecting skew.

J050 (Paper Registration))

Cause:

Sheets cannot be positioned properly by paper position adjustment in the paper registration unit.

Solution:

Depending on the cause of the problem, do one of the following:

The side fences in the paper tray are too far apart.

- If the side fences are too far apart, the paper may shift.
- Adjust the side fences to match the paper width.
- When you close the paper tray, the side fences may become misaligned due to the weight of the paper.
- To prevent this, close the paper tray slowly.

The paper size/orientation/type is not specified correctly.

- In tray paper settings, specify the size, orientation, and type of the paper in use.

Colored paper or transparencies are loaded in the paper tray.

- Paper edges may not have been detected correctly. Adjust the color paper edge detection.

1. In Advanced Settings for the custom paper in use, select Color Paper Edge Detection Adjustment and make a note of the present value. (SP1-962-001: Color Paper Adjustment Custom Paper 001)
2. Increase the value in Color Paper Edge Detection Adjustment.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep increasing the value until the problem is resolved. If the problem persists even though the setting has reached its maximum value, restore the value noted in step 1 and go to the next step.

4. Decrease the value in Color Paper Edge Detection Adjustment.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep decreasing the value until the problem is resolved.

	If the problem persists even though the setting has reached its minimum value, restore the value noted in step 1 and go to the next step.

6. In Advanced Settings for the custom paper in use, set Skew Detection to Off. (SP 1-955-001 to 100: Skew Detect Custom Paper 001 to 100)
7. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Sheets of mixed type, thickness, or color are loaded in the paper tray.

- Load identical sheets in the paper tray.

Shift Tray Full Disable (OFF)

With Custom Paper

In user paper settings for the custom paper in use, disable side-to-side registration. (SP 1-957-001 to 100: Side-to-Side Reg Disable Custom Paper 001 to 100)

With Standard Paper

In Advanced Settings for the custom paper in use, disable side-to-side registration. (SP 1-917-001 to 008: Side-to-Side Reg Disable Tray <number>)

Jam Detection Only Disabled

If the User Settings are used: In the Advanced Settings for the custom paper in use, under Details disable Vertical Registration. (SP1-958-001 to 012 Vertical Registration Jam Detection.)
If User Settings are not used: Use the key operator settings to disable Vertical Registration Jam Detection. (SP1-918-001 to 012 Vertical Registration Jam Detect)

J050 Issued and corners folded

Refer to “Failure to Feed” in the Vacuum Feed LCIT RT5100 section. (Frequent Double Feeds, Failures to Feed)

J080 (Paper Slippage)

Cause:

The paper feed is delayed. This may occur if the paper is slippery.

Solution:

1. In Advanced Settings for the custom paper in use, set Regist Jam Detection with Feed Dir to Off. (SP 1-958-001 to 100: Subscan Reg Jam Detect Custom Paper 001 to 100)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

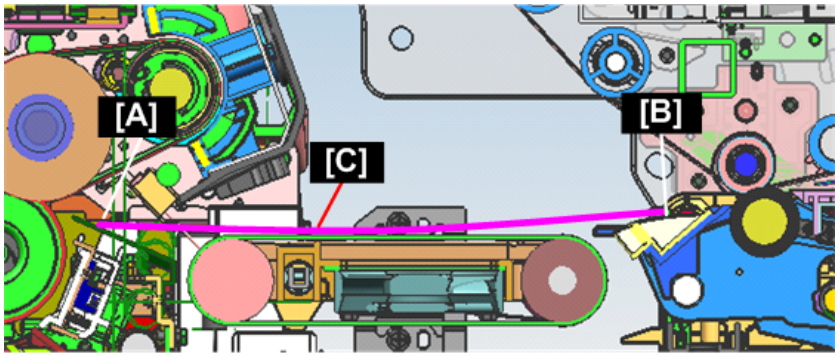
Note

- When you set Regist Jam Detection with Feed Dir to Off, the printed image may become misaligned at

the leading edge.

J082 (Thick Paper)

This code signals a jam with paper above Thickness 5 (Thk 5).



d1808102

If the paper is Thk 5 and very stiff, or Thk 6 or higher, when the leading edge of the paper is on the fusing guide plate [A] and the trailing edge is on the transfer exit guide [B] both ends of the paper rest on the guide plates. Due to the rigidity of the paper, the paper surface can lose contact with the paper transport belt [C] and the paper will not feed. Also, very slick coated paper can easily slip over the surface of the belt, lose contact with the belt fail to feed (Jam 082).

Cause:

This problem can occur when:

- Using paper sizes B5 LEF, A4 LEF, LT LEF
- The paper is thick (Thk 5 and extremely stiff or Thk 6 or higher), especially rigid or paper with a slick surface like coated paper.

Solution:

This problem can be resolved by switching the paper to short-edge feed (SEF).

1. Is the paper registered with Custom Paper Setting?

Yes	Go to Step 2.
No	Register the paper with User Tools.

2. Can the job be switched from LEF to SEF feed?

Yes	Switch paper orientation to SEF.
No	Go to Step 3.

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Use different paper. If this is not possible, consult the product specialist.

J099 (Double Feed)

Cause:

Double feeding has occurred.

Solution:

Depending on the cause of the problem, do one of the following:

Coated or another type of unsupported paper is loaded on the machine operation panel's tray.

- Load paper not supported by the machine's paper tray (Trays 1-3) in the wide LCT or another paper tray that supports the paper.

Sheets are stuck to each other.

- Fan the paper before loading it to loosen the sheets.

The edges of the sheets are rough.

- Turn the sheets the other way up or smooth the edges before loading the paper.

Paper Skew

Depending on the cause of the problem, do one of the following:

The side fences in the paper tray are too far apart.

- If the side fences are too far apart, the paper may be skewed.
- Adjust the side fences to match the paper width.
- When you close the paper tray, the side fences may become misaligned due to the weight of the paper. To prevent this, close the paper tray slowly.

A scrap of paper or some other small fragment is jammed in the paper feed path.

Remove the fragment. (Cleaning the Paper Feed Path)

The correct amount of paper buckle has not been specified.

Adjust the degree of paper arching at the registration gate.

If using paper of Paper **Weight 1 to 4**

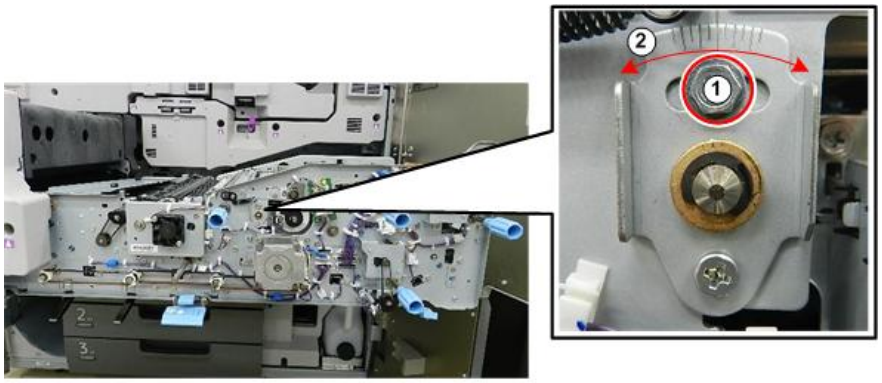
1. On the machine operation panel: Image Position group in the Adjustment Settings for Skilled Operators menu, change the value in Adjust Registration Paper Buckle. (SP1-004-1 to 3: Reg. Buckle Adjust: Tray 1 to 3).

If using paper of Paper Weight 5 to 7

1. On the machine operation panel: Image Position group in the Adjustment Settings for Skilled Operators > Image Position > Adjust Registration Paper Buckle (Thick Paper) > Change the value. (SP1-005-001 to 3: Reg. Buckle Adj.: Thick 5 to Thick 7).
2. Increase (+) or decrease (-) the value for the paper tray in use, and then print the image.
    - If the problem persists even though the setting has reached its maximum value, try decreasing the setting.
    - If the problem persists even though you have tried the complete range of settings from minimum to maximum, do the procedure below.

Leading Edge Shift Unit Manual Adjustment

1. Do SP2109-003 Pattern #14, and then print a Trimming Area pattern on both sides of an A3 sheet of paper.
2. Pull out the drawer.
3. Remove the right front cover of the drawer.



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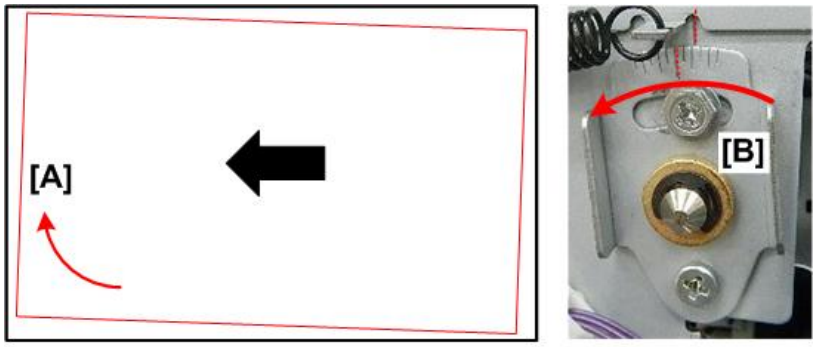
4. Note and record the current setting at ①.
5. Loosen screw ① and then move bracket ② to either the left or the right.
6. If the trimming area pattern [A] is skewed to the rear, move bracket [B] to the left.



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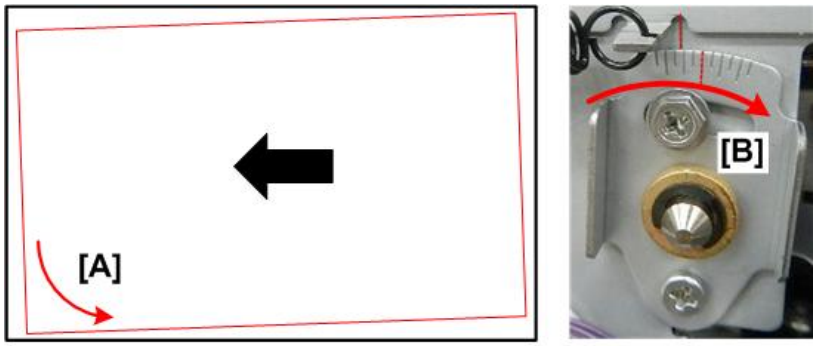
7. If the trimming are pattern [A] is skewed to the front, move bracket [B] to the right.



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8. Do more trimming area pattern prints and adjustments until the sides of the trimming area pattern are perfectly parallel with the edges of the paper.
9. If the problem persists, consult local staff and the product specialist.

The skew detection level is too low.

Increase the skew detection level.

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/Output > Skew Detection Level > Reduce the value. (SP1-022-001 to 008: Skew Correction Level Setting Tray<number>)
2. Reduce the value to increase the detection level.
3. This will allow the machine to report a paper misfeed and stop printing even for a slight skew.

False Paper Skew Detection

Depending on the cause of the problem, do one of the following if an envelope is used.

If an envelope flap at the trailing edge is oblique, a skew may be wrongly detected when the envelope is transferred with its flap open.

Disable the skew detection function.

If custom paper is used

In Advanced Settings for the custom paper in use, set Skew Detection to Off. (SP 1-955-001 to 100: Skew Detect Custom Paper 001 to 100)

If custom paper is not used

On the machine operation panel: In the Paper Feed/Output group in the Adjustment Settings for Skilled Operators menu, set Skew Detection to Off. (SP 1-021-001 to 008: Skew Detect Tray <number>)

Note

- Disabling the skew detection function will allow skewed printing. If this is not acceptable to the client, contact the product specialist.

Paper Skew with Vacuum Feeder RT5100

Cause

Measures to correct paper skew at the main machine are not as effective with thick paper (Thk = 5 and thicker) fed from the Vacuum Feeder RT5100, causing images to be cut off at either end.

Solution

You can take the following measures to correct skew in this case.

- If only one Vacuum Feeder is attached to the side of the main machine, you can insert a shim behind the connection bracket to correct the problem.
- If more than one Vacuum Feeder is in the line, you can insert a shim behind the connection bracket of the feeder before feeder where the skew occurs to correct the problem.
- Each skew correction shim is 1.0 mm thick. Inserting one shim is equivalent to about 0.25 mm/100 mm of correction in paper skew.

Note

- The shims for skew correction are provided fastened to the bottom frame of the LCIT behind the front door..

Double Feeding

Depending on the cause of the problem, do one of the following:

Is the paper feed roller covered with paper dust?

- Check the paper feed rollers of the LCT A3/A4, Multi Bypass Unit, and Cover Interposer Tray if they are installed.
- Paper dust may decrease the traction of the paper feed roller and result in double feeding due to paper slippage or insufficient separation.
- Cleaning the paper feed roller will restore traction and so prevent double feeding. (Cleaning the Paper Feed Path)

Have you fanned the paper sufficiently to remove static cling?

- Check the paper of the LCT A3/A4, Multi Bypass Unit, and Cover Interposer Tray if they are installed.
- Double feeding may result if the paper is not ruffled properly.
- Remove the paper, ruffle it, and reload it.

Is the Pickup Assist setting enabled?

This is for the LCT A3 only. If the Pickup Assist function operates too much, it may cause double feeding with coated paper. By disabling the Pickup Assist setting, you can prevent double feeding.

If custom paper is used

In Advanced Settings for the custom paper in use, set Pickup Assist Setting to Off. (SP 1-977-001 to 100: LCT Pickup Assist ON/OFF Custom Paper 001 to 100)

If custom paper is not used

On the machine operation panel: Paper Feed/ Output group on the Adjustment Settings for Skilled Operators menu, set Pickup Assist Setting to Off. (SP 1-923-001 to 007: LCT Pickup Assist ON/OFF A3LCT Tray <number>)

Special or coated paper is used (LCT A3 only)

- Is the airflow strong enough?

The factory-set airflow of the wide LCT may not be strong enough to separate the sheets. Increase the airflow.

If custom paper is used

In Advanced Settings for the custom paper in use, increase the value in Adjust Wide LCT Fan Level. (SP 1-975-001 to 100: LCT Tray Fan Duty Adjustment Custom Paper 001 to 100)

If custom paper is not used

On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Wide LCT Fan Level > Increase the setting. (SP 1-920-001: LCT Tray Fan Duty Adjustment A3LCT Tray <number>)

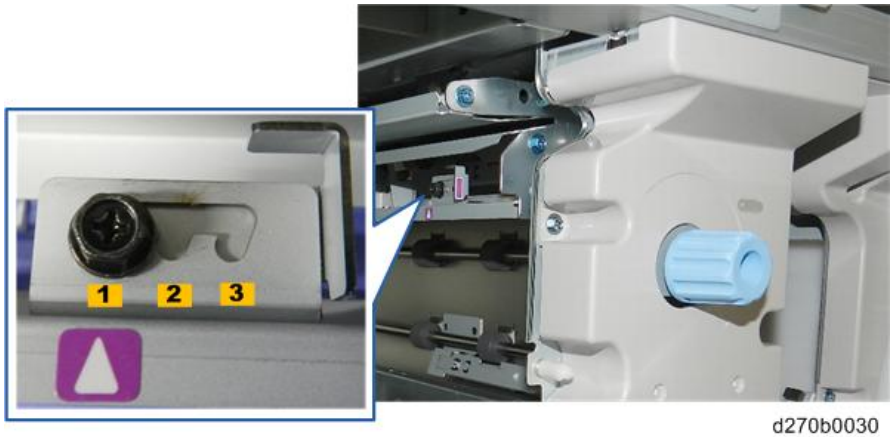
- Is the tab sheet holder attached?

Attach the tab sheet holder to prevent air from leaking at the trailing edge of the paper. This improves paper separation.

Special Paper

- If the notch position adjustment of the PFU where double feeds are occurring is not set at the default position, you may have to adjust it again. Some types of paper may double-feed more often than others,

requiring adjustment. (PFU Separation Roller Nip Adjustment)



False Double Feed Detection

Depending on the cause of the problem, do one the following:

Paper with high paper-to-paper adhesion is used.

Paper with high paper-to-paper adhesion may be wrongly detected as double feeding.

Disable the double feeding detection function.

If custom paper is used

1. In Advanced Settings for the custom paper in use, set Double Feed Detection to Off. (SP 1-956-001 to 100: Dbl-Feed Detect Custom Paper 001 to 100)

If custom paper is not used

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Double Feed Detection > Set to Off. (SP 1-302-001 to 007: Dbl-Feed Detect Tray <number>)

An envelope is being used.

The seams of envelopes may cause double feeds to be erroneously detected.

Disable the double feed detection.

If custom paper is used

1. In Advanced Settings for the custom paper in use, set Double Feed Detection to Off. (SP 1-956-001 to 100: Dbl-Feed Detect Custom Paper 001 to 100)

If custom paper is not used

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Double Feed Detection > Set to Off. (SP 1-302-001 to 007: Dbl-Feed Detect Tray <number>)

The double feed detection sensor is soiled.

- If the double feed detection sensor is soiled with paper dust or other fragments, it may wrongly detect double feeding.
- Clean the double feed detection sensor.

Note

- Disabling double feed detection may reduce print image quality or cause blank sheets to be delivered.

Paper Fails to Feed: Common Problems

Depending on the cause of the problem, do one of the following:

Have you fanned the paper to remove static cling?

- Not fanning the paper properly may cause paper misfeeding.
- Remove the paper, fan it, and reload it.

The side fences in the paper tray are too close together.

- If the distance between the side fences is less than the paper width, it may interfere with paper transfer and so cause paper misfeeds.
- Adjust the paper guides to match the paper width.
- When you close the paper tray, the side fences may become misaligned due to the weight of the paper. To prevent this, close the paper tray slowly.

Special or coated paper is used.

- Is the airflow powerful sufficient?
  The factory-set airflow of the wide LCT may not be strong enough to separate the sheets. Increase the airflow.
  If custom paper is used

In Advanced Settings for the custom paper in use, increase the value in Adjust Wide LCT Fan Level. (SP 1-976-001 to 100: LCT Tray Fan ON/OFF Custom Paper 001 to 100)

If custom paper is not used

- On the machine operation panel: Paper Feed/ Output group on the Adjustment Settings for Skilled Operators menu, increase the value in Adjust Wide LCT Fan Level. (SP 1-920-001 to 003: LCT Tray Fan Duty Adjustment A3LCT Tray <number>)
- Is the tab sheet holder attached?
  Attach the tab sheet holder to prevent air from escaping at the trailing edge of the paper. This improves paper separation.
- Is the paper feed roller covered with paper dust?
  Paper dust on the surface of coated paper may reduce the traction of the paper feed roller and cause paper misfeeding due to paper slippage or insufficient separation. By cleaning the paper feed roller, the frictional force can be restored so that paper misfeeding will not occur. (Cleaning the Paper Feed Path)

An envelope is used.

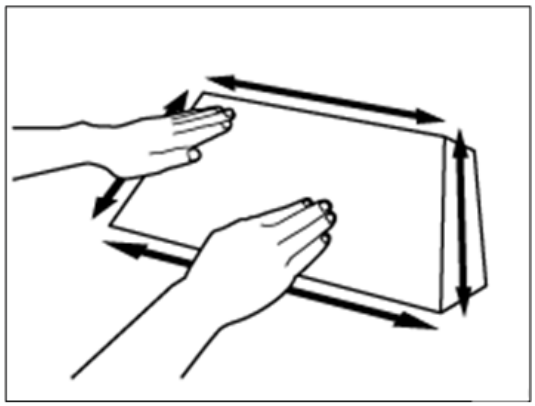
Depending on the type of envelope, air trapped inside may be squeezed out when the paper feed roller picks up the envelope and cause slippage leading to a misfeed.

- Is the wide LCT fan disabled?

In Advanced Settings for the custom paper in use, set Wide LCT Fan Setting to Off. (SP 1-976-001 to 100: LCT Tray Fan ON/OFF Custom Paper 001 to 100)

- Have you flattened the envelope?

Flatten the envelope and all its edges to eliminate air before loading. If the envelope is curled, decurl it before loading.



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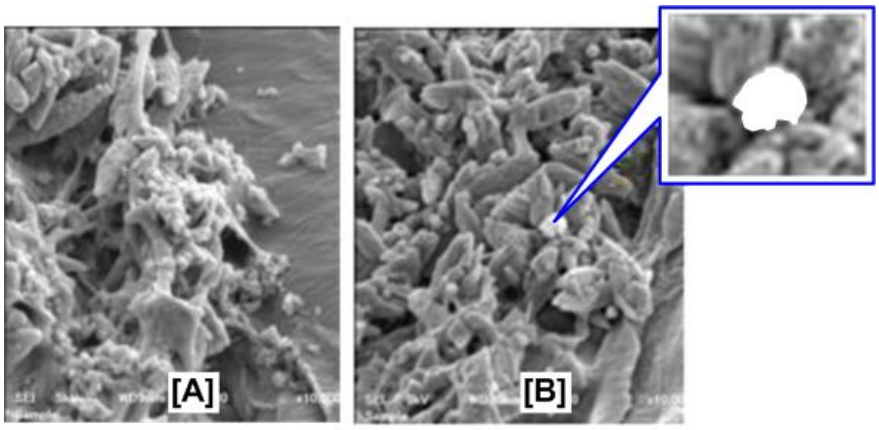
Paper Fails to Feed: Worn Rollers

Loss of Friction on Roller Surfaces

Paper with a high ash content (calcium carbonate) can cause paper feed jams in the paper feed units of the main machine and LCIT RT5070 or RT5080. In the photo below, [A] shows normal paper fibers and [B] shows paper fibers contaminated by extremely fine calcium carbonate particles.



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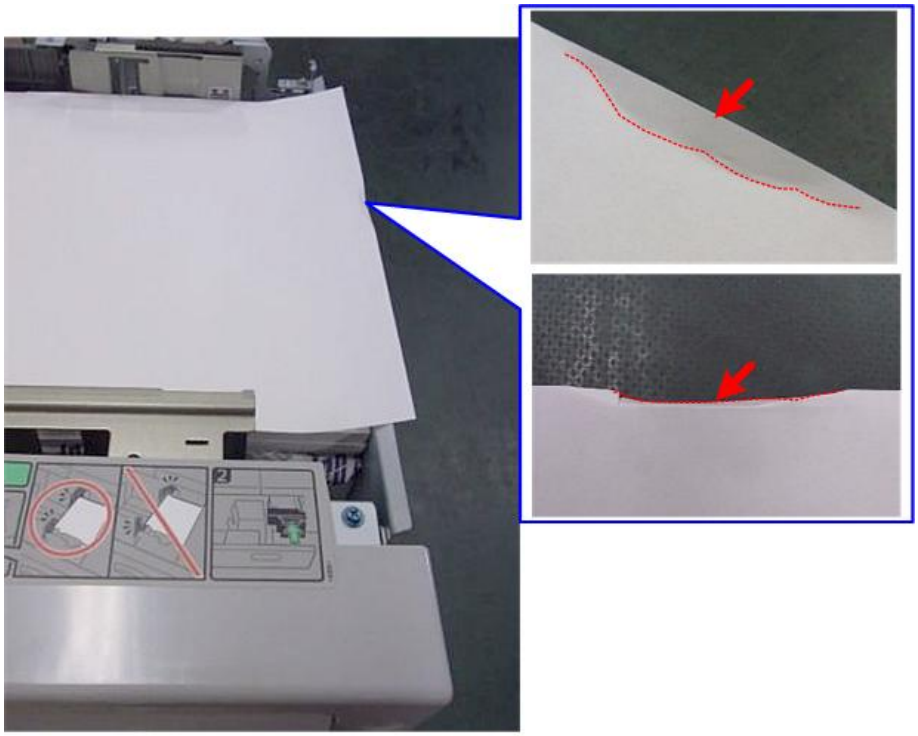
These particles are extremely small and easily transferred from the paper to roller surfaces. This causes the roller surfaces to become slick so they no longer have enough friction to grip the paper for efficient paper feeding.
Signs of this problem are:

- Paper fails to feed and starts causing frequent jams at the 50K service life of the rollers
- Rollers appear smooth and have not reached the end of service life
- Paper dust appears powdery, not grainy

- Leading edges of paper appear damaged as shown below



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Main Machine

Cause

Paper dust adheres to the surfaces of the rollers in the paper feed units of the main machine, the rollers become smooth, and then slip on the surface of the paper. The paper fails to feed out of the paper tray.

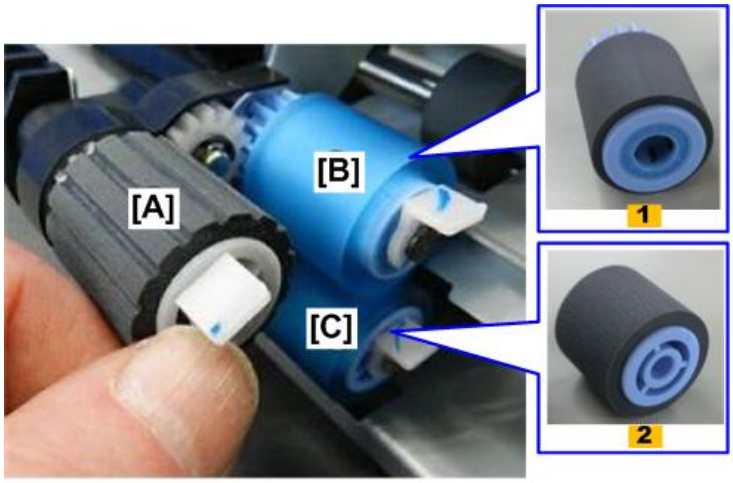
Solution

Two rollers can be replaced with EPDM rollers to improve feed performance. If the customer is using paper with a high ash content, replace the feed and reverse rollers in the paper feed units.

Description	Q'ty
Paper Feed Roller	1
Paper Separation Roller	1

The photo shows the configuration of the rollers in each paper feed unit. Only two of the three rollers need to be replaced.

No.	Roller	Comment
[A]	Pick-up roller	Do not replace
[B]	Feed roller	Replace with EPDM Roller [1]
[C]	Reverse (separation) roller	Replace with EPDM Roller [2]



m263b4003

LCIT RT5070/RT5080

Cause

Paper dust adheres to the surfaces of the rollers in the LCIT paper feed units, the rollers become smooth, and then slip on the surface of the paper. The paper fails to feed out of the paper tray.

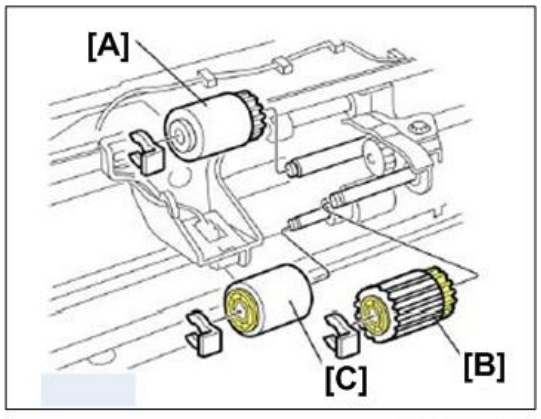
Solution

Three rollers can be replaced with EPDM rollers to improve feed performance. If the customer is using paper with a high ash content, replace the pick-up roller, feed roller, and separation roller in the paper feed units.

Description	Q'ty
Pick-up roller	1
Feed roller	1
Separation roller	1

The photo shows the configuration of the rollers in each paper feed unit. Three rollers need to be replaced:

No.	Roller	Comment
[A]	Pick-up roller	Replace with EPDM pick-up roller
[B]	Feed roller	Replace with EPDM feed roller
[C]	Reverse (separation) roller	Replace with EPDM separation roller



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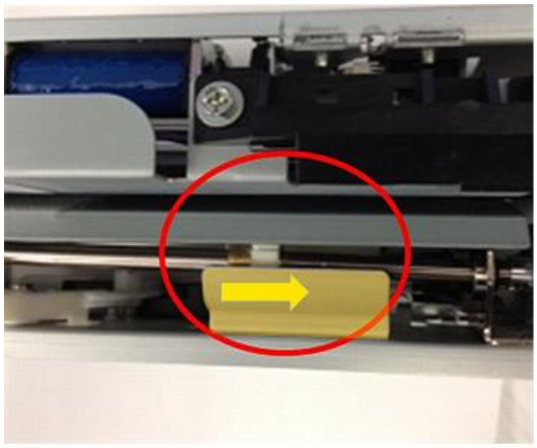
Note

- Two rollers are replaced in each paper feed unit of the main machine.
- Three rollers are replaced in each paper feed unit of the LCITs.

After Roller Replacement

After installing the EPDM rollers, sliding the reverse roller gear 10 mm toward the front can improve paper feed.



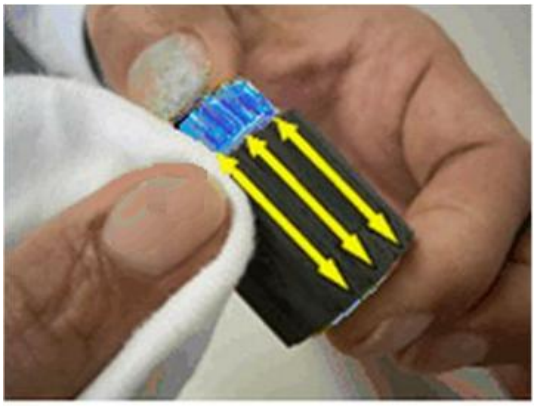
m263b4004

Important

- The service life of each EPDM roller is 300K. This is shorter than the service life of the urethane rollers (1000K). Replace the standard urethane rollers with the EPDM rollers only if the customer is experiencing serious paper feed problems.

If no-feed jams start to occur before the EPDM rollers have reached the end of their service life, clean the rollers.

1. Remove the three rollers (pick-up, feed, and separation roller).
2. Moisten a clean cloth with some water.
3. Slowly wipe the surface of each roller in the direction of the arrows as shown to remove the paper dust.



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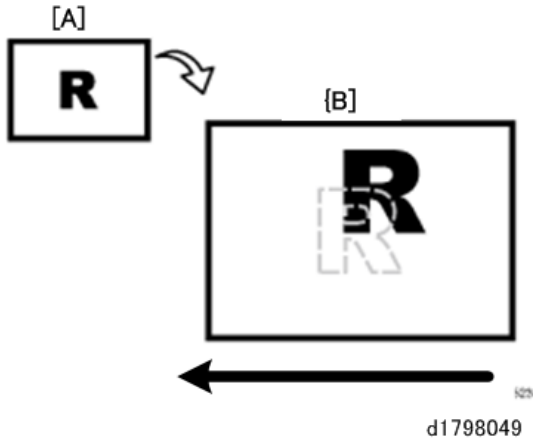
4. Allow the rollers to dry completely before you re-install them in the machine.

Paper Feed Problems Affecting Image Quality

Image Out of Position



[A]	Original
[B]	Output

Cause:

Depending on the paper thickness, floppiness, edge roughness, and curl, the image may fall out of alignment.

Solution:

Adjust the image position.

If custom paper is used

In Advanced Settings for the custom paper in use, adjust the image position.

Side 1

- To adjust the position vertically, change the value in Adj Image Position of Side1 With Feed. (SP 1-952-001 to 100: Image Pos:Main:Side1 Custom Paper 001 to 100)
- To adjust the position horizontally, change the value in Adj Image Position of Side1 Across Feed. (SP 1-950-001 to 100: Image Pos:Sub:Side1 Custom Paper 001 to 100)

Side 2

- To adjust the position vertically, change the value in Adj Image Position of Side2 With Feed. (SP 1-953-001 to 100: Image Pos:Main:Side2 Custom Paper 001 to 100)
- To adjust the position horizontally, change the value in Adj Image Position of Side2 Across Feed. (SP 1-951-001 to 100: Image Pos:Sub:Side2 Custom Paper 001 to 100)

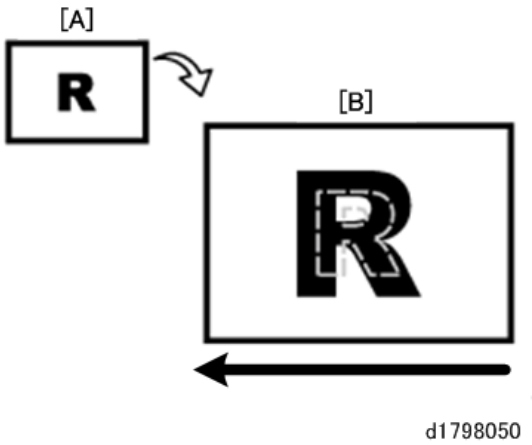
If custom paper is not used

On the machine operation panel: Adjustment Settings for Skilled Operators > Image Position > Adjust the image position.

- To adjust the position horizontally, change the value in Adjust Image Position With Feed Direction. (SP1-001-001 to 008: Lead Edge Reg Thick <number>)
- To adjust the position vertically, change the value in Adjust Image Position Across Feed Direction. (SP1-003-001 to 008: Side-to-Side Reg Tray <number>)
- If the problem persists even though you have adjusted the setting to its maximum and minimum values,

consult the product specialist.

Image Scaling Error on Side 1 of the Paper



d1798050

[A]	Original
[B]	Output

Cause:

An image scaling error may occur because of expansion or contraction of the paper.

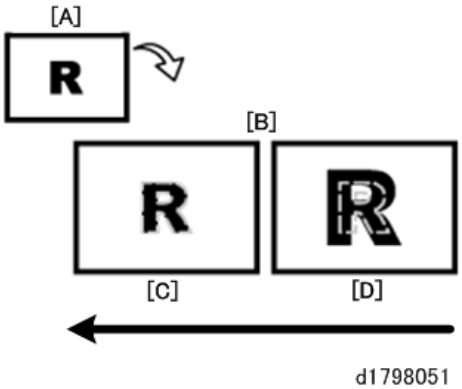
Solution:

Adjust the image scaling.

1. In Advanced Settings for the custom paper in use, adjust the image scaling.
   - To adjust the horizontal scaling, change the value in Adj Magnification of Side1 Across Feed. (SP 2-950-001 to 100: Face Main Mag set & Adj Custom Paper 001 to 100)
   - To adjust the vertical scaling, change the value in Adj Magnification of Side1 With Feed. (SP 2-951-001 to 100: Face Sub Mag set & Adj Custom Paper 001 to 100)
2. Press [+] to increase the scaling and [-] to decrease it.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	If the problem persists even though you have adjusted the setting to its maximum and minimum values, consult the product specialist.

Image Scaling Error on Side 2 of the Paper



d1798051

[A]	Original
[B]	Output
[C]	Side 1
[D]	Side 2

Cause:

An image scaling error on side 2 of the paper may occur because the paper expands or contracts after the image on side 1 of the paper has been fused.

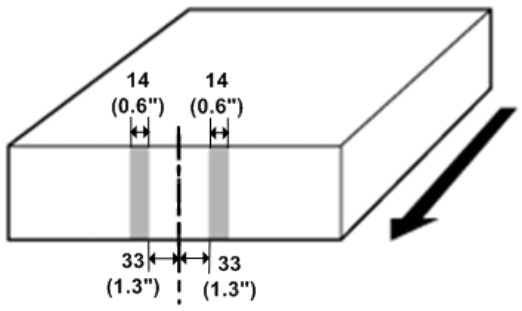
Solution:

Adjust the scaling for side 2 of the paper and minimize the difference in print size between side 1 and side 2.

1. In Advanced Settings for the custom paper in use, adjust the image scaling.
   - To adjust the horizontal scaling, change the value in Adj Magnification of Side2 Across Feed. (SP 2-952-001 to 100: Verso Main Mag set & Adj Custom Paper 001 to 100)
   - To adjust the vertical scaling, change the value in Adj Magnification of Side2 With Feed. (SP 2-953-001 to 100: Verso Sub Mag set & Adj Custom Paper 001 to 100)
2. Press [+] to increase and [-] to decrease the scaling.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Paper Edges Dirty 1 (Exit Rollers)



d1798052

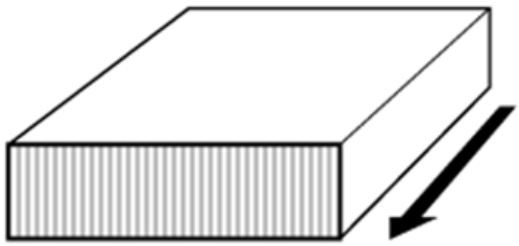
Cause:

The exit rollers in the drawer are dirty.

Solution:

Clean the exit rollers in the drawer.

Paper Edges Dirty 2 (Brushes)



d1798053

Cause:

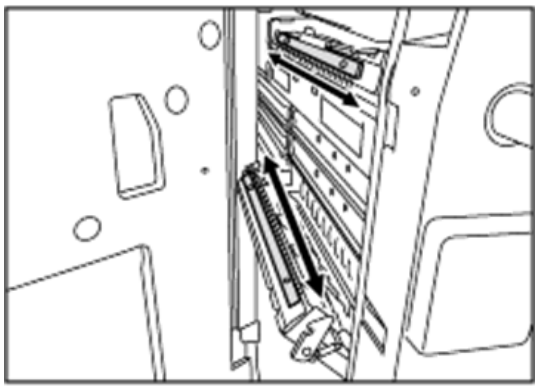
The antistatic brushes in the exit transport and invert transport of the drawer are dirty or the anti-static brushes in Finisher SR5050/SR5060 are dirty.

Solution:

Carry out the following sequence of procedures. Terminate the sequence as soon as the problem is resolved.

Procedure 1

1. Clean the antistatic brushes in the exit transport and inverter transport of the drawer with a blower brush.



d1798054

Procedure 2

Note

- Apply this procedure only when: 1) A back-curl is required to flatten curls with the decurl unit, and 2) Sheets are delivered with their printed side facing up in the post-processing machine.

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Check the current decurl setting (Off, Weak, or Strong). (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. Is it "Adjust Convex Curl: Weak" or "Adjust Convex Curl: Strong"?

Yes	Go to the next step.
No	Consult the product specialist.

3. Is this setting essential?

Yes	Go to the next step.
No	Set Adjust Paper Curl to "Adjust Convex Curl: Off" (set it back to the default value).

4. Are the sheets delivered with their printed side facing up.

Yes	Go to the next step.
No	Contact your service representative.

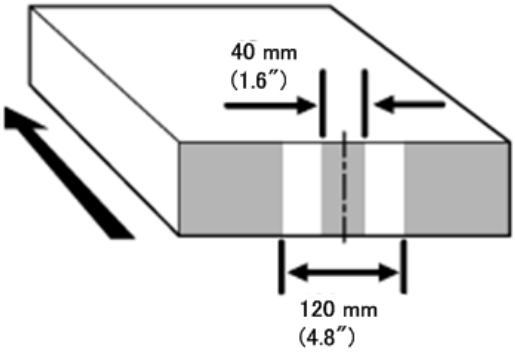
5. Is this setting essential?

Yes	Consult the product specialist.
No	Change the setting so that the sheets are delivered with their printed side facing down.

6. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Paper Edges Dirty 3 (Drum Speed)



d1798055

Cause:

The paper feed speed of the decurl unit is too high.

Note

- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see “3. Custom Paper Settings for Administrator” in the TCRU “Adjustment Item Menu Guide”
- Decreasing the paper feed speed of the decurl unit may result in creases, scratches, or paper jams if thin paper is used.

Solution:

You can lessen the problem by decreasing the paper feed speed of the decurl unit.

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Check the decurl setting (Off, Weak, or Strong) in. (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. In Advanced Settings for the custom paper in use, adjust the paper feed speed of the decurl unit.
   - If the degree of decurling is set to "Off", reduce the value in Decurler Feed Speed Adj: Curl Adj Off by 0.5%. (SP 1-959-001 to 100: Line Speed Adjust:Default Pos Custom Paper 001 to 100)
   - If the degree of decurling is set to "Weak", reduce the value in Decurler Feed Speed Adj: Curl Adj Weak by 0.5%. (SP 1-960-001 to 100: Line Speed Adjust:Pos.1 Custom Paper 001 to 100)
   - If the degree of decurling is set to "Strong", reduce the value in Decurler Feed Speed Adj: Curl Adj Strg by 0.5%. (SP 1-961-001 to 100: Line Speed Adjust:Pos.2 Custom Paper 001 to 100)

3. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep decreasing the value by 0.5% until the problem is resolved. If the problem persists even though the setting has reached its minimum value, consult the product specialist.

Images Scratched, Streaked, Creased

Cause:

The paper feed speed of the exit motor, switchback entrance, or switchback exit is too high or too low.

Solution:

If scratches or streaks appear on side 2 of the paper

You can lessen the problem by decreasing the paper feed speed.

1. In Advanced Settings for the custom paper in use, adjust the paper feed speed for delivery.
   Depending on the type of printing, specify one of the following:
   - For one-sided printing, reduce the value in Exit Motor Feed Speed Adjustment by 0.1%. (SP 1-964-001 to 100: Exit Motor Spd: Fine Adj Custom Paper 001 to 100)
   - For duplex printing, reduce the value in Switchback Entrance Feed Speed Adj by 0.1%. (SP 1-965-001 to 100: Invert Entrance Spd: Fine Adj Custom Paper 001 to 100)
   - For one-sided printing (delivery of inverted paper), reduce the value in Switchback Exit Feed Speed Adj by 0.1%. (SP 1-966-001 to 100: Invert Exit Spd: Fine Adj Custom Paper 001 to 100)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep decreasing the value by 0.1% until the problem is resolved. If the problem persists even though you have decreased the value by 1.0%, consult the product specialist.

If scratches or streaks appear on side 1 of the paper

You can lessen the problem by increasing the paper feed speed.

1. In Advanced Settings for the custom paper in use, adjust the paper feed speed for delivery.
   Depending on the type of printing, specify one of the following:
   - For one-sided printing, increase the value in Exit Motor Feed Speed Adjustment by 0.1%. (SP 1-964-001 to 100: Exit Motor Spd: Fine Adj Custom Paper 001 to 100)
   - For duplex printing, increase the value in Switchback Entrance Feed Speed Adj by 0.1%. (SP 1-965-001 to 100: Invert Entrance Spd: Fine Adj Custom Paper 001 to 100)
   - For one-sided printing (delivery of inverted paper), increase the value in Switchback Exit Feed Speed Adj by 0.1%. (SP 1-966-001 to 100: Invert Exit Spd: Fine Adj Custom Paper 001 to 100)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep increasing the value by 0.1% until the problem is resolved. If the problem persists even though you have increased the value by 1.0%, consult the product

	specialist.

Decurling Causes Scratches, Streaks, or Creases

Cause:

The paper feed speed of the decurl unit is too high or too low.

Solution:

If scratches or streaks appear on side 2 of the paper or continuous noise results

You can lessen the problem by decreasing the paper feed speed of the decurl unit.

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/Output > Adjust Paper Curl > Check the current decurl setting (Off, Weak, or Strong) in. (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. In Advanced Settings for the custom paper in use, adjust the paper feed speed of the decurl unit.
   - If the degree of decurling is set to "Off", reduce the value in Decurler Feed Speed Adj: Curl Adj Off by 0.5%. (SP 1-959-001 to 100: Line Speed Adjust: Default Pos Custom Paper 001 to 100)
   - If the degree of decurling is set to "Weak", reduce the value in Decurler Feed Speed Adj: Curl Adj Weak by 0.5%. (SP 1-960-001 to 100: Line Speed Adjust:Pos.1 Custom Paper 001 to 100)
   - If the degree of decurling is set to "Strong", reduce the value in Decurler Feed Speed Adj: Curl Adj Strg by 0.5%. (SP 1-961-001 to 100: Line Speed Adjust:Pos.2 Custom Paper 001 to 100)
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep decreasing the value by 0.5% until the problem is resolved. If the problem persists even though the setting has reached its minimum value, consult the product specialist.

If scratches, streaks, or creases appear on side 1 of the paper

You can lessen the problem by increasing the paper feed speed of the decurl unit.

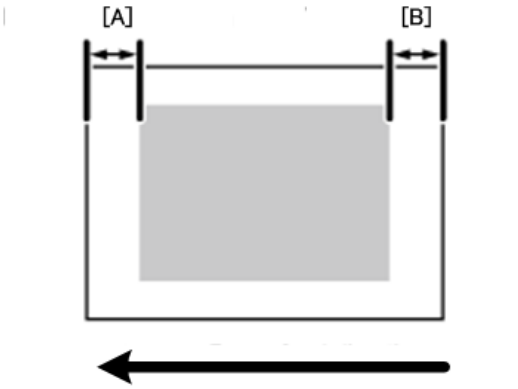
1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/Output > Adjust Paper Curl > Check the current decurl setting (Off, Weak, or Strong) in. (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. In Advanced Settings for the custom paper in use, adjust the paper feed speed of the decurl unit.
   - If the degree of decurling is set to "Off", increase the value in Decurler Feed Speed Adj: Curl Adj Off by 0.5%. (SP 1-959-001 to 100: Line Speed Adjust:Default Pos Custom Paper 001 to 100)
   - If the degree of decurling is set to "Weak", increase the value in Decurler Feed Speed Adj: Curl Adj Weak by 0.5%. (SP 1-960-001 to 100: Line Speed Adjust:Pos.1 Custom Paper 001 to 100)
   - If the degree of decurling is set to "Strong", increase the value in Decurler Feed Speed Adj: Curl Adj Strg by 0.5%. (SP 1-961-001 to 100: Line Speed Adjust:Pos.2 Custom Paper 001 to 100)
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Keep increasing the value by 0.5% until the problem is resolved. If the problem persists even though the value has reached its maximum value, consult the product specialist.

Leading or Trailing Edge Margin too Wide

Cause:

The default settings for the leading and trailing edge margins (white space) of the paper in use are too wide to prevent paper jams..



d1798056

[A]	Leading Edge Margin
[B]	Trailing Edge Margin

Solution:

Adjust the leading/trailing edge margins.

1. In Advanced Settings for the custom paper in use, reduce the value by 0.5 mm in Adjust Erase Margin of Leading Edge. (SP 2-122-001 to 100: Erase Margin Adj Leading Edge Custom Paper 001 to 100)
2. Reduce the value by 0.5 mm in Adjust Erase Margin of Trailing Edge.
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist. If this results in a paper jam during duplex printing, restore the previous setting.

Note

- The adjusted margin cannot be applied to masked images that are solid-filled or contain ruled lines at the leading/trailing edges.
- Reducing the leading/trailing edge margin may result in a paper jam on the fusing belt stripper plate.

Excessive Paper Curl

To eliminate curling without using the decurl unit, lower the heat roller temperature.

Lowering the temperature may result in:

- Unsatisfactory fusing
- Reduced glossiness
- Smeared for halftone images on uncoated paper

1. In Advanced Settings for the custom paper in use, select Fusing Heat Roller Temperature Adj and reduce the value by 5 °C. (SP 1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100)
2. Print a full-page solid-fill image. Is the problem resolved?

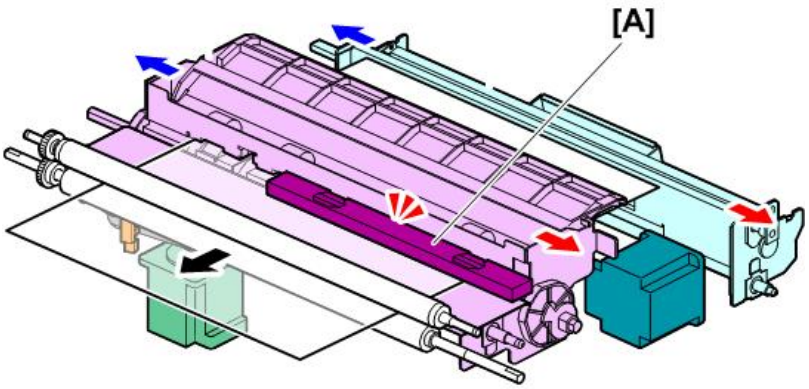
Yes	Finished!
No	Further reduce the value by 5 °C until the problem is resolved. If the problem persists, consult the product specialist.

Note

- To use the decurl unit, specify Adjust Paper Curl On the machine operation panel: Paper Feed/ Output group on the Adjustment Settings for Skilled Operators menu. (SP 1-906-001 to 011: De-curler Setting Tray <number> :Paper Path Selection)

JAM 49, JAM 50

Incorrect settings for colored paper can cause problems with skew and shift in the registration unit. When this happens, the machine will issue JAM 49 (Over Skew or JAM 50 (Over Shift).
The Leading Edge (LE) Shift Unit is equipped with a CIS (Contact Image Sensor) [A] that detects the reflection of the leading edge of every sheet of paper as it passes.

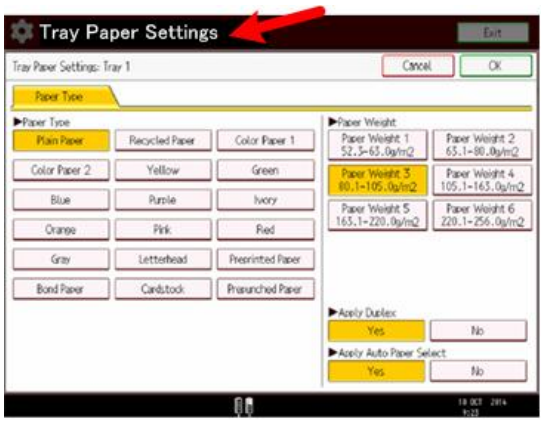


d179b4003

The luminance of the reflection is determined by the color of the paper, so it is very important that the color setting for the paper in use is correct. If the color setting is wrong, this could cause incorrect CIS readings which can cause paper jams.

Available paper types

A variety of paper types can be selected on Tray Paper Settings dialog box:
Plain Paper • Recycled Paper • Color Paper 1 • Color Paper 2 • Green • Blue • Purple • Ivory • Orange • Pink • Red • Gray • Letterhead • Preprinted Paper • Bond Paper • Cardstock • Label Paper • Translucent Paper • OHP (Transparency) • Pre-punched Paper • Tab Stock



d179b4004

Important

- A paper type can be selected for each tray.
- If OHP Transparency is selected, this automatically cancels side-to-side registration.

CIS LED light intensity

The system determines the CIS LED light intensity based on the type of paper selected, as shown in the table below. "Magnification" in the table denotes the LED light intensity.

Mode	Magnification	Paper Type
Mode_1	1.52	Plain Paper, Recycled Paper Yellow, Letterhead, Preprinted Paper, Bond Paper, Cardstock, Label Paper, Translucent Paper, Prepunched Paper, Tab Stock
Mode_2	2.01	Color Paper 1, Orange, Pink, Ivory, Gray
Mode_3	3.53	Color Paper 2, Blue, Red, Green, Purple, Tracing Paper

Note

- If type of paper in use is not included list of options in the Tray Paper Settings dialog box, refer to the table above and choose the closest paper type. This will apply the most suitable CIS LED light intensity for best results.

Other Solutions

Here are some suggestions:

- Specify a darker paper color, for example, change to Color Paper 1 or to Color Paper 2.
- If the job is printed on paper of different colors, specify the darkest color.
- If the problem occurs even with the Mode 3 setting (Color Paper 2), increase the CIS LED light intensity by following the procedure below.

Adjustments

1. Go into the SP mode and adjust the settings of SP1916-003.
   1.00 to 5.00/3.53 (default)/0.001 Step
2. Try Advanced Settings
   Login > Paper Setting> Edit Custom Paper > Select the paper in use > Change > Under “Advanced Settings” > Select 06 (Color Paper Edge Detection Adjustment).

3. Do not select a value that is too high.

Important

- Doing so may cause jams because the CIS detects diffused reflection from the surrounding components, such as the guide plates, for example.
- The high value could also shorten the CIS service life.

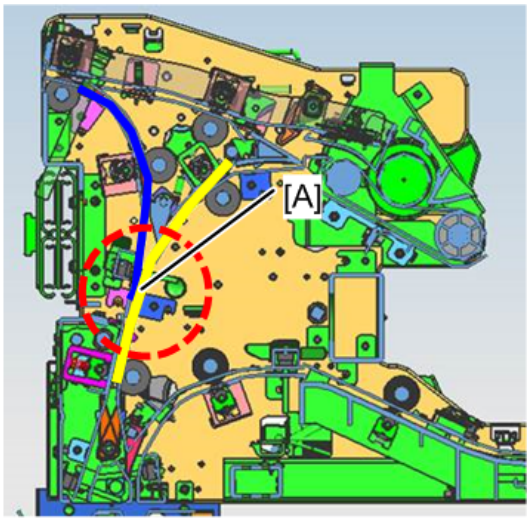
Paper Jams in the Main Machine

Coated Paper Larger than A4

Jams 85, 86, and 87 can occur frequently with coated paper during face down delivery due to adhesion between sheets under the following conditions:

- Paper sizes larger than A4
- Paper thickness less than Thk 4 (105.1 to 163.0 g/m^2)
- Paper type: Coated
- Print mode: Inverted for face down delivery

If a jam occurs, it will usually take place at [A].



d270d6739

Procedure 1

Change the setting for either duplex or face-up delivery.

1. On the Copy screen, select "Duplex".

2. On the same screen, deselect "Invert Exit".

Procedure 2

- Adjust the CPM down setting.

1. Set the CPM down setting for 75%.

2. Go into the SP mode and adjust the setting with SP1-988-1xx (CPM Adjust) for the paper type and paper weight. For example, open SP1-988-144 for Glossy Paper, Thk 4, and then change the default value from 100% to 75%.

- Adjust Page Interval Before Fusing

1. Open the Trained Operator menu, and then select "Menu Items in Advanced Settings: Paper Feed Interval Setting" to adjust the width of the interval between sheets entering the fusing unit.
2. Change the value from 100% to 50%

Note

The machine will adjust the optimal temperature for the selected paper type, so this may slow the line speed slightly.

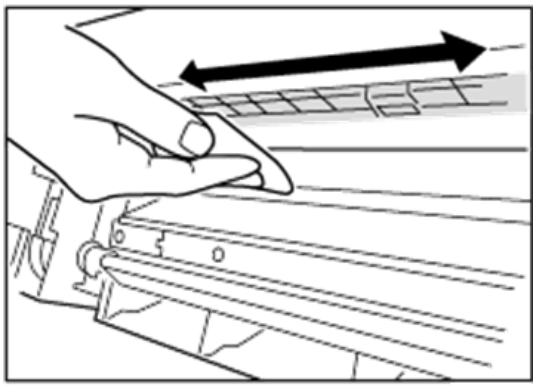
Cleaning the Paper Feed Path

Paper dust sticking to the paper transfer guide board, roller, paper feed roller, or sensor may cause white spots, paper jam, or double feeding. Clean the paper feed path from the paper tray to the paper exit in the drawer.

⚠CAUTION

- Before cleaning always turn off the system and disconnect the main machine from its power source.
- Allow the machine to cool for 10 minutes before you start cleaning.

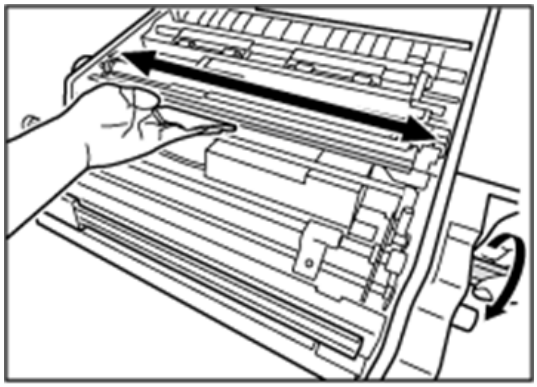
1. **Guide Board**. Wipe the guide board with a well-wrung-out damp cloth. To clean the innermost recesses, use a cloth that is as large as your palm.



d1798057

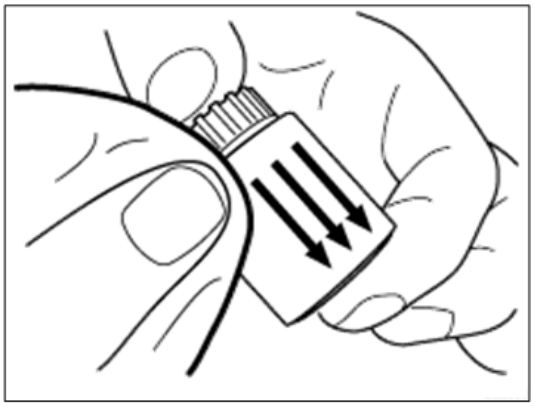
2. **Roller**. Wipe the roller with a well-wrung-out damp cloth, and then wipe with a dry, unused, lint-free cloth

until no moisture remains.



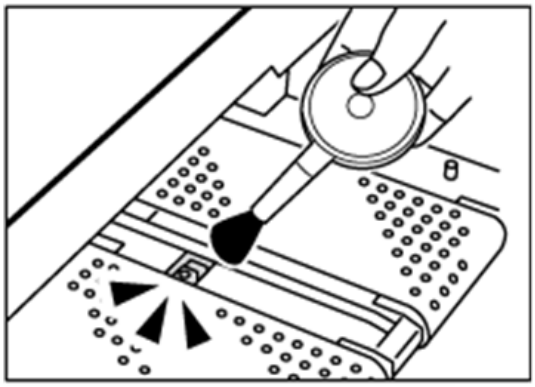
d1798058

3. **Paper Feed Roller**. Wipe the entire surface of the paper feed roller lengthwise with a well-wrung-out damp cloth, and then wipe with a dry, unused, lint-free cloth until no moisture remains.



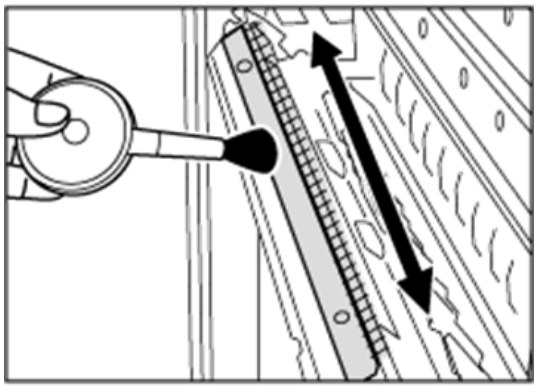
d1798059

4. **Sensor**. Remove dust with a blower brush.



d1798060

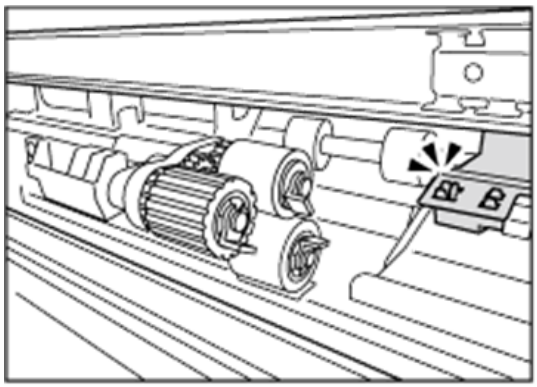
5. **Antistatic Brush**. Remove dust with a blower brush.



d1798061

Cleaning Paper Trays 1-3

1. Remove the paper tray.
2. Clean the sensor.



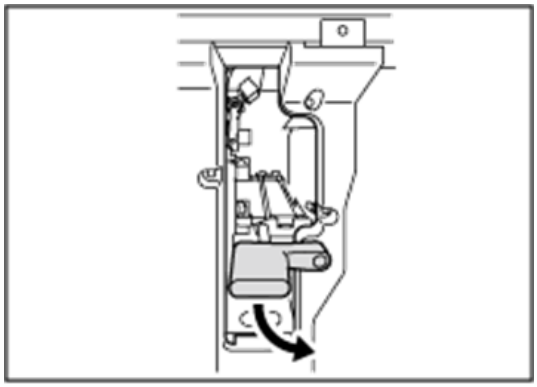
d1798062

Cleaning the Paper Feed Path for Paper Trays 1-3

1. Open the front doors.

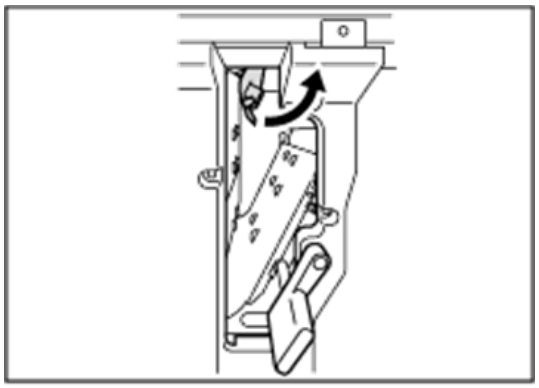
d1798063

2. Pull down the lever **A1**.



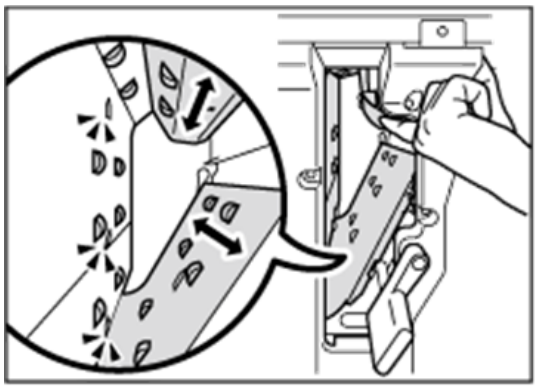
d1798064

3. Pull up the plate.



d1798065

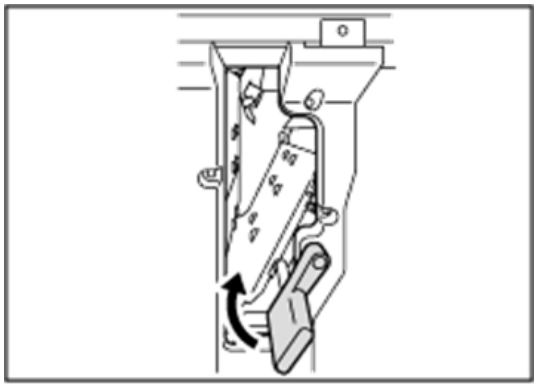
4. Clean the rollers, sensors, and guide plates.



d1798066

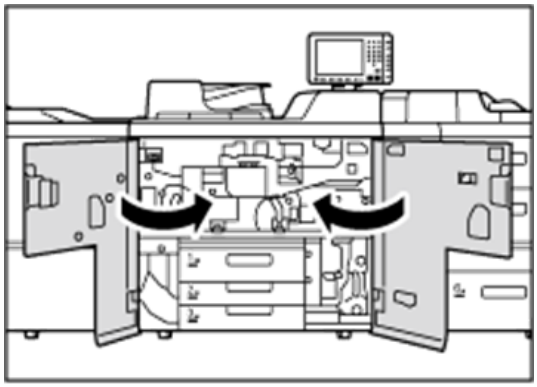
5. Pull down the plate.

6. Pull up the lever **A1**.



d1798067

7. Close the front doors.



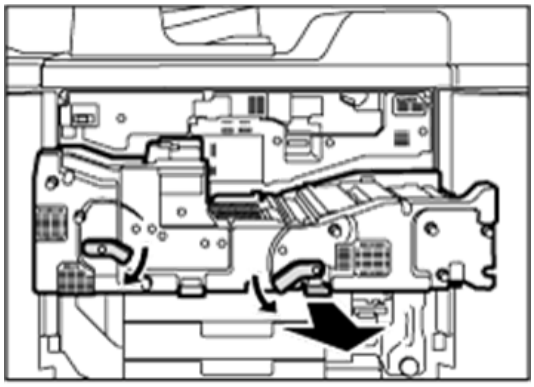
d1798068

Cleaning the Paper Feed Path in the Drawer

1. Open the front doors.

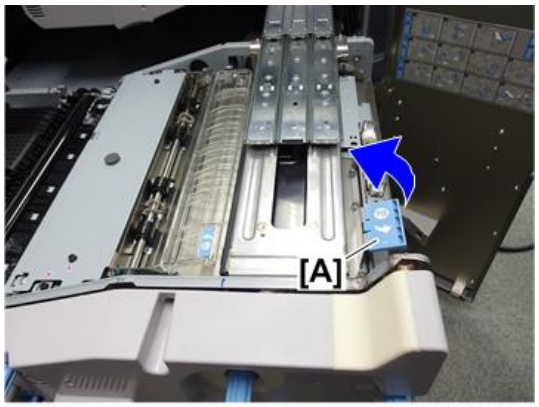
d1798069

2. Pull down the levers **C1** and **C2**, and then pull the drawer out completely until it stops.



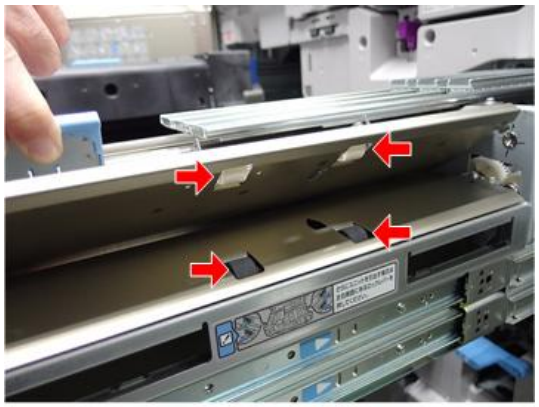
d1798070

3. Pull up and open the cover **B6** [A].



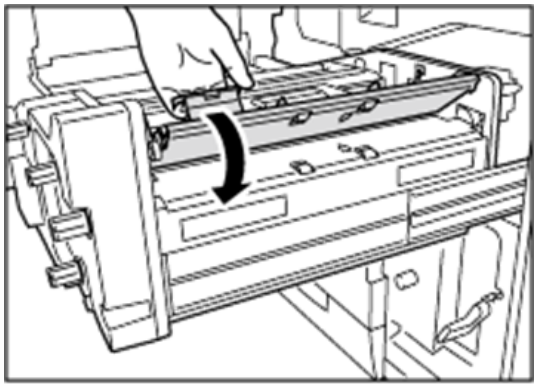
d270d6702

4. While holding **B6** open, clean the rollers, sensors and guide plates.



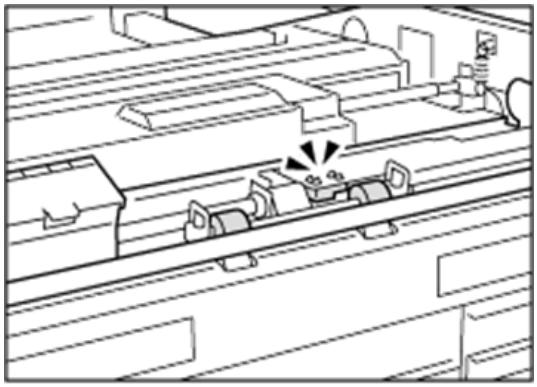
d270d6703

5. Close the cover **B6**.



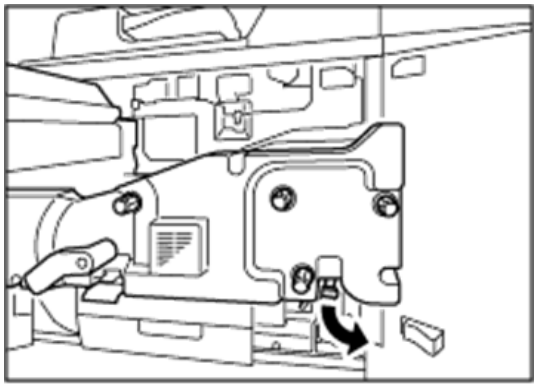
d1798073

6. Clean the rollers and sensors.



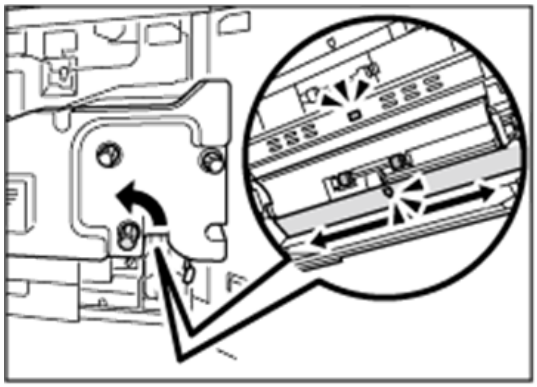
d1798074

7. Pull down and open the cover **B3**.



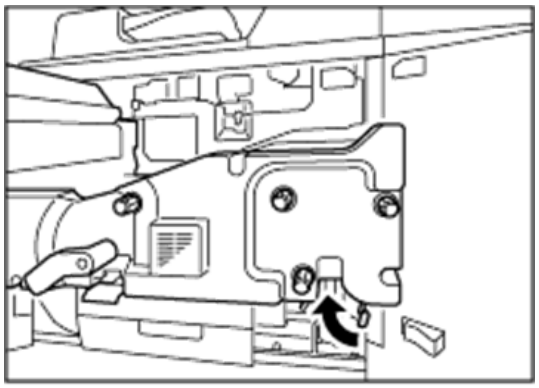
d1798075

8. Clean the rollers while turning the knob **B1**. Clean the sensors and guide plates also.



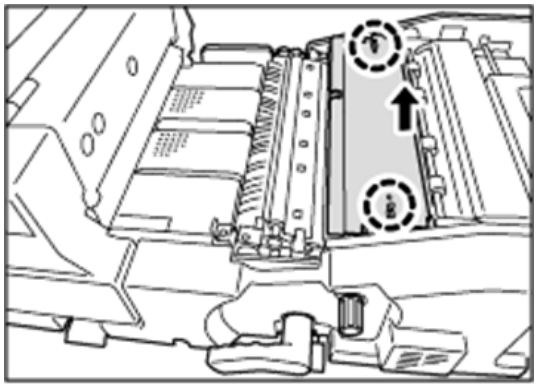
d1798076

9. Close the cover **B3**.



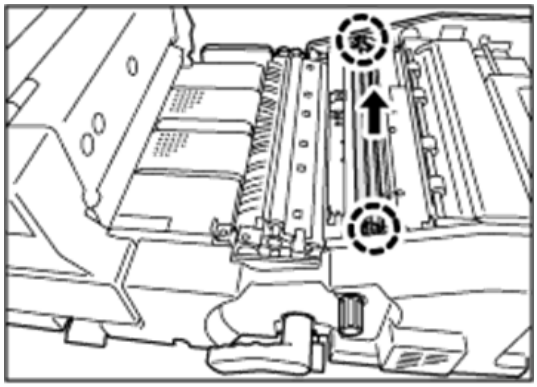
d1798077

10. Remove the 2 screws, and then remove the cover.



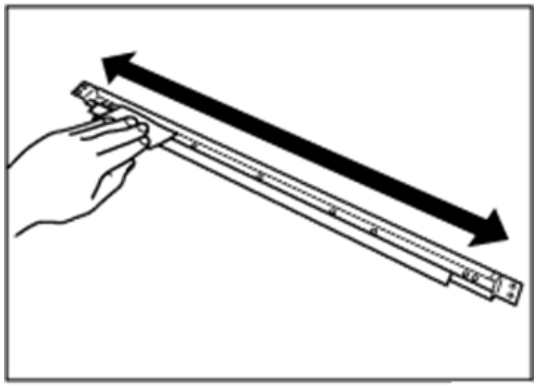
d1798078

11. Remove the 2 screws, and then remove the dust catcher.



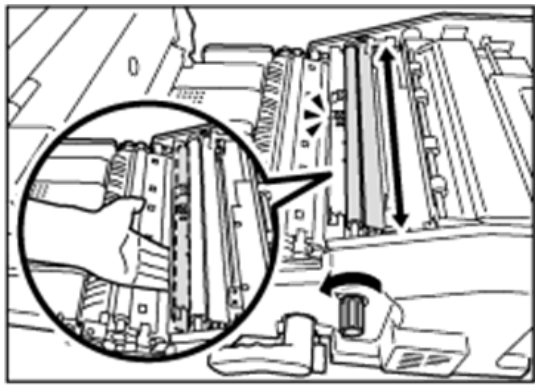
d1798079

12. Clean the dust catcher.



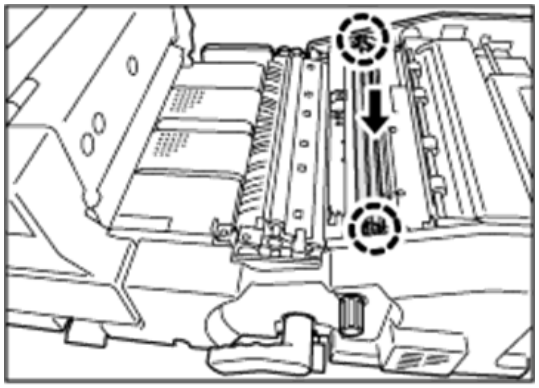
d1798080

13. Clean the roller while turning the knob **B5**. Clean the sensor, guide plate, and roller in the paper transfer unit also.



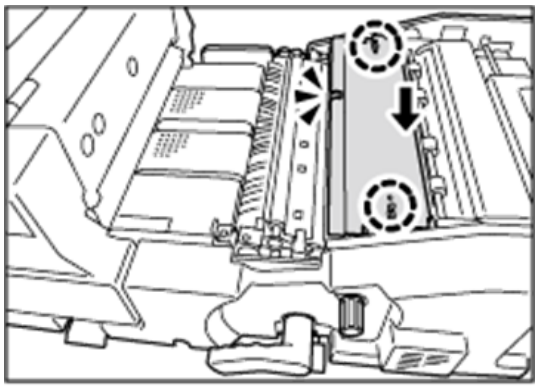
d1798081

14. Attach the dust catcher, and then secure it with the 2 screws.



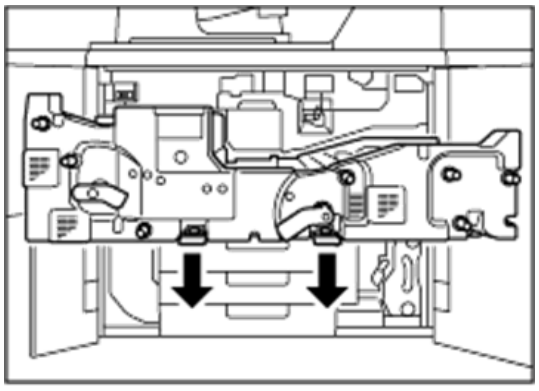
d1798082

15. Attach the cover, aligning the notch on the cover with the claw, and then secure it with the 2 screws.



d1798083

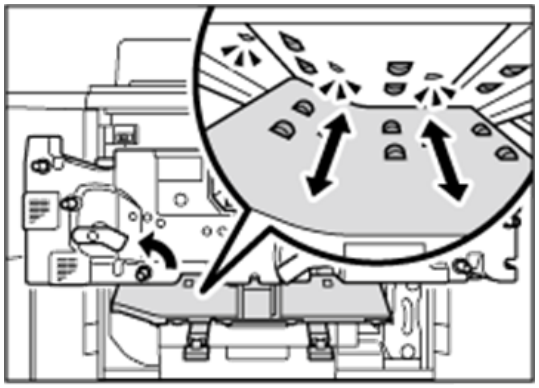
16. Pull down the levers **Z2** and **Z3**.



d1798084

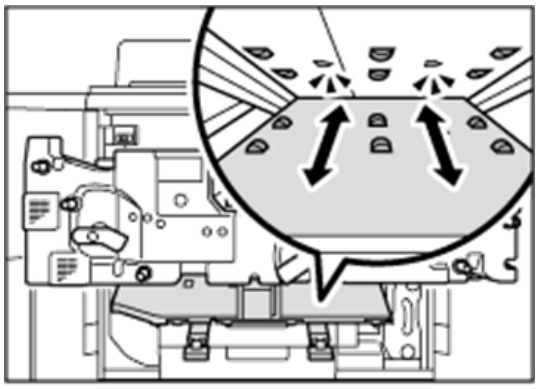
17. Clean the left-hand side rollers while turning the knob **Z1**. Clean the left-hand side sensors and guide plates

also.



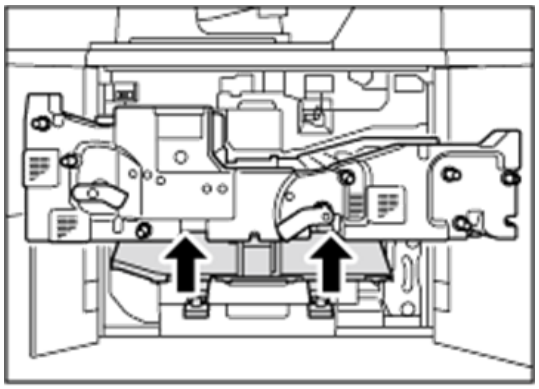
d1798085

18. Clean the right-hand side rollers, sensors, and guide plates.



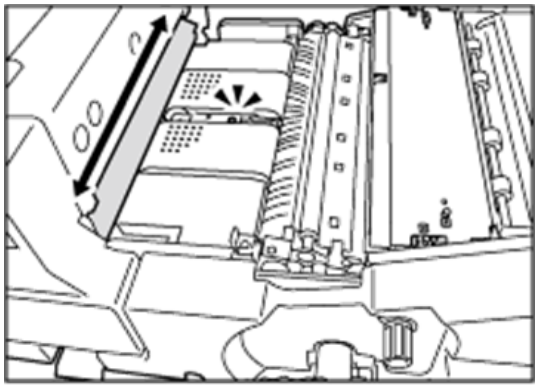
d1798086

19. Pull up the levers **Z2** and **Z3**.



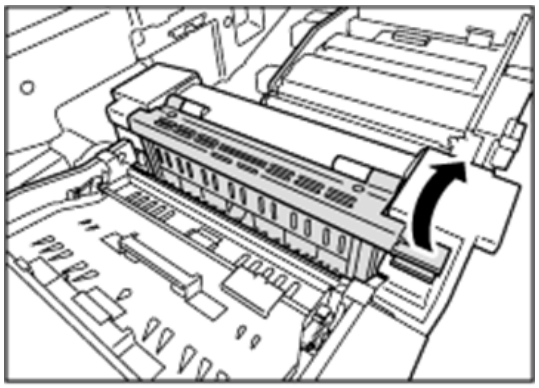
d1798087

20. Clean the sensor and guide plate on the entrance of the fusing unit.



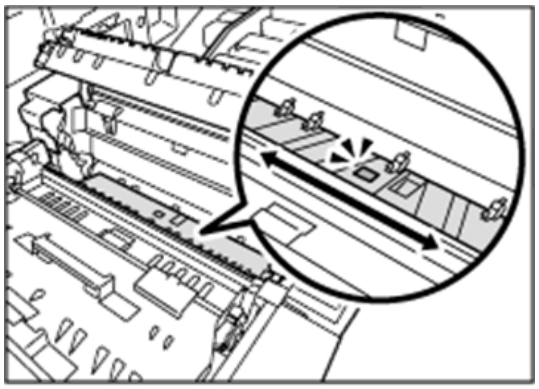
d1798088

21. Pull up and open the cover **D2**.



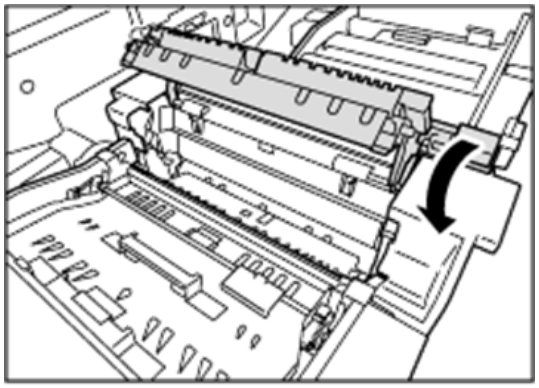
d1798089

22. Clean the sensor and guide plate.



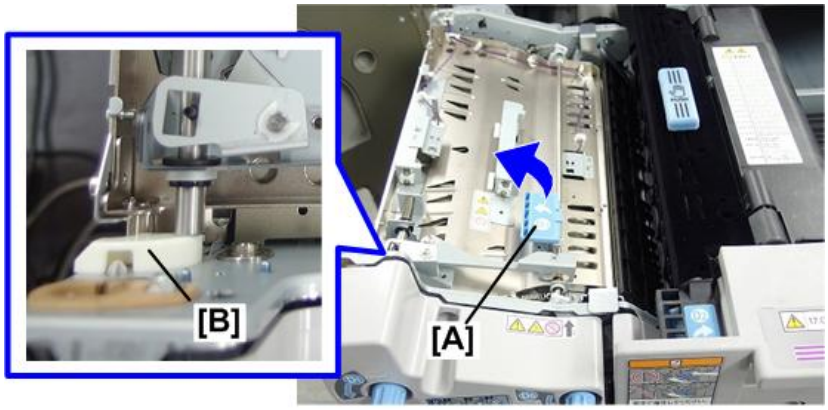
d1798090

23. Close the cover **D2**.



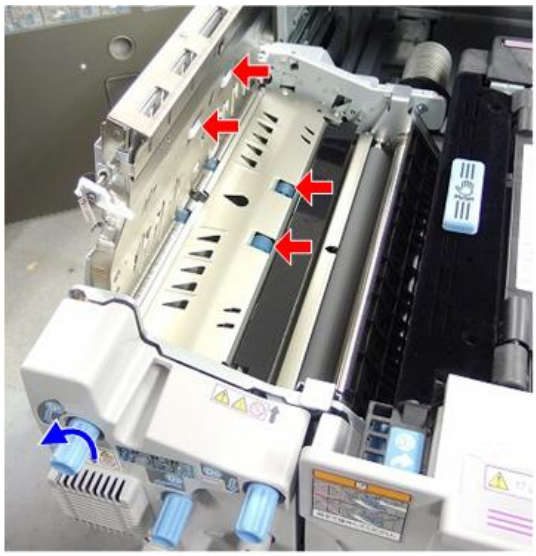
d1798091

24. Raise cover **D3** [A] until [B] locks and the cover remains open.



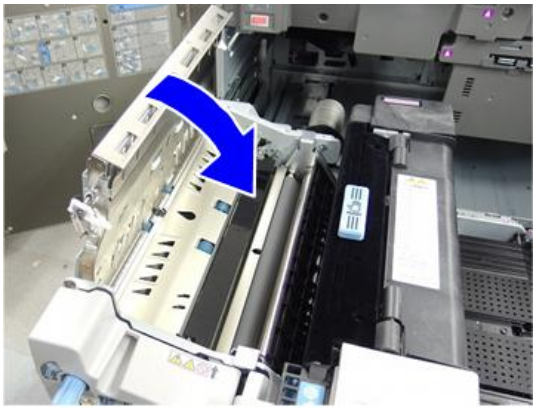
d270d6719

25. Clean the rollers while turning the knob **D1**. Clean the sensors and guide plates as well.



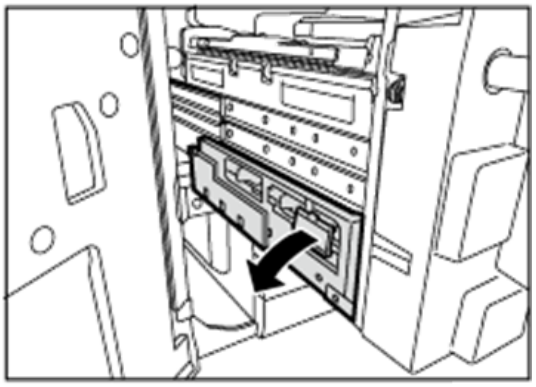
d270d6720

26. Close the cover **D3**.



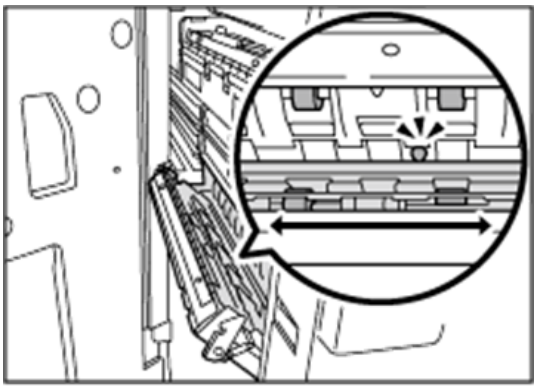
d270d6721

27. Pull down and open the cover **D4**.



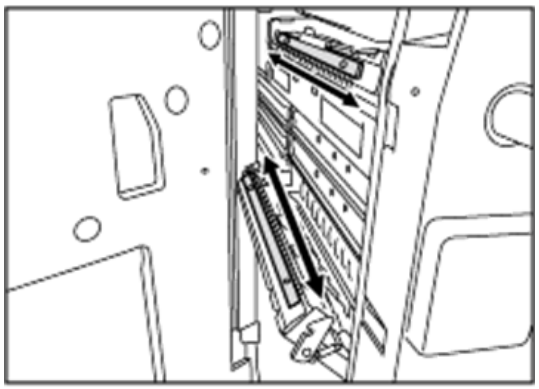
d1798095

28. Clean the rollers, sensor, and guide plates.



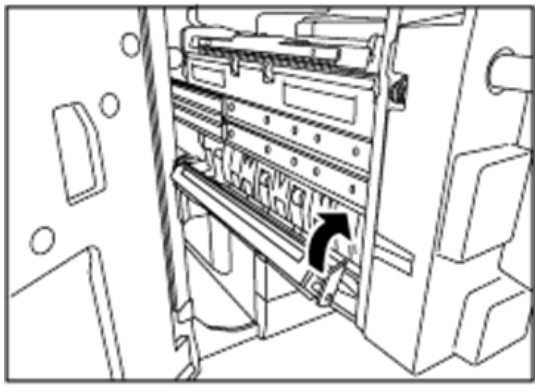
d1798096

29. Clean the antistatic brushes.



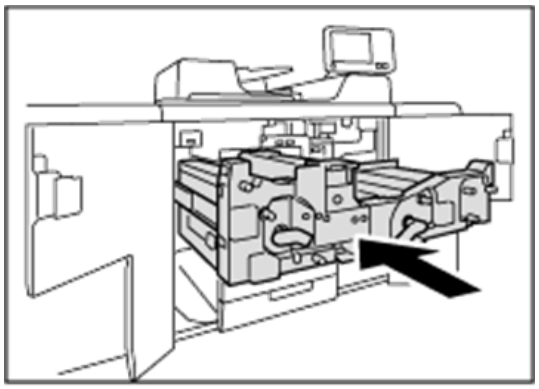
d1798097

30. Close the cover **D4**.



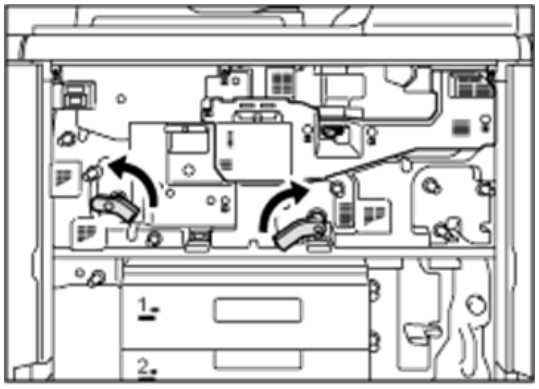
d1798098

31. Push the drawer back into the machine.



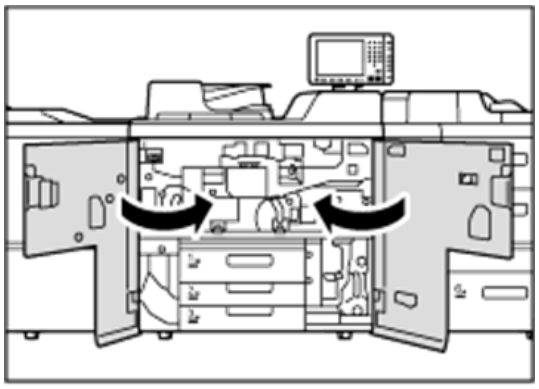
d1798099

32. Pull up the levers **C1** and **C2**.



d1798100

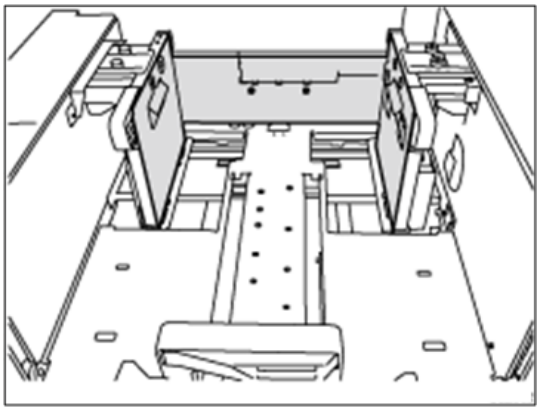
33. Close the front covers.



d1798101

Cleaning the LCT A3 Paper Feed Path

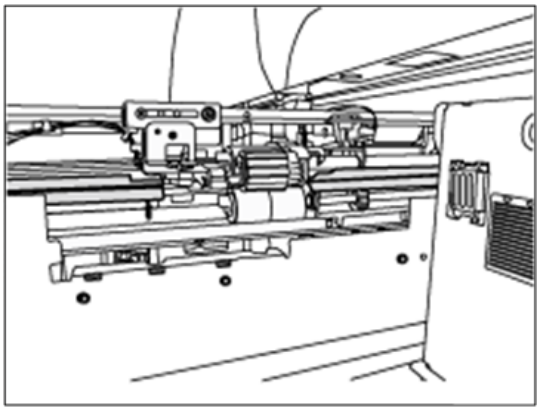
1. Clean the side fences and front guide.



d1798102

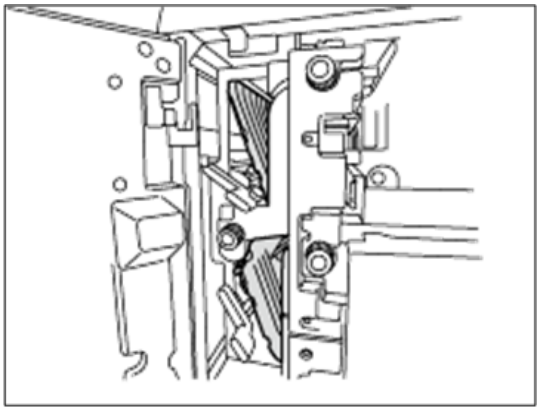
2. Clean the paper feed rollers.

3. Clean the guide plate of the paper feed unit.



d1798103

4. Clean the guide plate interior.

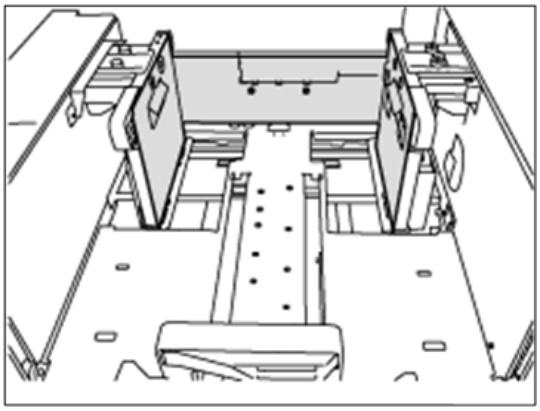


d1798104

5. After cleaning, restore the machine so that it resumes operation.

Cleaning the LCT A4 Paper Feed Path

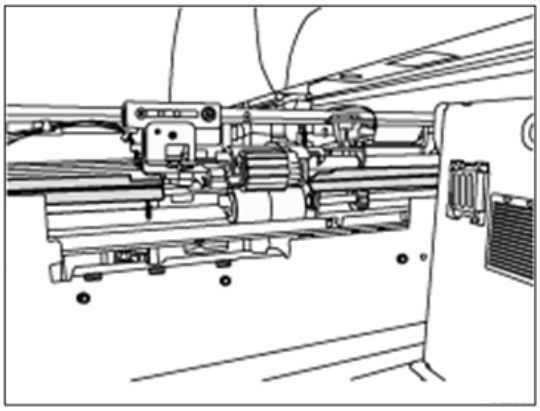
1. Clean the side fences and front guide.



d1798105

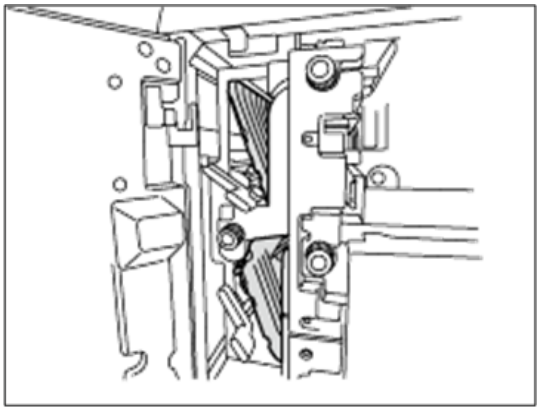
2. Clean the paper feed rollers.

3. Clean the guide plate of the paper feed unit.



d1798106

4. Clean the guide plate interior.

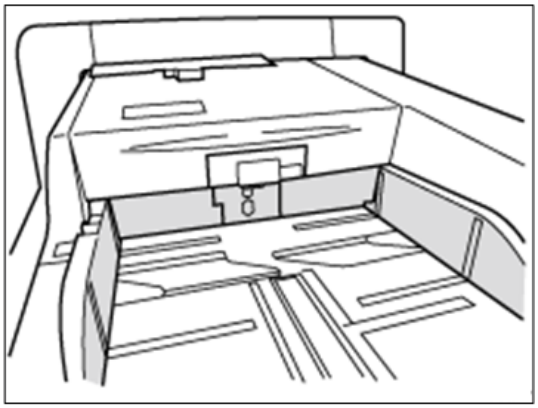


d1798107

5. After cleaning, restore the machine so that it resumes operation.

Cleaning the Multi Bypass Tray Paper Feed Path

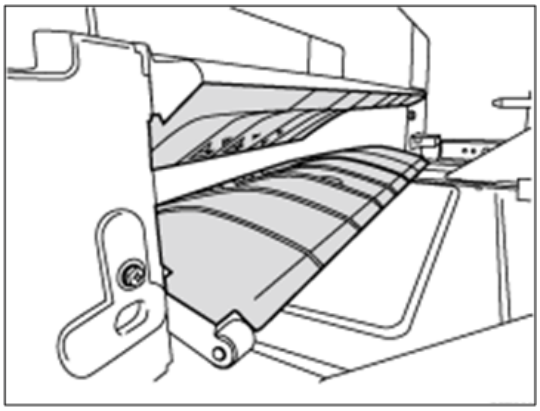
1. Clean the side fences and front guide.



d1798108

2. Clean the paper feed rollers.

3. Clean the guide plate.



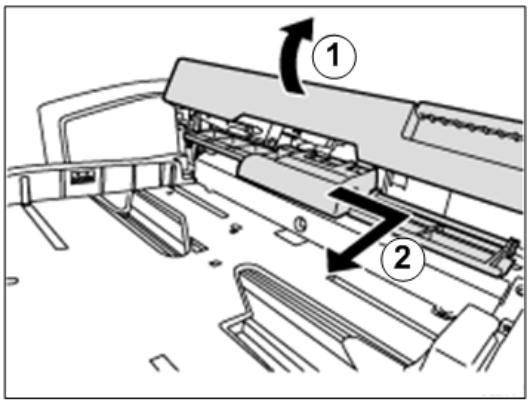
d1798109

4. After cleaning, restore the machine so that it resumes operation.

Cleaning the Paper Feed Rollers and Paper Feed Belt in the Interposer

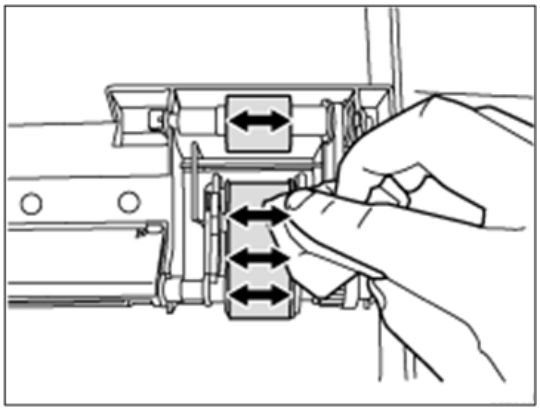
Clean the paper feed belt and paper feed rollers in the interposer. The procedure is explained using the interposer upper tray. The procedure is the same for the lower tray.

1. Remove the loaded paper.
2. Open the upper cover, and then detach the paper feed unit.
3. Pull it out slightly, release the metal shaft, and then detach it.



d1798110

4. Clean the paper feed belt and paper feed rollers in the detached paper feed unit.

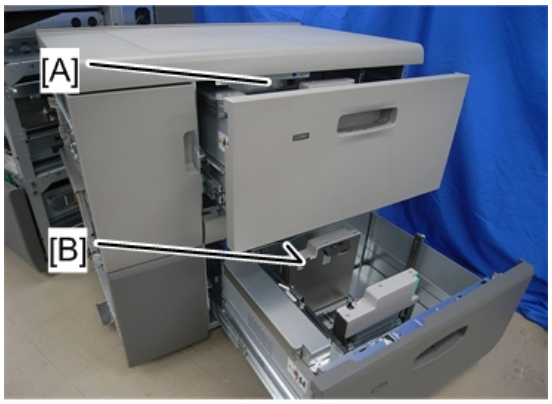


d1798111

5. After cleaning, restore the machine so that it resumes operation.

Cleaning the Paper Feed Unit of the Vacuum Feed LCIT (RT5100)

Paper Feed Belt Unit

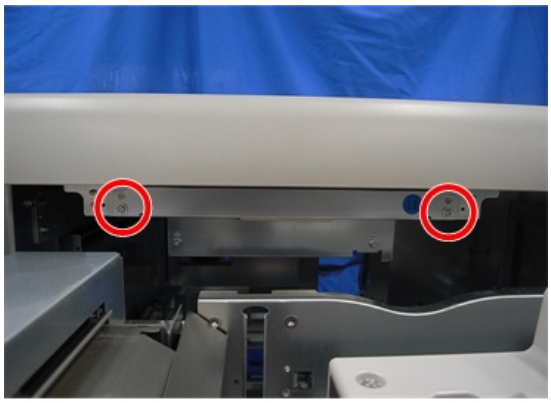


d777z0039

[A]: Tray 1 Paper Feed Belt Unit

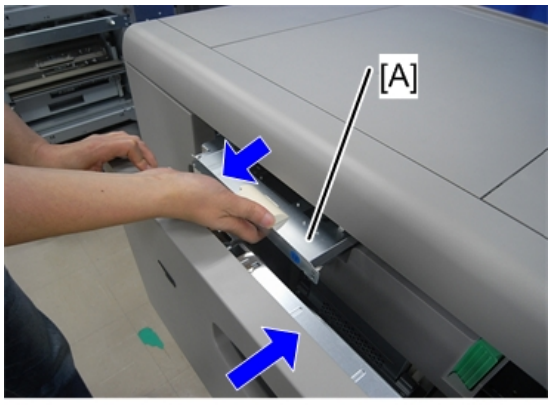
[B]: Tray 2 Paper Feed Belt Unit

1. Open the paper tray.
2. Unlock the paper feed belt unit (x2).



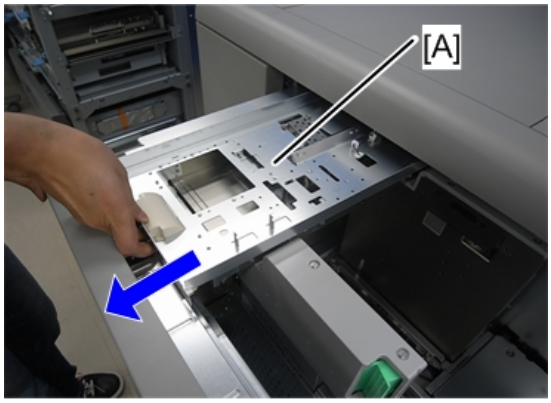
d777z0023

3. Hold the knob of the paper feed belt unit [A] and close the paper tray halfway.



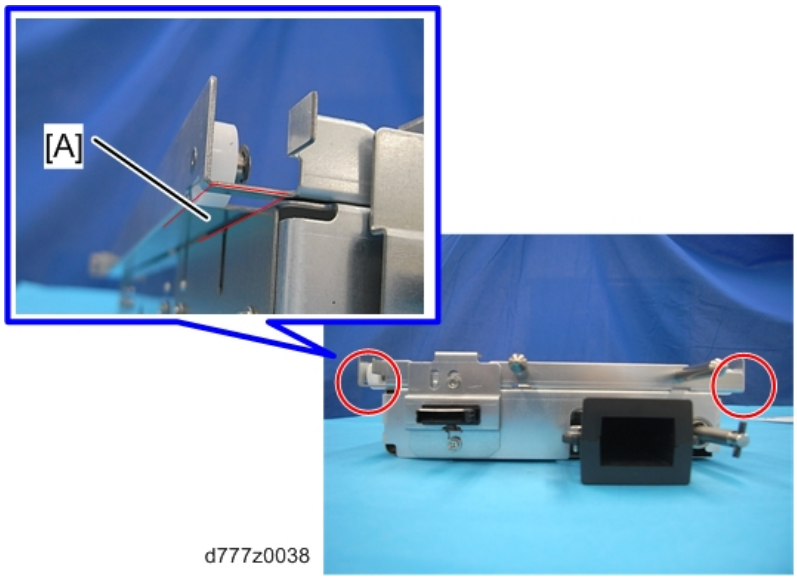
d777z0024

4. Pull out the paper feed belt unit [A] and the paper tray together.

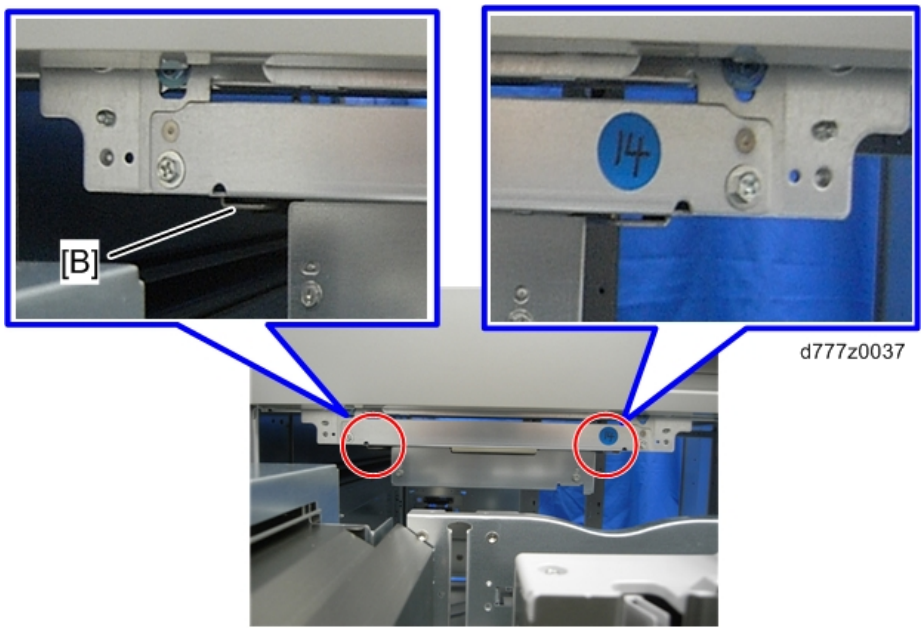


d777z0025

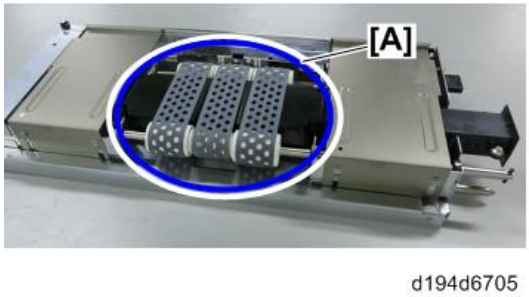
- Pull the paper feed belt unit out horizontally relative to the paper tray to ensure that the paper feed belt is not damaged by getting it caught in the side fences or other parts.
- To prevent damaging the paper feed belt when you return the paper feed belt unit to its original position, align the right and left guides [A] with the rail [B] on the paper tray side and raise them slightly before replacing the unit.



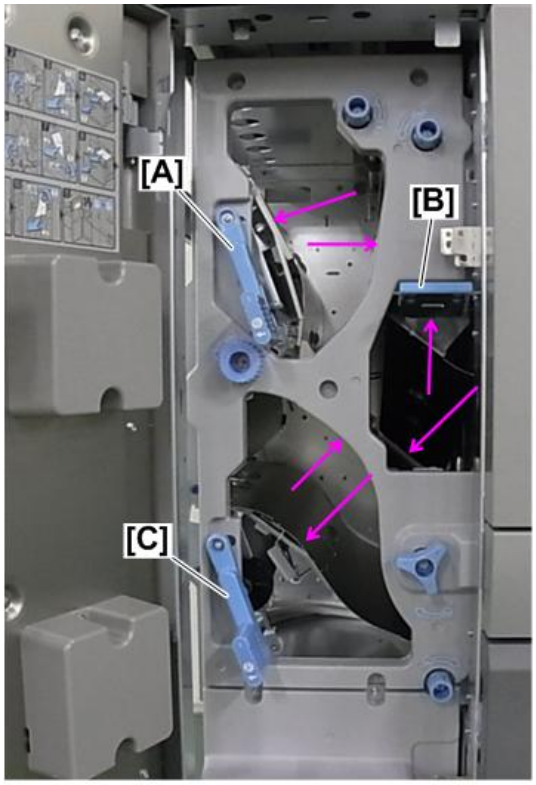
d777z0038



5. Turn upside down the paper tray pulled out, and wipe the paper feed belt [A] with a damp cloth.



6. Open and clean the front door, Open/close guide plates [A], [B].

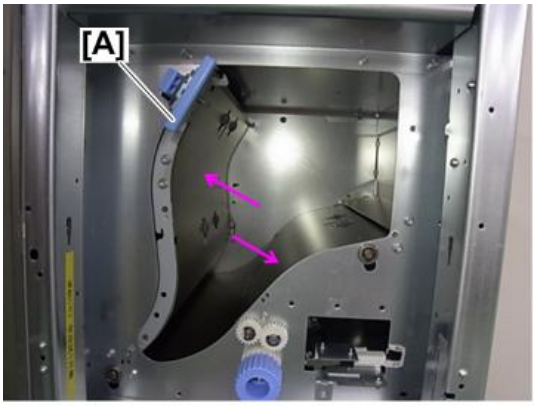


d194d6277

7. Close the guide plates and front door.

Cleaning the Bridge Unit

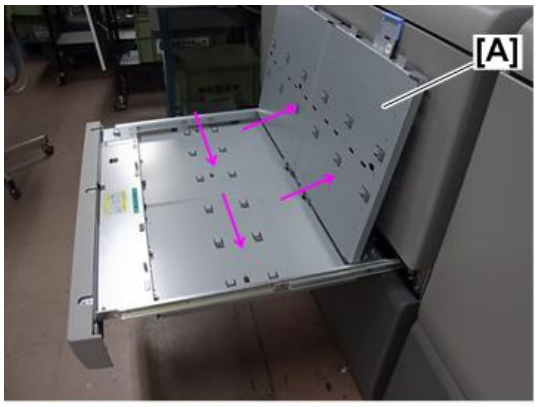
1. Open the front door of the relay unit, and then open and clean the open/close guide plate [A].



d194d6278

2. Close the guide plate and front door of the relay unit.

3. Pull out the horizontal feed unit, and open the guide plate [A] to clean it.



d194d6279

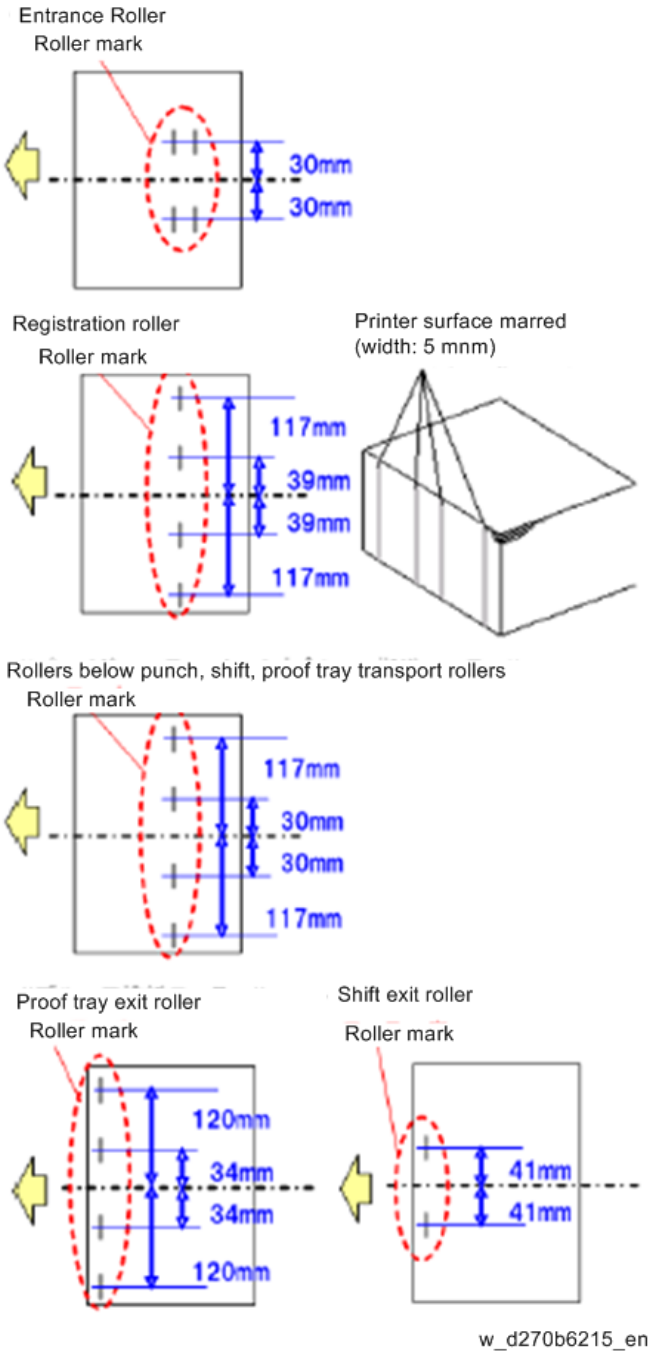
4. Close the guide plate and put the horizontal feed unit back in place.

Finisher Cleaning

Dirty paper rollers (including idle rollers), dirty guide plates where toner has collected can cause insufficient fusing of high-density images. This can be caused by a current job in progress with high-density images, or can be the results of a previous job.

Areas of Poor Coverage

The diagram below shows areas on the paper where problems can occur.

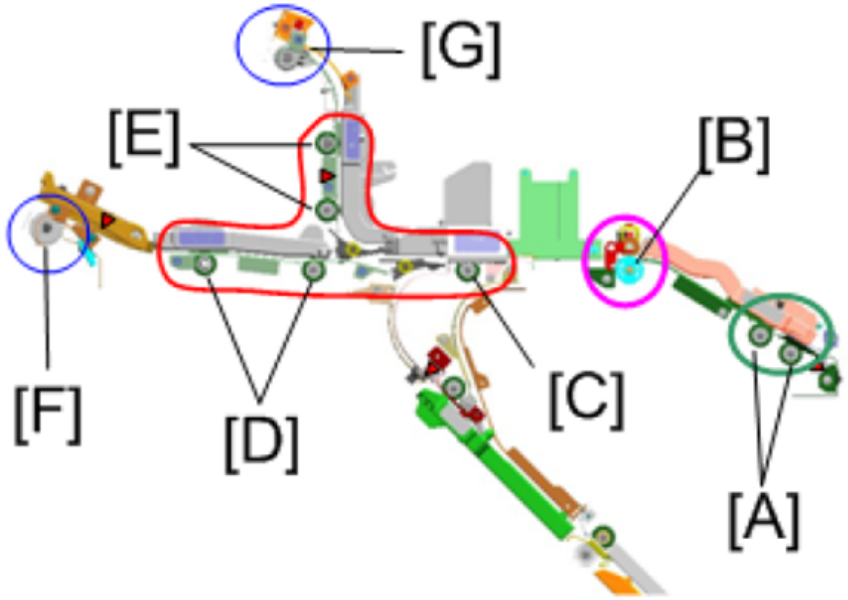


Cleaning Dirty Rollers

Clean drive and idle rollers with a clean cloth dampened with alcohol.

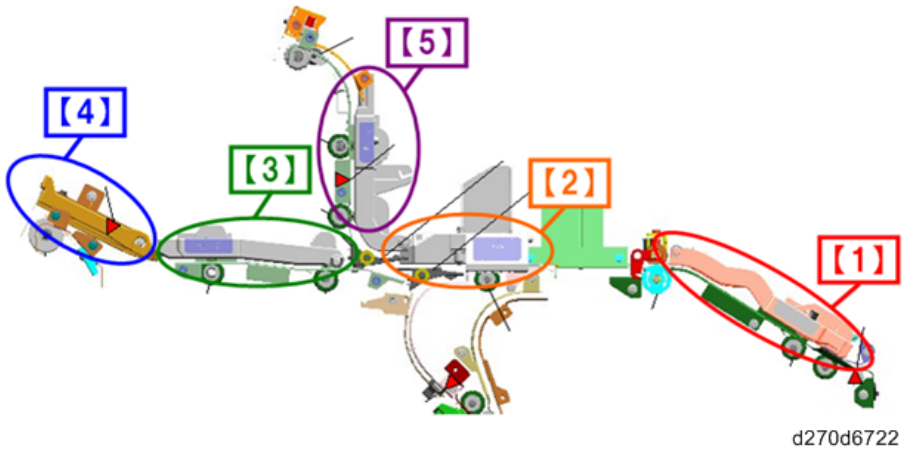
1. Clean entrance rollers [A].
2. Clean registration roller [B].
3. Clean roller [C] below the punch unit, shift roller [D], and proof tray rollers [E].

4. Clean shift exit roller [F], and proof tray exit roller [G].



Cleaning Guide Plates

Clean guide plates with a clean cloth dampened with alcohol.

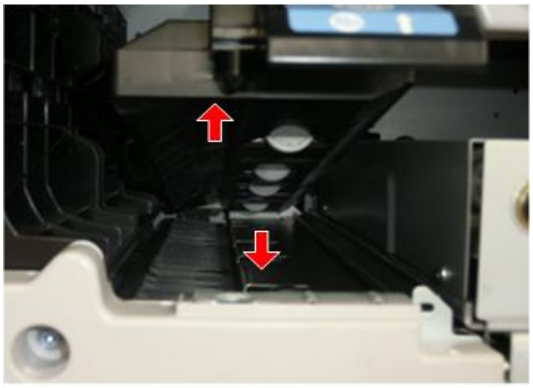


No.	Item
1	Entrance Guide Plate **Rb1**
2	Punch Guide Plate **Rb3**
3	Shift Transport Guide Plate **Rb5**
4	Shift Exit Guide Plate
5	Proof Transport Guide **Rb4**

1. Open guide plate Rb1 and then clean it.

d270d6723

2. Open punch guide plate Rb3 and then clean it.



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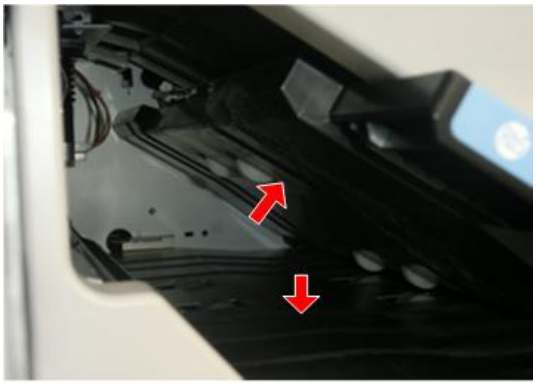
3. Open shift transport guide plate Rb5 and then clean it.



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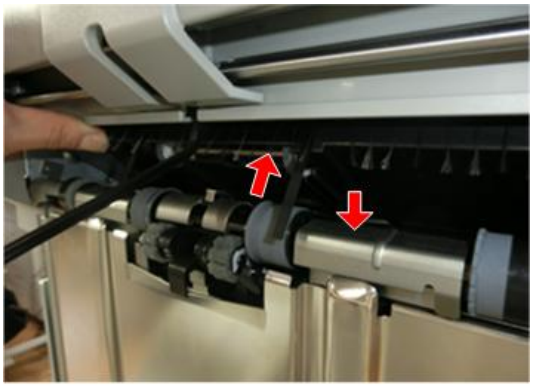
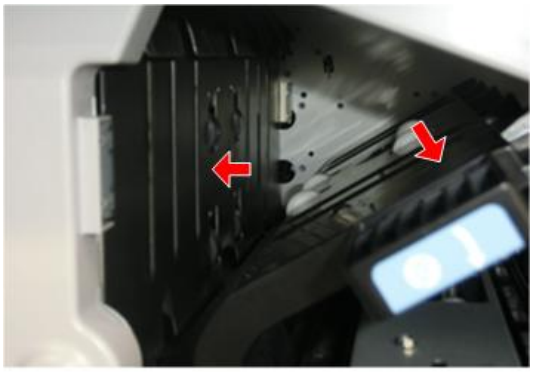
4. With the shift tray in the down position, clean the area from the shift exit to the shift exit plate.



d270d6726

5. Open the proof tray vertical transport guide Rb4 and then clean it.



d270d6727

Peripheral Unit Troubleshooting

Finisher SR5050/SR5060

Delivered Sheets Are Not Stacked Properly

Solution:

Depending on the cause of the problem, do one of the following:

- Coated paper is being used.
  If coated paper is being used, attach the Z-fold support tray for multi-folding unit.
  For details about attaching the Z-fold support tray for multi-folding unit, see "Copy/ Document Server" supplied with the machine.
- There is airflow in the room.
  Minimize the airflow. For instance, turn the air conditioner off.
- Printed sheets are curled.

If the decurl unit is used

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Select the amount of curl correction. (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
   - To correct curls facing up, specify "Adjust Concave Curl".
   - To correct curls facing down, specify "Adjust Convex Curl".
2. Select "Strong" or "Weak" depending on the amount of curl correction required.

If the decurl unit is not used

1. Remove the paper stack and turn it upside down.

There are too many stacked sheets.

1. Reduce the number of the stacked sheets. To do this, suspend printing and remove the stacked sheets, and then resume printing.
   - To suspend printing, press the Suspend [1] on the finisher.

- To resume printing, press the Resume [1].

d270b0053

Large Paper Not Stacked Properly

Cause:

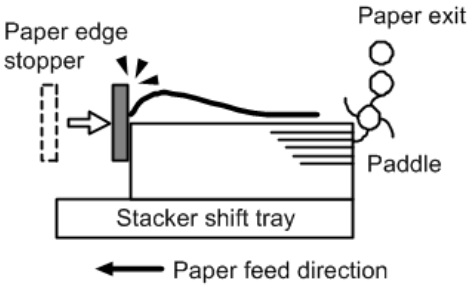
When using large-size or coated paper and paper-to-paper friction is very high, a sheet may push against another or paper deflection may occur.

This is likely to occur if:

- B4 LEF, 8"x14" LEF, or larger size of paper is used.
- Paper that produces high paper-to-paper friction is used.
- The temperature or humidity is high.

Sheet bending

The leading edge of the delivered sheet bends upward and backward.

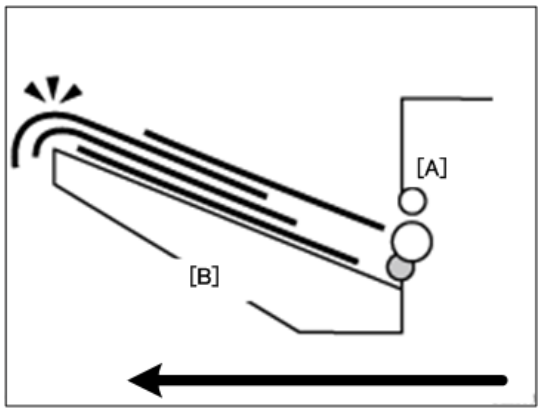


w_m205a4129

[A]	Paper Exit
[B]	Output Tray

One sheet pushing out another

Because of high paper friction, the delivered sheet may get stuck and push out other sheets of paper.

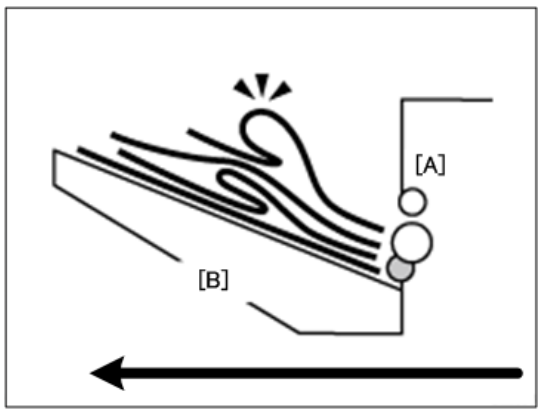


d1798113

[A]	Paper Exit
[B]	Output Tray

Paper deflection

Because of high paper friction, the delivered sheet may arch up and become crimped.



d1798114

[A]	Paper Exit
[B]	Output Tray

Solution:

Depending on the cause of the problem, do one of the following:

Sheet bending

There is airflow in the room.

Minimize the airflow. For instance, turn the air conditioner off.

Sheets are curled upward.

- If the decurl unit is used

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Set to "Adjust Concave Curl". (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. To control the amount of curl correction, select "Weak" if the present setting is "Off" or "Strong".

- If the decurl unit is not used

Remove the paper stack and turn it upside down.

- Paper of Paper Weight 0 is being used.

If paper of Paper Weight 0 is being used, attach the Z-fold support tray for multi-folding unit.

For details about attaching the Z-fold support tray for multi-folding unit, see "Copy/ Document Server" supplied with the machine.

One sheet pushing out another or sheets becoming crimped

Sheets are curled downward.

- If the decurl unit is used

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Set to "Adjust Convex Curl". (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
2. To control the amount of curl correction, select "Weak" if the present setting is "Off" or "Strong".

- If the decurl unit is not used

1. Remove the paper stack and turn it upside down.

Paper of Paper Weight 0 is being used.

If paper of Paper Weight 0 is being used, attach the Z-fold support tray for multi-folding unit. For details about attaching the Z-fold support tray for multi-folding unit, see "Copy/ Document Server" supplied with the machine.

Note

- If the Z-fold support tray for multi-folding unit is attached, the number of sheets that can be stacked is reduced.
- If the Z-fold support tray for multi-folding unit is attached, the range of misalignment of the last print may exceed 2 mm (0.08 inches) if the Shift Collate function is used.

Trailing Edge of Stapled Sheets Close to the Paper Exit

Cause:

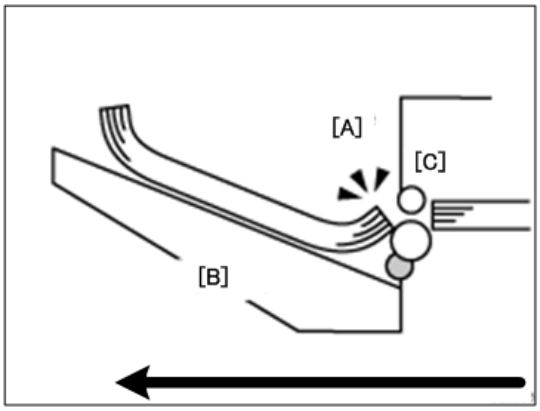
If the stapled sheets are curled strongly or become limp after delivery, the trailing edge of the sheets may be too close to the paper exit when the paper is stacked.

If this happens, stapled sheets, when delivered, may push the previously delivered sheet, resulting in paper bending or misfeeding.

This is likely to occur if:

- There is a tight curl on a delivered set of stapled sheets.

- Limp paper such as thin or recycled paper is used.



d1798115

[A]	Trailing Edges
[B]	Output Tray
[C]	Paper Exit

In the illustration the trailing edges of the stack [A] on the output tray [B] are too close to the paper exit [C]

Solution:

1. Attach the Z-fold support tray for multi-folding unit.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Adjust Paper Curl > Set to "Adjust Concave Curl". (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
4. Select "Strong" or "Weak" to control the amount of curl correction as required.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

Note

- For details about attaching the Z-fold support tray for multi-folding unit, see "Copy/ Document Server" supplied with the machine.
- If the Z-fold support tray for multi-folding unit is attached, the trailing edge of the ejected sheets will not be too close to the paper exit, so no problem will occur. However, the stapled sheets may not be stacked properly.

Sheets Cannot Be Stapled Properly

Cause:

When the sheets are fed to the staple unit inside the finisher, they may be overlaid, resulting in a misalignment of 5 mm (0.2 inches) relative to each other after stapling.

When coated or other paper producing higher paper-to-paper friction is used, the paper edges are not aligned

properly, resulting in misaligned stapling.

This is likely to occur if:

- Coated or other paper producing higher paper-to-paper friction is used.
- Thin or other limp paper is used.

Solution:

Reduce the number of sheets to be stapled.

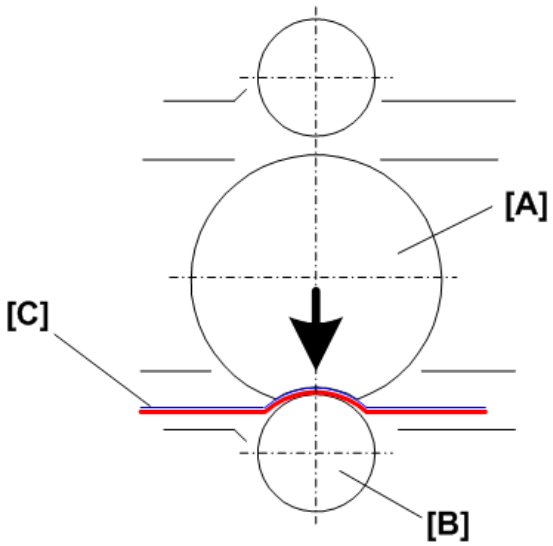
1. In the Finishing: Adjustment Settings for Skilled Operators > Finisher > Number of Sheets Align for Stapling > Reduce the number of sheets to be stapled. (SP 6-225-001 to 014: Adj Pre Stack Number (size) SEF)
2. Print the image. Is the problem resolved?

Yes	Finished!
No	If the problem persists even though the setting has reached its minimum value, consult the product specialist.

Note

- If the number of sheets to be stapled is reduced, paper alignment will take longer, compromising the machine's throughput.

Streaks Appear 4 mm Apart on the Leading Edge of the Stacked Paper



d1808104

Cause:

During back-curl correction, the paper is compressed in the nip of the sponge roller [A] above and the decurl roller [B], so the sponger roller can press down to correct paper curl. If the image on the paper [C] is facing up when the sponge roller presses down, this can cause toner from the image to detach and foul the anti-static brush which then transfers this loose toner to the leading edge of each sheet.

This can occur when:

- Decurl unit is connected
- Poor stacking, and back-curl correction in effect
- Image on the paper is facing up

Solution:

1. Is it possible to disable back-curl correction?

Yes	Disable back-curl correction. Adjustment Settings for Skilled Operators > Main: Paper Feed/Exit Adjustment > Paper Curl Correction > Off. (SP 1-906-001 to 007: De-curler Setting Tray <number> :Paper Path Selection)
No	Go to Step 2.

2. Determine if the paper can be output with the image side facing down.

Yes	Invert the paper for output. On the operation panel, set the paper to exit the main machine face down
No	Go to Step 3.

3. Remove the anti-static brush. Is the problem resolved?

Yes	Finished!
No	Consult product specialist.

Note

- Removal of the anti-static brush before the stapling unit can affect the accuracy of stapling, so the number of sheets shunted to the pre-stacker of the finisher must be reduced. Reducing the number of sheets sent to the pre-stacker before stapling will slow down the line, so be sure to consult the product specialist before you do this with SP 6-225-001 to 014: Adj Pre Stack Number (size) (<SEF or LEF>.

Multi-Folding Unit

Poor Folding

Cause:

Depending on paper hardness, inaccurate folds may result. This is referred to as folding deviation.

Solution:

Change the folding position by adjusting the position of the paper edge stopper for folding.

1. For multi-sheet folding, change the folding position using the following settings:
   - Half Fold Position (Multi-sheet Fold) (SP 6-752-101 to 119: FM2 Equal 1/2:FineAdjFld(D615) (size) SEF (Multi Sheet))
   - Letter Fold-out Position 1 (Multi-sheet Fold) (SP 6-753-101 to 108: FM3 Equal 3rds:Fine Adj 1st (size) SEF (Multi Sheet))
   - Letter Fold-out Position 2 (Multi-sheet Fold) (SP 6-754-101 to 108: FM3 Equal 3rds:Fine Adj 2nd (size) SEF (Multi Sheet))
   - Letter Fold-in Position 1 (Multi-sheet Fold) (SP 6-755-101 to 110: FM4 3rds 1 Flap:Fine Adj 1st (size) SEF (Multi Sheet))
   - Letter Fold-in Position 2 (Multi-sheet Fold) (SP 6-756-101 to 110: FM4 3rds 1 Flap:Fine Adj 2nd (size) SEF (Multi Sheet))
2. For single-sheet folding, change the folding position using the following settings:
   - Adjust Z-fold Position 1 (SP 6-750-001 to 100: FM1 Z-Fld: Fine Adj 1st Fld Custom Paper 001 to 100)
   - Adjust Z-fold Position 2 (SP 6-751-001 to 100: FM1 Z-Fld: Fine Adj 2nd Fld Custom Paper 001 to 100)

- Half Fold Position: Single-sheet Fold (SP 6-752-001 to 100: FM2 Equal 1/2:FineAdjFld(D615) Custom Paper 001 to 100)
- Letter Fold-out Posn 1: Single-sheet Fld (SP 6-753-001 to 100: FM3 Equal 3rds:Fine Adj 1st Custom Paper 001 to 100)
- Letter Fold-out Posn 2: Single-sheet Fld (SP 6-754-001 to 100: FM3 Equal 3rds:Fine Adj 2nd Custom Paper 001 to 100)
- Letter Fold-in Posn 1: Single-sheet Fold (SP 6-755-001 to 100: FM4 3rds 1 Flap:Fine Adj 1st Custom Paper 001 to 100)
- Letter Fold-in Posn 2: Single-sheet Fold (SP 6-756-001 to 100: FM4 3rds 1 Flap:Fine Adj 2nd Custom Paper 001 to 100)
- Double Parallel Fold Position 1 (SP 6-757-001 to 100: FM5 4ths "V": Fine Adjust 1st Custom Paper 001 to 100)
- Double Parallel Fold Position 2 (SP 6-758-001 to 100: FM5 4ths "V": Fine Adjust 2nd Custom Paper 001 to 100)
- Adjust Gate Fold Position 1 (SP 6-759-001 to 100: FM6 4ths 2 Flap:Fine Adj 1st Custom Paper 001 to 100)
- Adjust Gate Fold Position 2 (SP 6-760-001 to 100: FM6 4ths 2 Flap:Fine Adj 2nd Custom Paper 001 to 100)
- Adjust Gate Fold Position 3 (SP 6-761-001 to 100: FM6 4ths 2 Flap:Fine Adj 3rd Custom Paper 001 to 100)

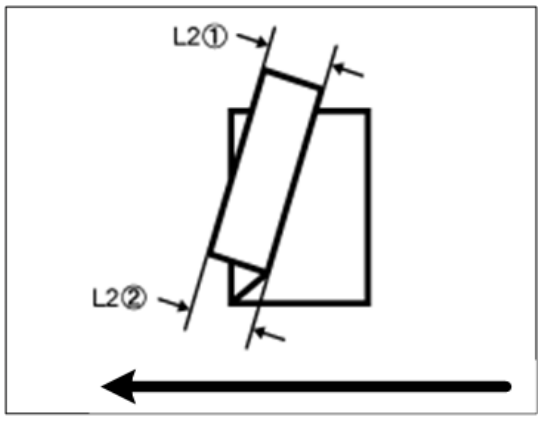
Folding Deviation

Cause:

Depending on paper hardness, folding deviations (skewed folding) may appear.

- A deviation may appear if the edge dimensions of the parts between folds are different.
- For example, in the following illustration, the dimensional difference between the top (L2[2]) and bottom (L2[1]) edges is a deviation.

Folding deviation example of L2 for Z-fold



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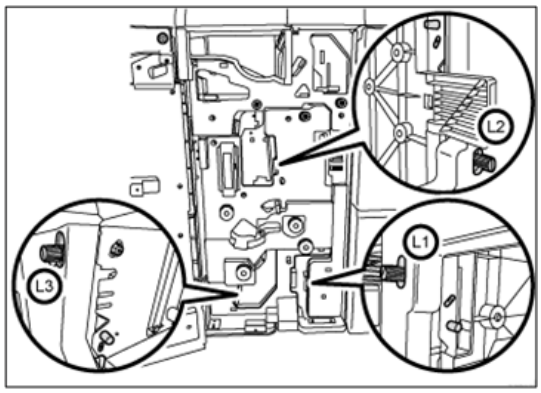
Solution:

1762

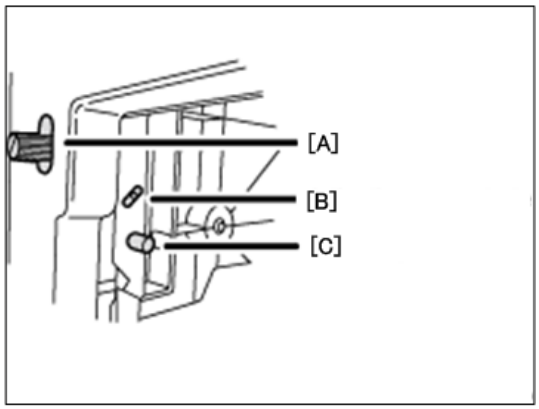
Adjust the deviation.

The multi-folding unit has three adjusting screws (L1, L2, and L3) to adjust deviation.



d1798117

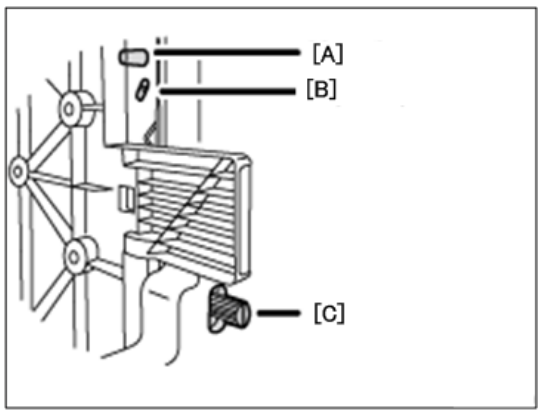
L1



d1798118

[A]	Adjusting Screw
[B]	Adjusting Screw Hole
[C]	Mounting Screw

L2

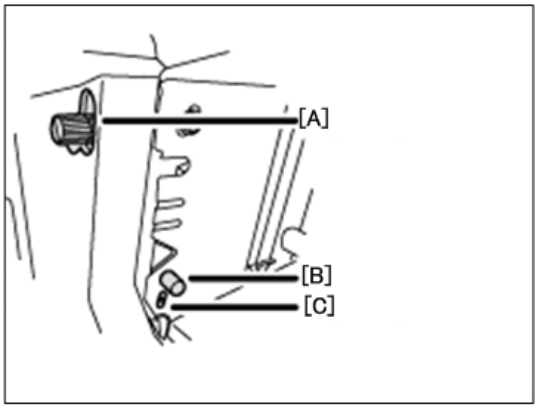


d1798119

[A]	Mounting Screw

[B]	Adjusting Screw Hole
[C]	Adjusting Screw

L3

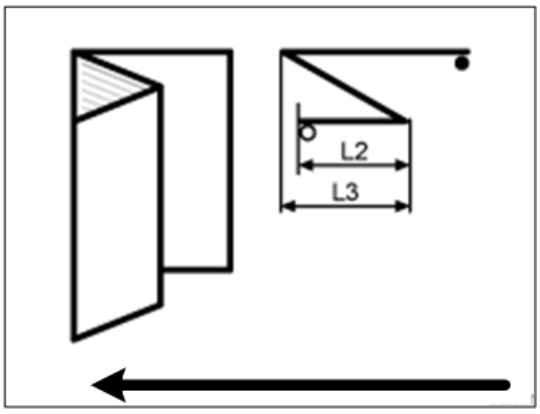


d1798120

[A]	Adjusting Screw
[B]	Mounting Screw
[C]	Adjusting Screw Hole

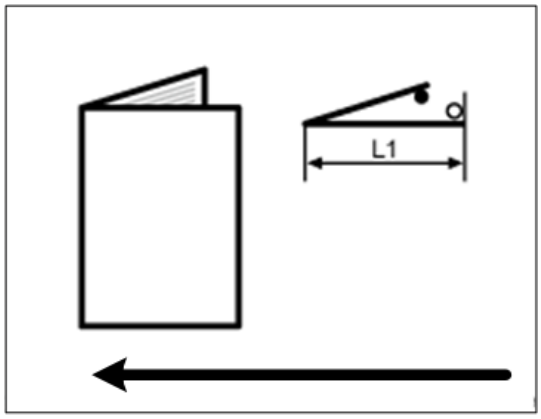
The screws can be used to do adjustments for the following fold methods:

- Z-fold



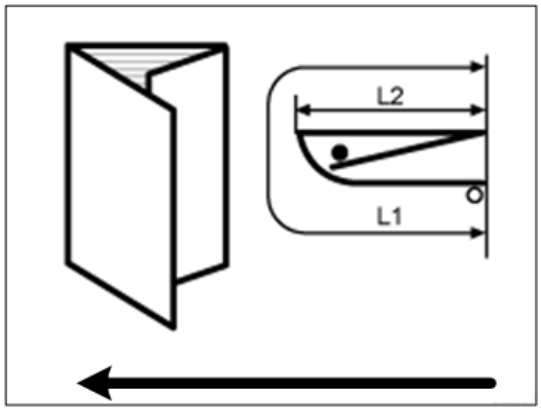
d1798121

- Half Fold



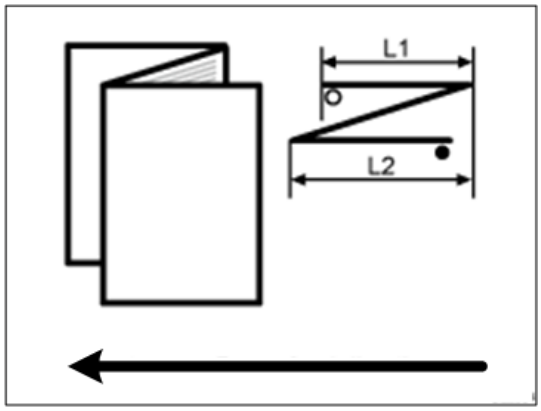
d1798122

- Letter Fold-in



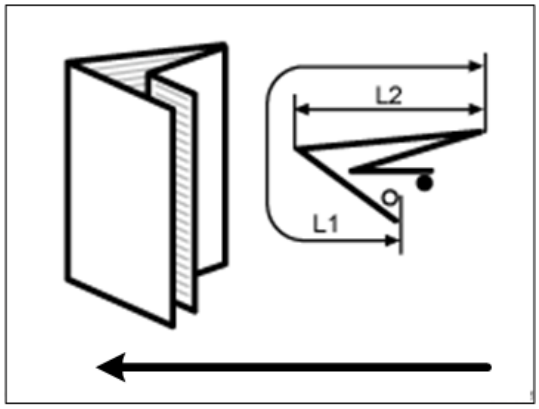
d1798123

- Letter Fold-out



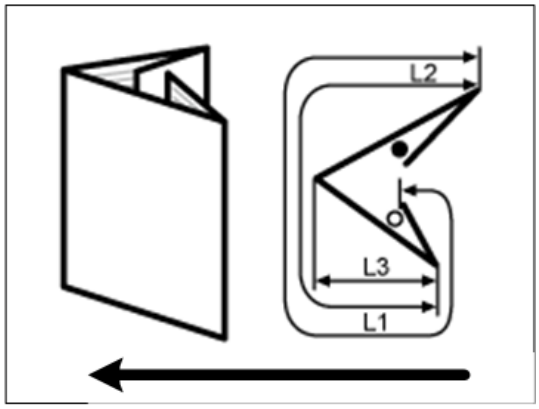
d1798124

- Double Parallel



d1798125

- Gate Fold



d1798126

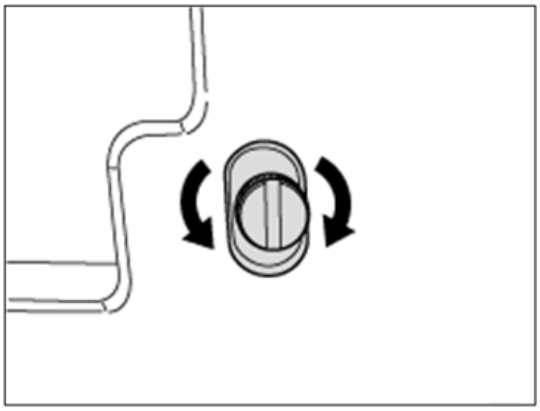
The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.

How to adjust the folding deviation

This procedure is the same for L1, L2, and L3.

1. Open the front cover of the multi-folding unit.
2. Remove the mounting screw.
   If the mounting screw is attached to the adjusting screw hole, unfasten it.
3. Turn the adjusting screw to adjust the deviation.
   - To increase the length at the bottom part of paper, turn the screw clockwise.

- To decrease the length at the bottom part of paper, turn the screw counterclockwise.



d1798127

4. Attach the mounting screw to fasten the adjusting screw.
   If the mounting screw is attached to the adjusting screw hole, fasten it.
5. Close the front cover of the multi-folding unit.

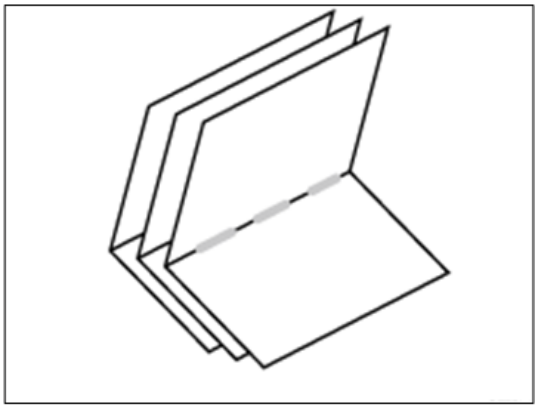
Note

- For multi-sheet folding, the folding deviation that appears in the center of paper will be adjusted.
- If the deviation is large, the paper may be skewed. (Paper Skew)

Folds Dirty by Multi-Sheet Folding

Cause:

If multi-sheet folding is performed after a large number of Z-folds have been performed, the tip of the blade used for the multi-sheet folding may be dirty, resulting in dirt on the paper.



d1798128

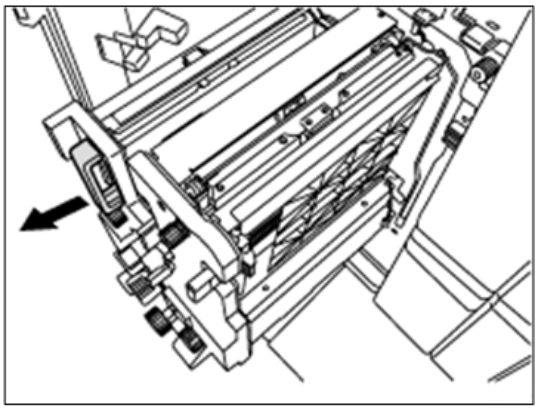
This will produce dirt on the paper in an area of 1-3 cm (0.4-1.2 inches) in width (equal to the width of the blade) in the fold in the center of paper.

Solution:

Clean the blade.

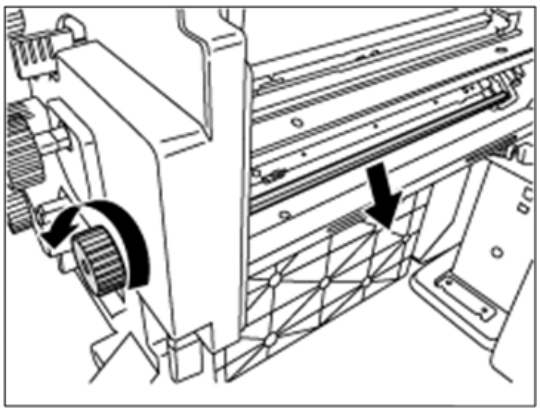
1. Open the front cover of the multi-folding unit.

2. Pull the multi-folding unit out.



d1798129

3. Turn the N11 dial counterclockwise until the blade appears.
   The blade is located in the right part of the multi-folding unit.

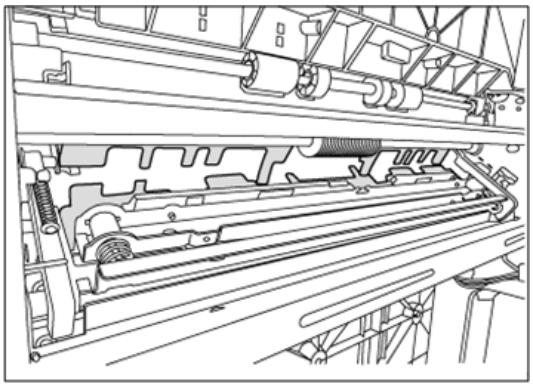


d1798130

4. Wipe the tip and top of the blade with a soft dry cloth.

Important

- Be careful not to damage the blade.

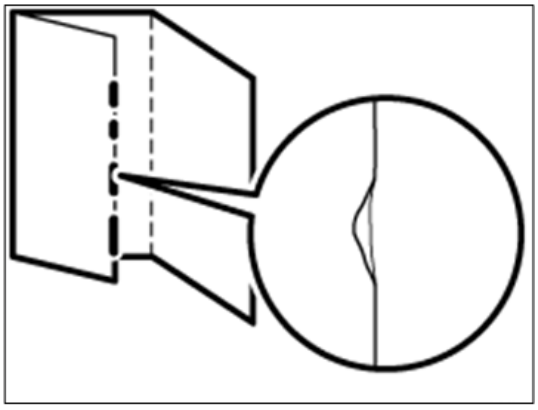


d1798131

5. After cleaning, restore the machine so that it resumes operation.
6. Apply multi-sheet folding and print 3-5 copies. The dirt on the paper will disappear.

Edges of Letter Fold Bent

When letter folding is applied, the edge of the inner flap may become bent.



d1798132

Solution:

The solution depends on whether letter folding is applied to multiple sheets or a single sheet.

When letter folding is applied to multiple sheets

1. Load the paper the other side up.
2. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. On the machine operation panel: [User Tools] > System Settings > General Features > Set Letter Fold-in Position for multiple sheets to "4.0 mm". (SP 6-755-101 to 110: FM4 3rds 1 Flap:Fine Adj 1st (size) SEF (Multi Sheet))
4. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

When letter folding is applied to a single sheet

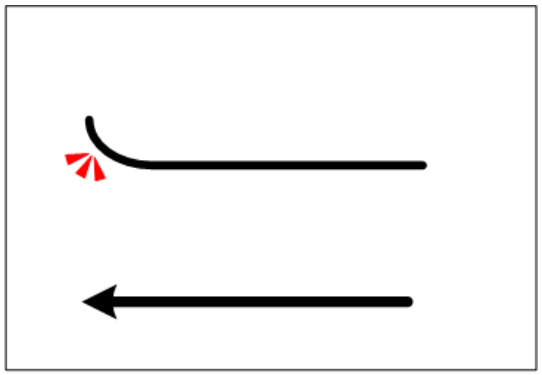
Note

- This procedure is applied especially to coated paper.
- To adjust the following settings, pre-register the type of paper in use as a custom paper. For details see “3. Custom Paper Settings for Administrator” in the TCRU “Adjustment Item Menu Guide”.

1. In General Features in System Settings, set Letter Fold-in Position for a single sheet to "7 mm".
2. In Advanced Settings for the custom paper in use, select Letter Fold-in Posn 1: Single-sheet Fold. (SP 6-755-001 to 100: FM4 3rds 1 Flap:Fine Adj 1st Custom Paper 001 to 100)
3. Increase the value by 0.2 mm.
4. Print the image. Is the problem resolved?

Yes	Finished!
No	Repeat Step 2 to 4. If the problem persists even though the setting value is 4 mm larger than the maximum value, consult the product specialist.

Z-Folding Is Not Performed Correctly



d1798133

The delivered paper has an upward curl with a arc of 4 cm (1.6”) or less at the leading edge.

Solution:

1. Is the decurl unit installed?

Yes	Go to the next step.
No	Go to Step 4.

2. On the machine operation panel: Adjustment Settings for Skilled Operators > Paper Feed/ Output > Set Adjust Paper Curl to Adjust Concave Curl: Weak. (SP 1-906-001 to 007: De-curler Setting Tray <number>:Paper Path Selection)
3. Print the image. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

4. Load the paper the other way up.
5. Print the image. Is the problem resolved?

Yes	Finished!
No	Consult the product specialist.

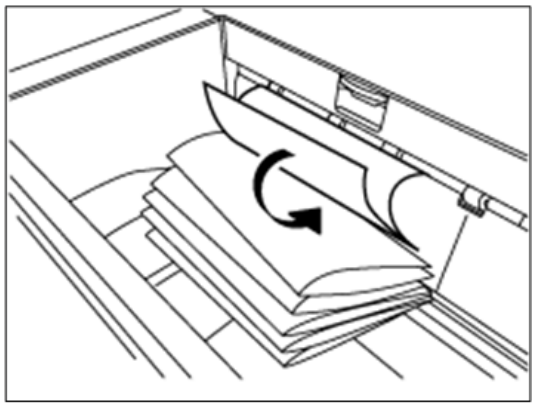
Note

- This folding error will not occur if uncurled paper is used or sheets that curl downward.

Folded Sheets Are Not Stacked Properly

Cause:

If a large number of half-folded multi-sheets is delivered, the edges of the sheets may bulge and some part of the edge will be swollen. If this happens, other sheets loaded on the bulged paper may turn over in the output tray. This is likely to occur if thick, relatively stiff paper is used.



d1798134

As a bundle is delivered, its folded edge may droop and catch on the stacked bundles, causing the delivered bundle to flip over.

Solution:

Use the Z-fold support tray for multi-folding unit. This will reduce the angle of stacked bundles and prevent bundles flipping over as they are delivered.

d1798135

For details about attaching the Z-fold support tray for multi-folding unit, see "Copy/Document Server" supplied with the machine.

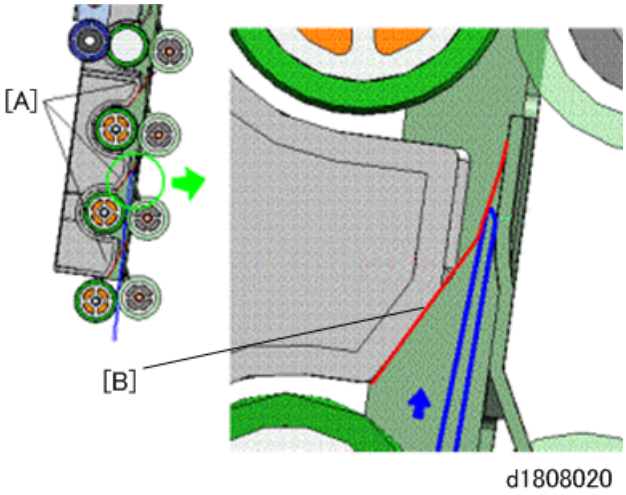
Note

- If the Z-fold support tray for the multi-folding unit is attached, folded paper such as letter-folded paper or gate-folded paper will not turn over in the output tray when delivered.

Matte Paper Scratched During Folding

The surface of matte finish paper shows scratches after folding.

Cause:



When the folded paper is transported to the fold crease unit, the leading edge (creased edge) enters the fold nip prepared level for the press guide, and then is pressed by the on the paper transport guide. The press guide has three press rollers [A]. The friction between the press guide and press guide plate as the paper is fed can scratch or mark the matte finish of the paper.

Note

- The surface of the guide plate is rough and can cause marks on the surface of the paper. The surface of the plate becomes smoother after about 2,000 sheets have feed through the folding unit and these marks disappear.
- The surface of gloss coated paper is much smoother, so these marks do not appear on glossy paper.
- The surface of Normal paper is untreated, so these marks do not appear with Normal paper.

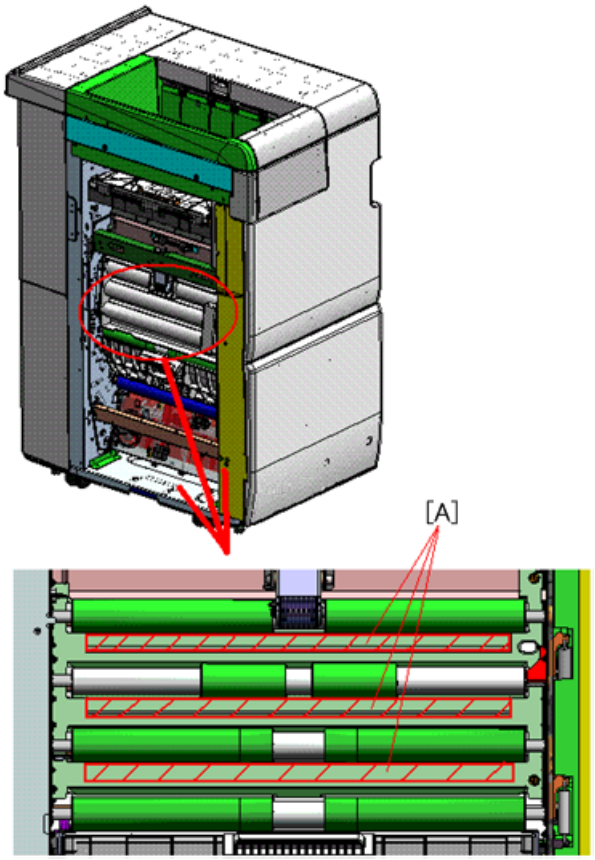
Solution:

1. Open the guide plate and clean the metal plate at [A] with an alcohol dampened cloth.
2. Print and fold a sample. Is the problem resolved?

Yes	Finished!
No	Go to the next step.

3. Take a piece of paper and gently rub the surface of the metal plate to smooth it, and then do another test. Is the problem solved?

Yes	Finished!
No	Repeat Steps 1 and 2. If the problem persists, consult the product specialist.



d1808021

Note

- Cleaning the surface of the metal guide plate and buffing it with a piece of paper reduces the occurrence of marks on the paper.
- The present condition of the guide plate at the affected area depends on the amount of usage of the folding unit, but buffing the surface of the plate with paper 20 to 50 times should reduce friction during paper feed.

Important

- After buffing it with paper, always clean the surface of the plate with a clean cloth dampened with alcohol to remove tiny bits of paper that could adhere to the plate after buffing.

Ring Binder Recognition: SC756-48

Cause:

- In a system where the Ring Binder is installed, there may be cases when the main machine issues SC756-48 (Ring Binder: Ring Binder Not Detected) when the Ring Binder door is opened, the ring binder unit is pulled out of the machine, upon recovery from low energy mode, or when the main machine is turned on.
- Occasionally, closing the door will not release SC756-48.

Note

- If the system is powered on with the ring binder unit pulled out, the ring binding system may not start up normally.

Solution:

1. The system recovers from low energy mode, or is powered on, with the ring binder unit pulled out of the machine.
2. The machine issues SC756-48 on the operation panel.
3. The ring binder reset and the door was closed.
4. When the ring binder function is selected for use, SC756-48 pops up on the operation panel.
5. Wait for the current copy or print job to end, and then cycle the main machine off/on.
6. Does SC756-48 display again, even after cycling the machine off/on?

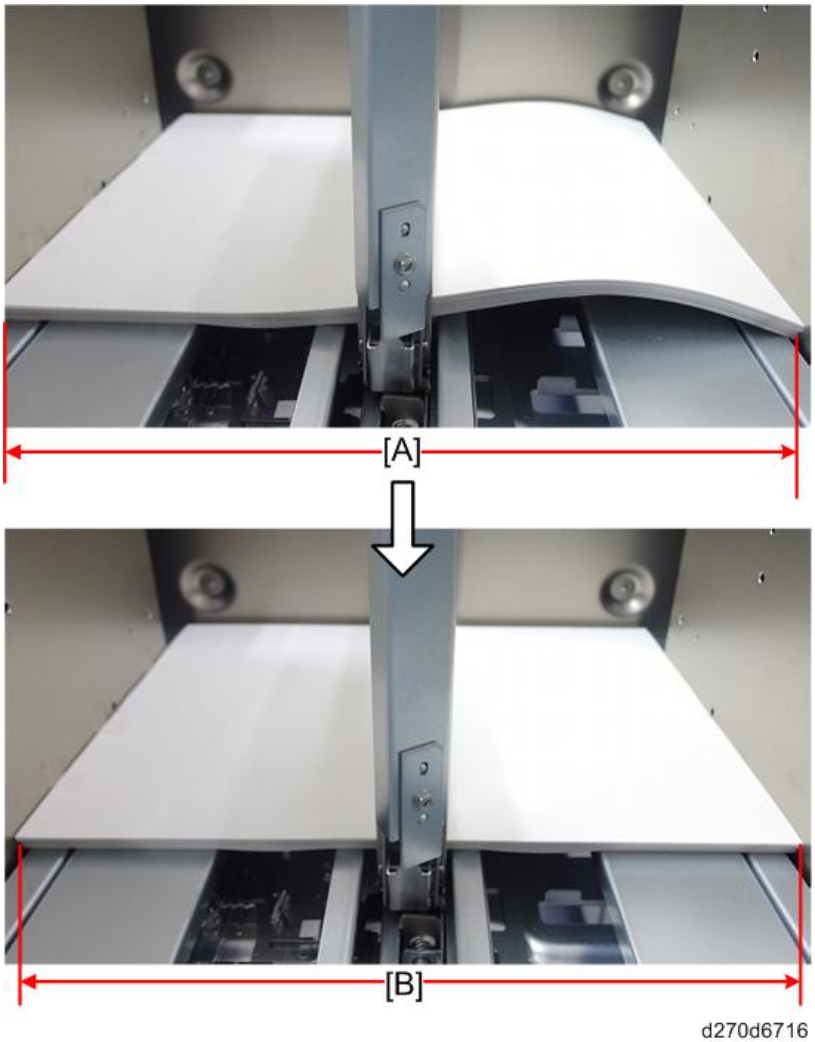
Yes	The Ring Binder is malfunctioning. The problem requires further investigation, so consult the product specialist.
No	Finished!

Vacuum Feed LCIT

Frequent Double Feeds, Failures to Feed

Cause: Side Fence, Rear Fence Set Incorrectly

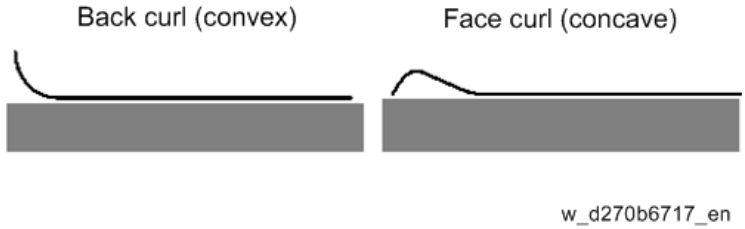
Paper with excessive buckle [A] can cause double-feeding, so adjust the fences to the correct positions so the paper lies flat [B].



Cause: Paper Curling

[A]	Concave curl. Paper exits with curve down.
[B]	Convex curl. Paper exits with curve up.

In either case if the curl is excessive (not within specification), this can cause double-feeding.



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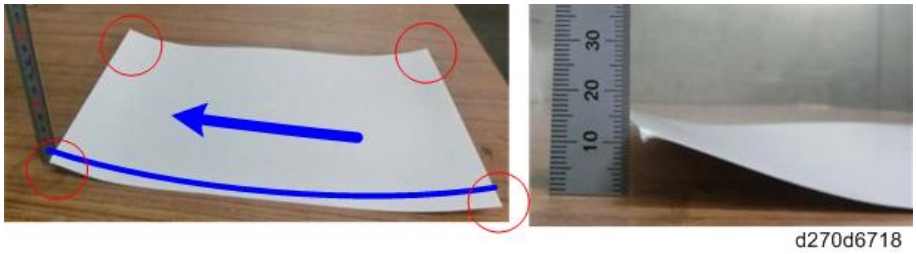
Solution: Measure and correct curl.

Measuring amount of curl

1. Take a sheet of paper causing the problem and lay it on a flat surface.
2. Set a scale at each corner of the paper and measure the amount of curl at each of the four corners. SEF curl is shown at [A], and LEF curl is shown at [B].

Note

- Place the paper face down to measure back curl accurately.



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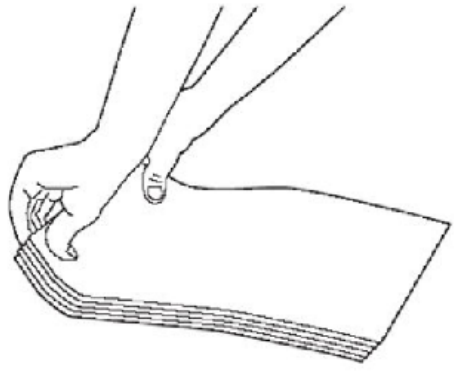
Allowed Amount of Curl

40.0 g/m2 to 300 g/m^2	Concave curl: 5mm Convex curl: 5mm
300.1 to 350.0 g/m^2	Concave curl: +8mm Convex curl: -8mm

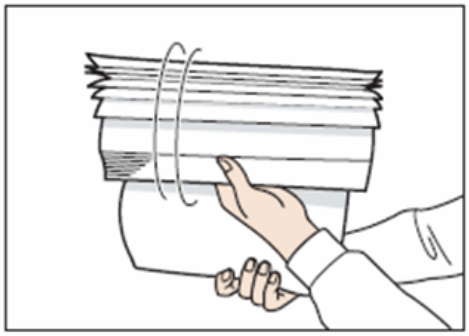
Correcting Curl

1. Lay the stack on a flat surface, opposite to the direction of curl.
2. Bend the edge up as shown to straighten it the edge.



m263z0036

3. Repeat the procedure for the other end of the stack.
4. Fan the paper before loading it to loosen the sheets. Paper sticks together if it has excessive static electricity, burrs (due to edge cutting) or is damp.



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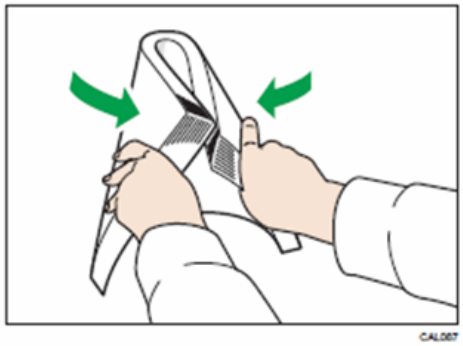
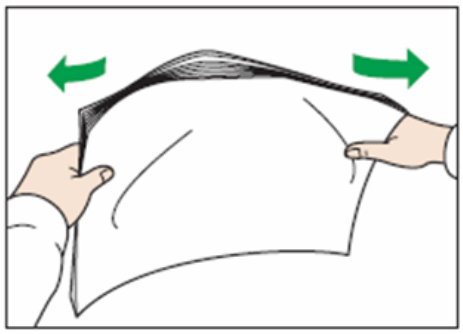
5. Hold the paper by the ends and slowly bend it several times.





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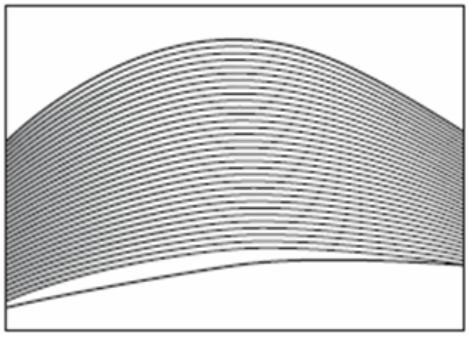
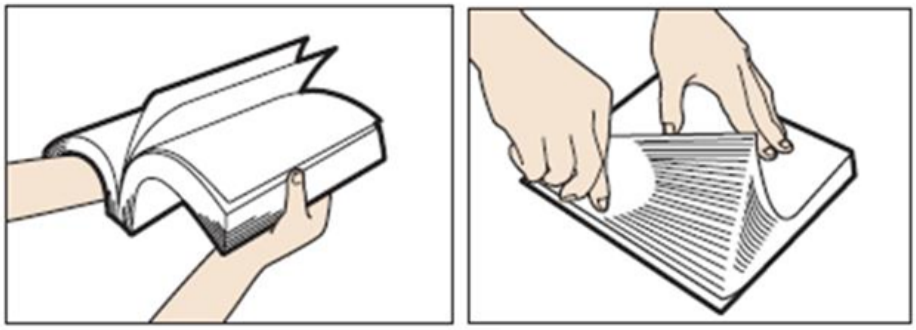
6. Make sure plenty of air gets in between the sheets.



d194d6104

If the above method is difficult, fan the paper in the following way.

- Hold the paper by the edge and fan it by flipping through the sheets. Repeat this fanning for all four sides.
- Place the paper on a flat surface and press down the edges.
- Fan it by flipping through the sheets. Repeat this fanning for all four sides.



Double-Feeding (J099, J470, J471, J485, J486)

Cause

This problem is caused by a variety of factors. Implement the following measures.

Solution

The user setting should be correct for the type of paper in the tray. Check and correct the settings

1. In Custom Paper Settings, set 41: [Paper Feed Mode (Adjust Fan Level)] to “Moderate Dble Fd Red. (Lower)”. Problem solved?

Yes	Finished!
No	Go to next step.

2. In Custom Paper Settings, change 41: [Paper Feed Mode (Adjust Fan Level)] to “Low”

   Do additional settings above for the paper and problem.

   - Excessive curl. Details Settings > 39: Side Fan Shutter > Enable. This should correct excessive curl.
   - Recycled, thin paper not separating. Detailed Settings > 37: Suction Fan > 70% > Change 60% then 50% and then check the results. This should stop thin paper from double-feeding.
   - Long custom paper sizes (Custom 3 and lower). Detailed Settings > 34: Upper Fan > 0%. This should stabilized feeding smaller paper sizes.

   Problem solved?

Yes	Finished!
No	These paper sizes cannot be fed reliably.

Here is a list of related SP codes you may want to try to adjust to solve the problem.

- SP1-943-001 to 100: Feed Mode Selection
- SP1-997-001 to 100: Side Fan Shutter
- SP1-942-001 to 100: Suction Fan
- SP1-939-001 to 100: Upper Fan

J430, J431,J445, J446, J460, J46

Cause

This problem is caused by a variety of factors. Implement the following measures. When feeding thin paper you may see the paper folded at the corners.

Solution

- Check the paper size setting for the tray and make sure that it matches the loaded paper size.
- Fan the paper to remove any static cling.
- If the paper is curled, remove it, turn it over, and load it again.

Note

- If these measures do not solve the problem, change the user settings described below.

1. In Custom Paper Settings, change 41: [Paper Feed Mode (Adjust Fan Level)] to “Moderate Dble Fd Red. (Lower)”.. Problem solved?

Yes	Finished!
No	Go to next step.

2. In Custom Paper Settings, change 41: [Paper Feed Mode (Adjust Fan Level)] to “Low””Problem solved?

Yes	Finished!
No	Go to next step.

Note

- Related SP code: SP1-943-001 to 100 Select Feed Mode.

3. If paper is Thk = 7 or higher, and the last sheet of the stack fails to feed, attach the accessory magnetic strip to the end fence. This is described in the next procedure below. Problem solved?

Yes	Finished!
No	Go to next step.

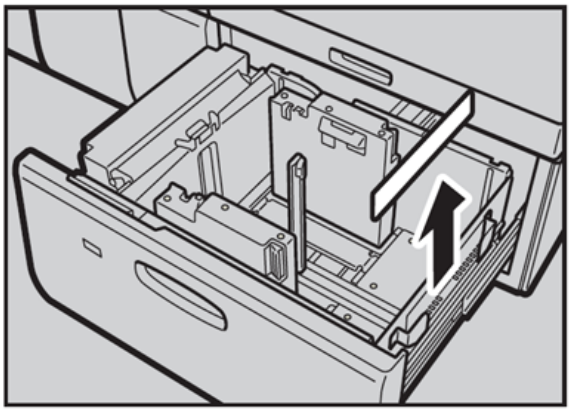
4. Clean the feed belt. (Cleaning the paper feed belt)
5. Problem solved?

Yes	Finished!
No	The paper cannot be used.

Attaching the Magnetic Strip to the End Fence

1. Confirm that the tray is not feeding paper, and then slowly open the tray. (If there is paper in the tray, remove it.)

2. Remove the magnetic strip from the pocket on the right side of the drawer.



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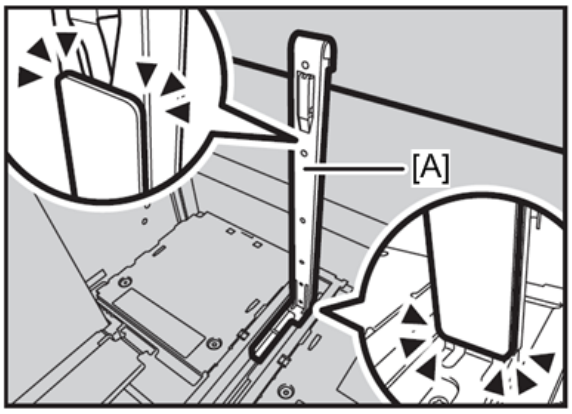
3. Set the bottom fitting on the end of the end fence [A], and then attach the magnetic strip so it does not block the opening but will contact the side of the stack.



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4. Load the stack of paper in the tray, close the tray, and then push it in completely.
5. Return the magnetic sheet to the pocket on the right side of the tray when you are finished using it.

Clean Suction Fan Filter

1. On the right rear cover of the unit, grip the filter as shown and remove it (it is held by magnets).

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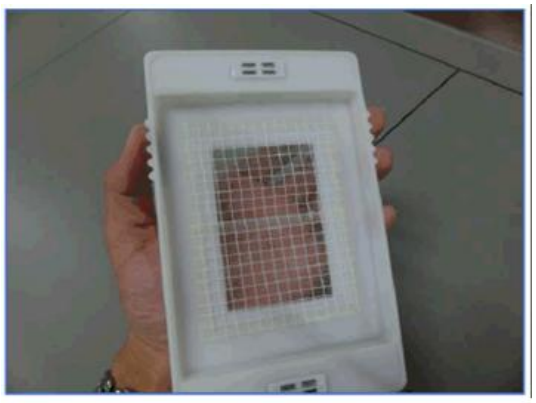
2. Use a vacuum cleaner to remove paper dust, dust, etc. accumulated in the filter.



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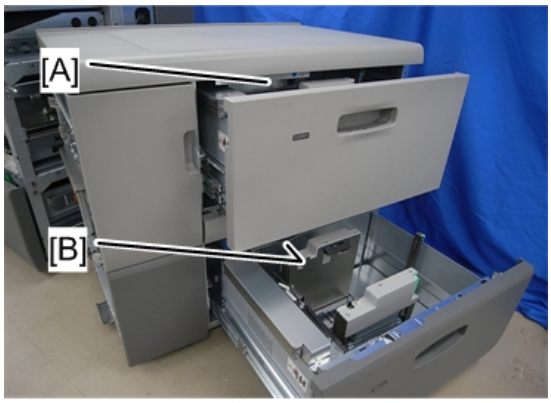
Cleaning the paper feed belt

1. Open the paper trays and locate the feed belts.
   - The feed belt of Tray 1 is at [A].
   - The feed belt of Tray 2 is at [B]



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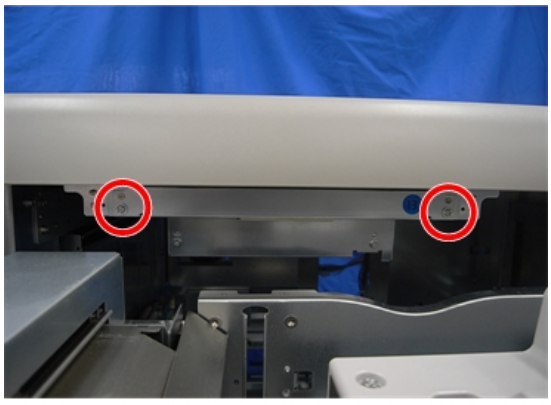
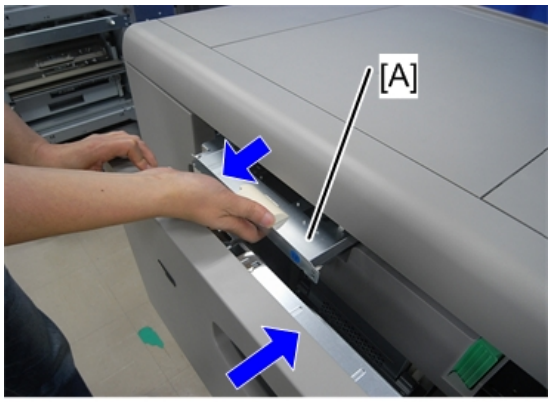
2. Unfasten the paper feed belt unit (x2).



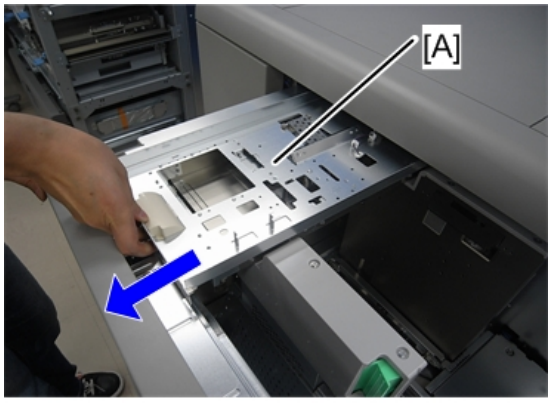
d777z0023

3. While holding the handle of the paper feed belt unit [A], close the paper tray halfway.



d777z0024

4. Pull the paper feed belt unit [A] out with the paper tray.



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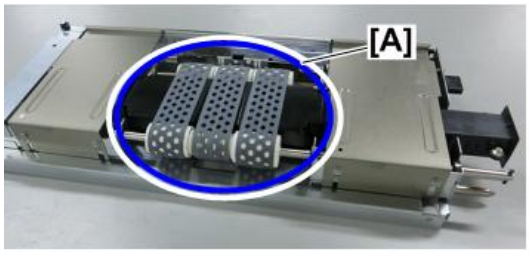
5. Turn the paper feed belt unit over and wipe the paper feed belt [A] with a damp cloth.



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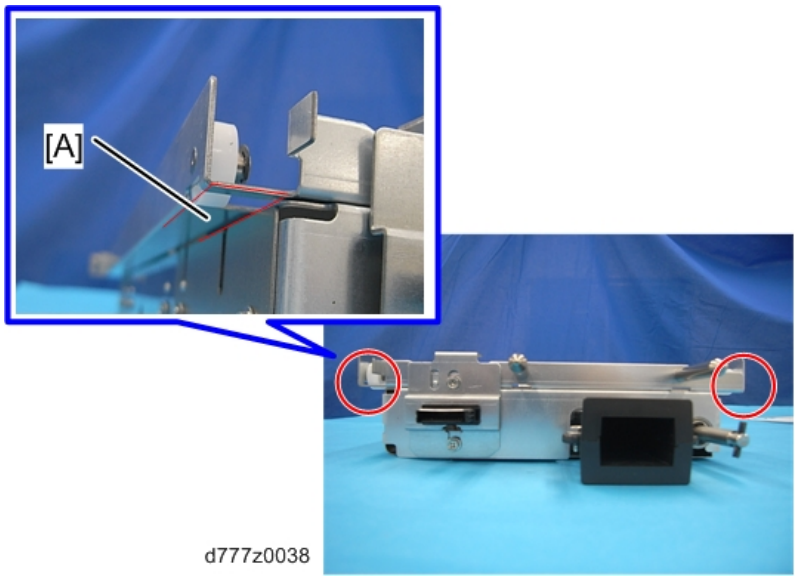
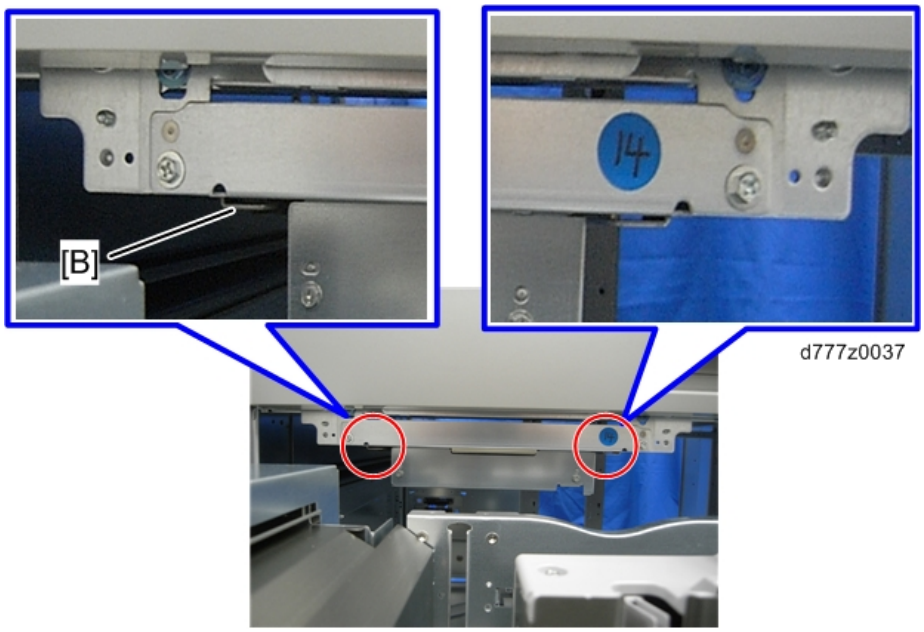
Re-installation

1. To avoid catching and damaging the paper feed belt, pull the feed belt unit out, parallel to the paper tray.



2. To avoid damaging the feed belt when re-installing it, align the right and left guides [A] with rails [B], and then lift slightly as you slide it in.



No Feeding

This problem is caused by a variety of factors. Implement the following measures.

Note

- If no feeding occurs when feeding remaining uncoated paper in the tray, try feeding again from the paper tray of the main machine, instead of the vacuum feed LCIT

1. Remove the paper from the paper tray and fan the paper. Problem solved?

Yes	Finished!
No	Go to next step.

2. Attach the Tab Sheet Holder. (Attaching the Tab Holder) Problem solved?

Yes	Finished!

No	Go to next step.

3. Clean the feed unit. Problem solved?

Yes	Finished!
No	Go to next step.

4. Create a new custom paper setting.
5. In Custom Paper Settings, set 41: [Paper Feed Mode (Adjust Fan Level)] to “Moderate Nonfdg Red. (Higher)”. Problem solved?

Yes	Finished!
No	Go to next step.

6. In Custom Paper Settings, set 41: [Paper Feed Mode (Adjust Fan Level)] to “Max Nonfdng Reduc. (Highest)”. Problem solved?

Yes	Finished!
No	Go to next step.

7. In Custom Paper Settings, change 40: [Switch Paper Load Upper Limit] from [Low] (18mm) to [High] (12mm). Problem solved?

Yes	Finished!
No	Go to next step.

8. Manually adjust the paper load upper limit. Problem solved?

Yes	Finished!
No	Go to next step.

9. Clean the paper feed belt. Cleaning the paper feed belt)

Excessive Shift or Skew, Image Skew on Paper

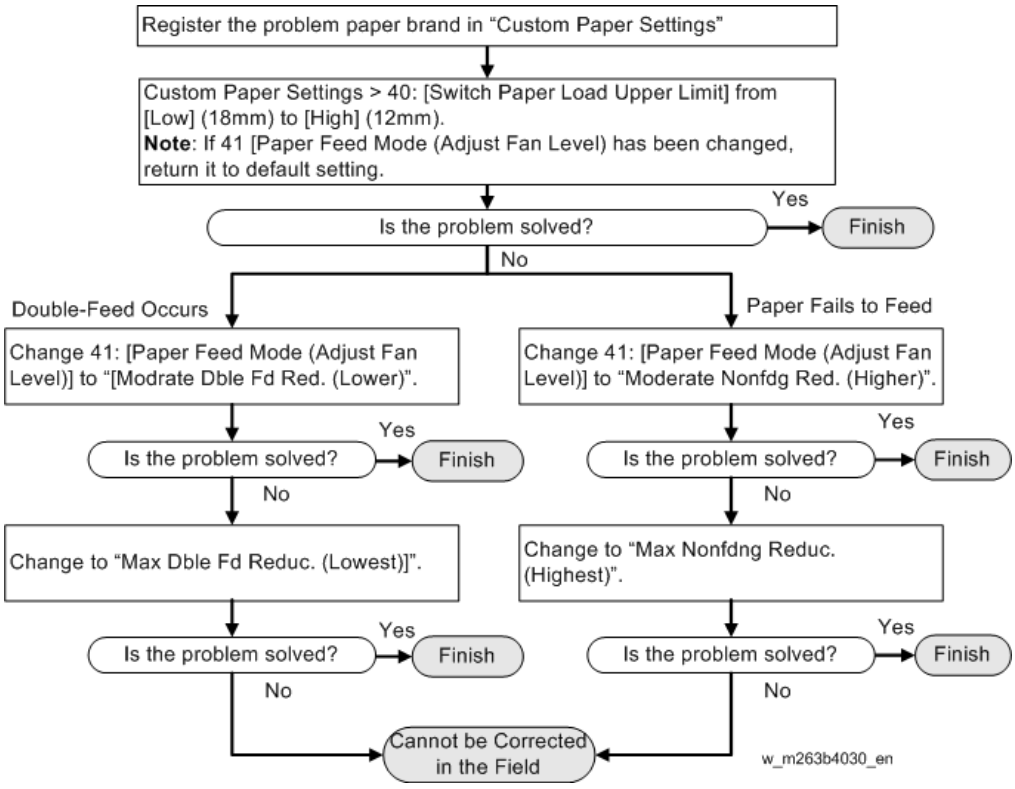
1. Paper type less than Thick 3?

Yes	Go to next step.
No	Problem cannot be corrected in the field.

2. Create a new custom paper setting.
3. In Custom Paper Settings, change 40: [Switch Paper Load Upper Limit] from [Low] (18mm) to [High] (12mm). Problem solved?

Yes	Finished!
No	Problem cannot be corrected in the field.

Folded Corners with Thin Paper



Stack Remains Up

Cause:

The paper stack remains up after the tray has been opened because the pressure of the spring [A] on the skew correction plate is stuck between the side fence, so the stack [B] remains up even after the plate is lowered from under it.

m263b4031

This problem occurs only when the operator opens the tray. This does not occur during paper feed because the bottom plate does not operate.

Solution:

Caution the operator that when opening the tray, check the top of the stack. If paper remains up, remove the stack and load it in the tray again.

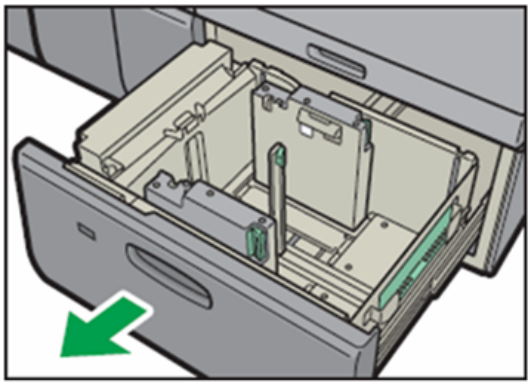
Shift Over, Over Skew, Image Skew

1. Adjust the side-to-side registration for the feed tray. (Adjusting Tray Side-to-Side Registration)
2. If adjusting side-to-side registration does not solve the problem, adjust skew by inserting a shim behind the connection plate. (Correcting Skew)
3. If you are using non-carbon paper (Thk = 5) and A5 paper sizes, use the tab sheet holder. (Attaching the tab sheet holder is described in the next section below.)

Attaching the Tab Holder

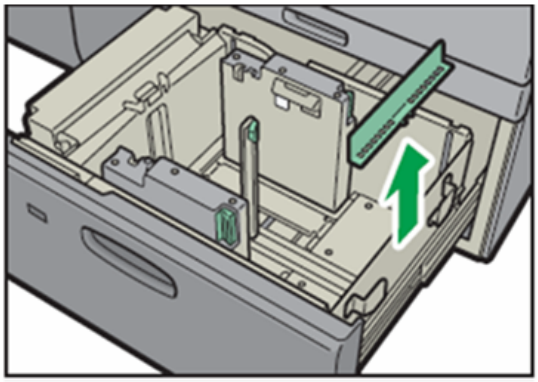
By attaching the tab sheet holder, you can prevent air from escaping at the trailing edge of the paper. This achieves better paper separation.

1. Pull the tray out until it stops.



d270b0805

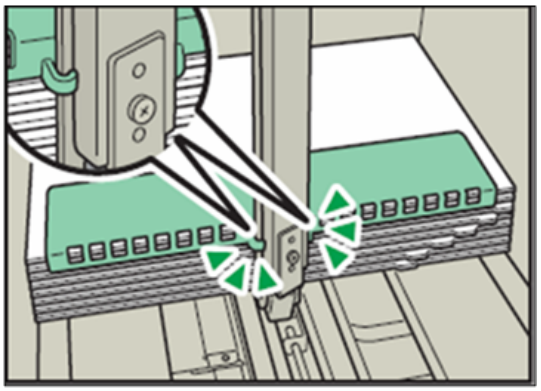
2. Take out the tab fence from the pocket on the right-hand side of the paper tray.



d270b0806

3. Set the side fences to the tabs for the paper size to be loaded, and then load the paper.
4. Attach the tab fence, and then align the end fence gently against the paper you loaded while pressing the

release button of the end fence.



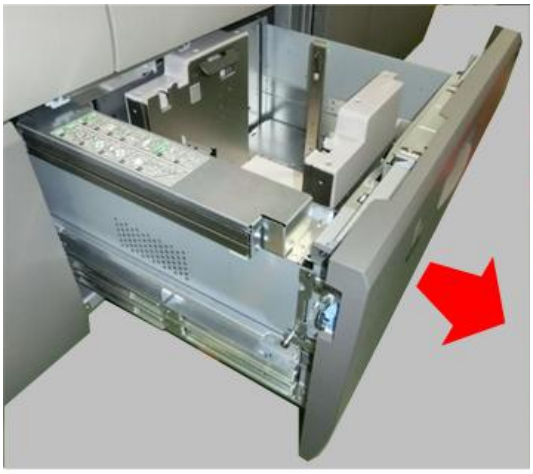
d270b0807

5. Close the tray.
6. Return the tab holder to the pocket on the right side of the tray when you are finished using it.

Adjusting Tray Side-to-Side Registration

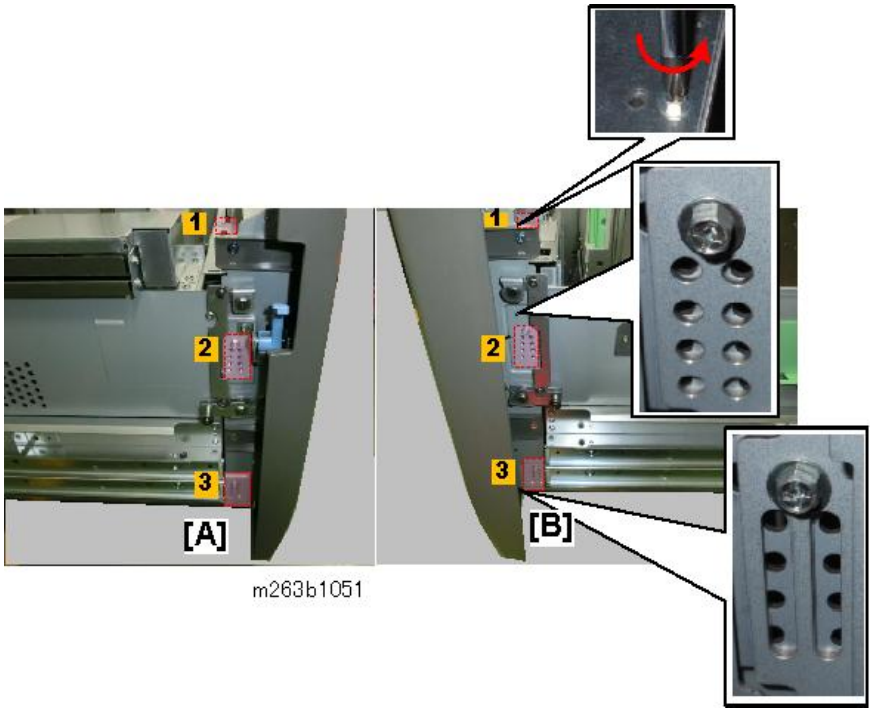
Normally, you can use SP1002 to adjust the position of the images for paper feed from the LCITs. You can also change the paper feed position first, manually, by adjusting the support plate of the front cover of the tray, and then, second, adjusting the position of the image with SP1002.

1. First, determine whether the paper stack needs to be moved to the front or the rear.
2. Pull out the tray.



m263b1050

3. There are three adjustment points on the left side [A] and right side [B] of the tray cover.
   [1] These screws need to be loosened to release the cover. They do not need to be removed.
   [2] This is the top adjustment grid (left and right).
   [3] This is the bottom adjustment grid (left and right)



m263b1051

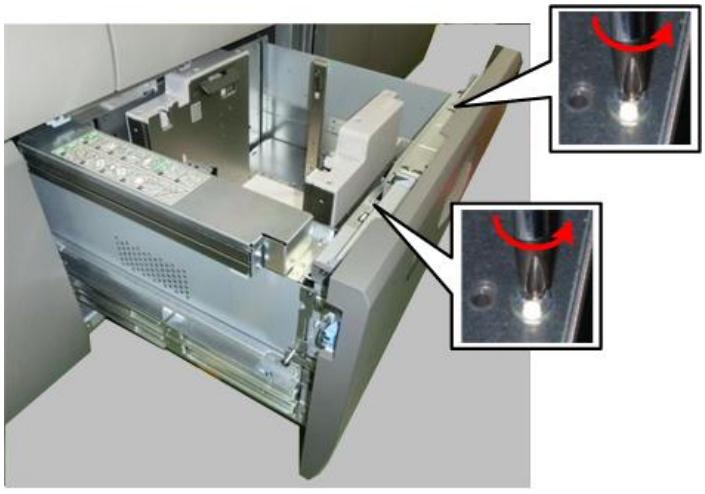
Important

- In order to change the position of the front cover plate evenly, the adjustments must be done at all six points, two on the left side (top and bottom), two on the right side (top and bottom), and two screws loosened on the top.

1. First, loosen the screws on the top front edge of the tray.

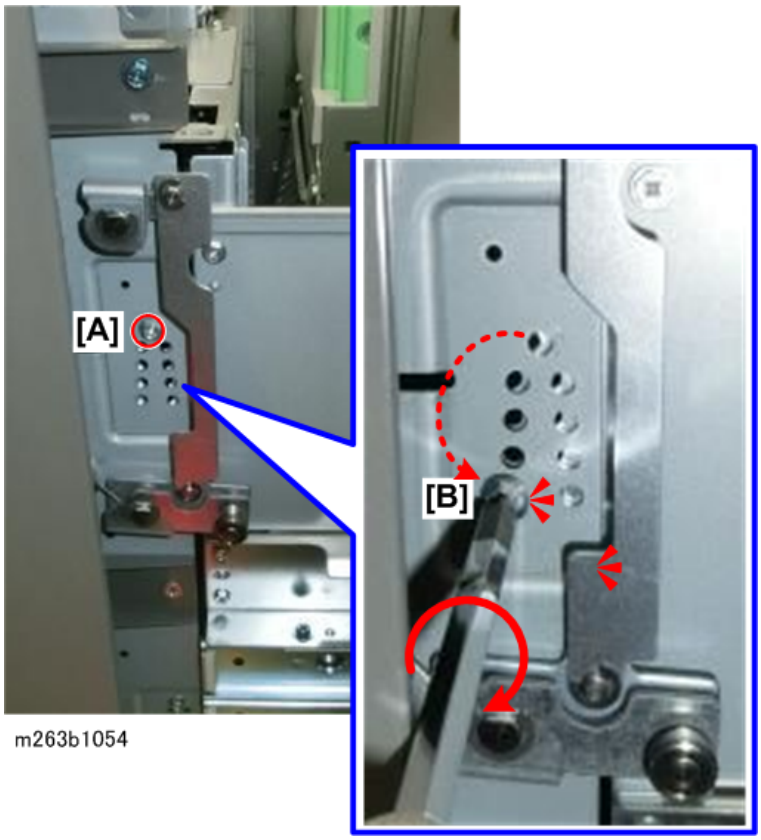
Note

- If you cannot see the screws, remove the front cover (x4).


m263b1053

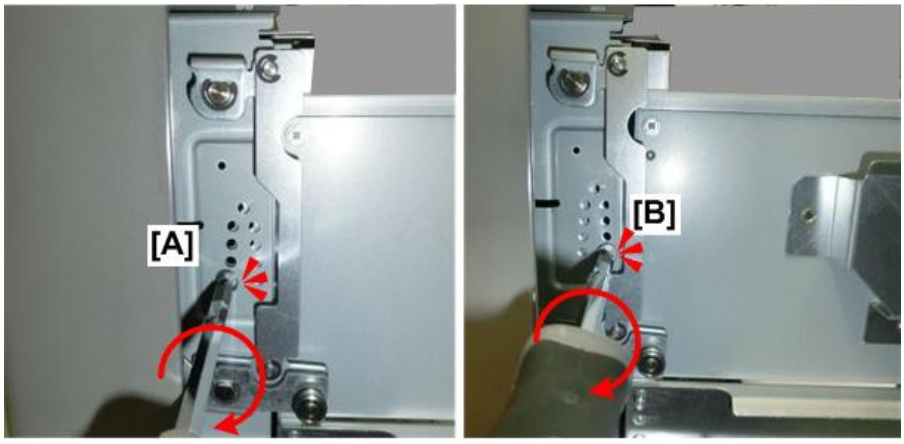
2. At each grid adjustment point, remove each screw [A]. This allows you to easily adjust the position of the cover so you can align the holes.
3. Fasten the screw into hole [B] for the selected adjustment. Be sure to fasten the screw at the same hole at

each adjustment point.



m263b1054

4. The adjustment range is ±2 mm in 0.5 mm steps for each hole.
5. In the example below, [A] is a full 2 mm adjustment to move the paper stack to the front.
6. In the example below, [B] is a full 2 mm adjustment to move the paper stack to the rear.



m263b1052

7. Tighten the screws on the top.
8. Close the tray.
9. Do some test prints, and then go into the SP mode and do the image adjustment for the tray with SP1002.

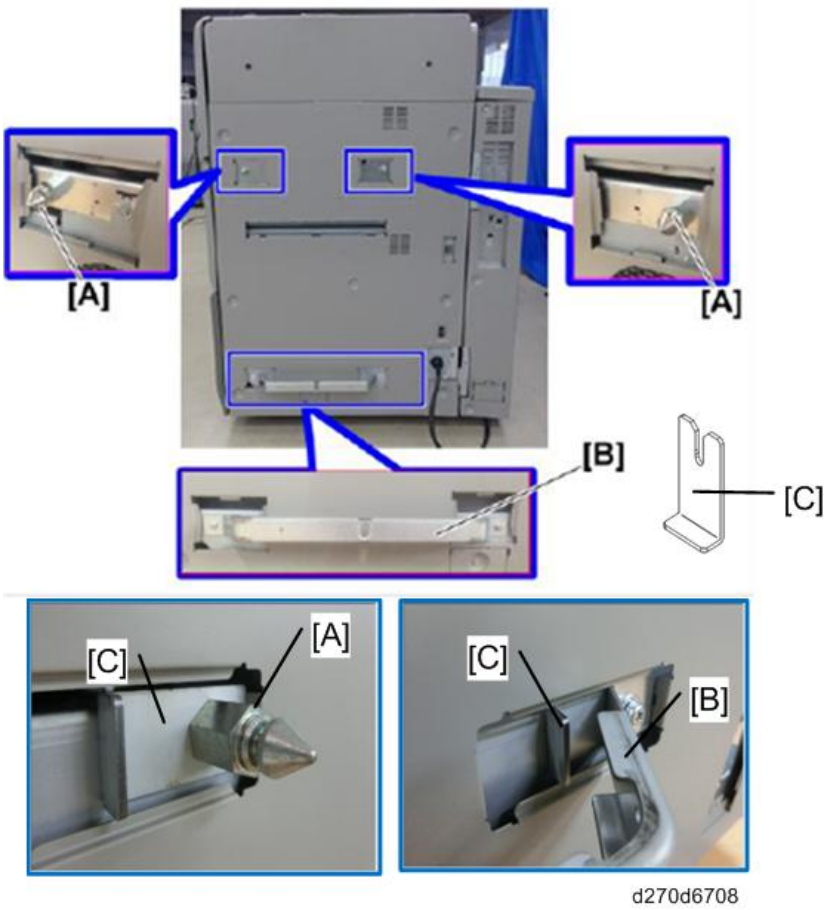
Correcting Skew

Skew Correction Method

- One Vacuum Feed LCIT attached
  Skew can be corrected at the pin [A] and bracket [B] between the main machine and LCIT with insertion of an accessory skew correction shim [C].
- Two Vacuum Feed LCIT attached
  If more than one LCIT is in the line, the skew correction can be done with the correction shim at the connection between the main machine and LCIT closest to the main machine.

Note

- Each skew correction shim is 1.0 mm thick. Inserting one shim is equivalent to about 0.25/100 mm of correction in paper skew.
- Up to four shims can be inserted to correct skew.



Skew Correction Procedure

Follow the procedure below to check for paper skew after installation.

1. Go into the SP mode, open SP2-109-003 and print Test Pattern #14. This is the Trim Pattern.
2. At the top of the SP mode screen, touch “Copy Screen” to go into the copy mode (the copy screen appears).
3. Make sure at least three sheets of paper are set for copying, and then print three sheets.

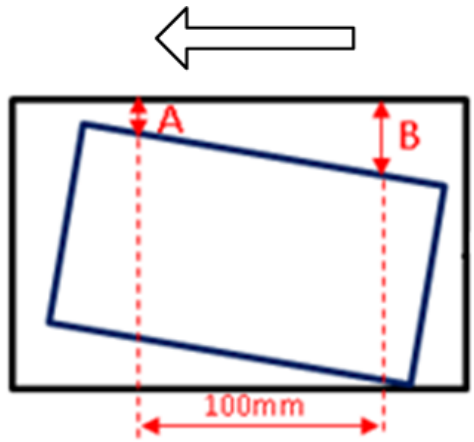
4. Check the placement of the Trim Pattern on the sheets as shown below.

Case 1: Image Skewed to the Front

Measure the amount of skew. This is the difference between A and B.

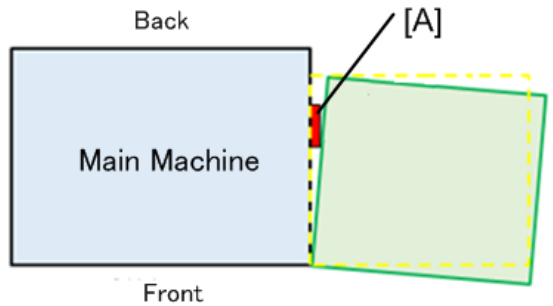
Note

Up to four shims stacked at one point can be used to correct paper skew.



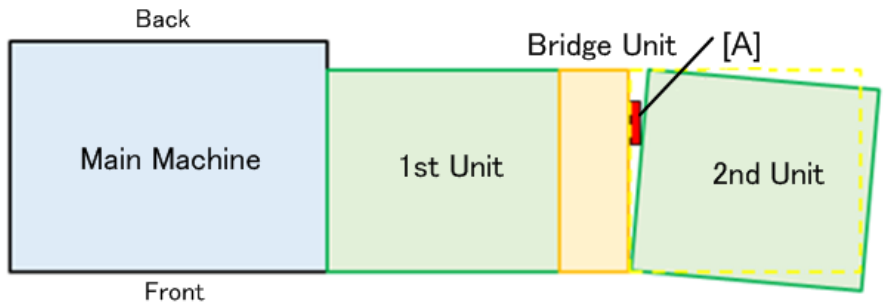
d270d6709

If the amount of skew (difference between A and B) is 1 mm and there is only one LCIT RT5100 in the line, insert two shims at the rear [A] as shown.



w_d270b6710_en

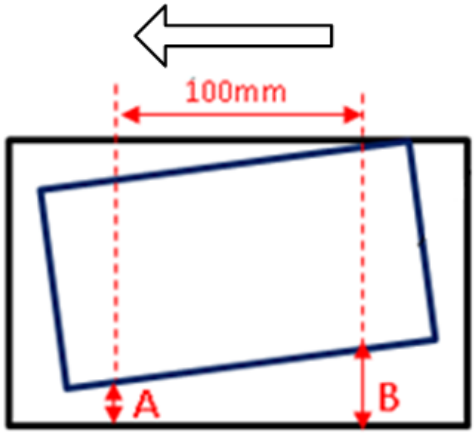
If the amount of skew (difference between A and B) is 1 mm and there are two LCITs RT5100 in the line, insert two shims at the rear [A] as shown on the left side of the upstream LCIT.



w_d270b6714_en

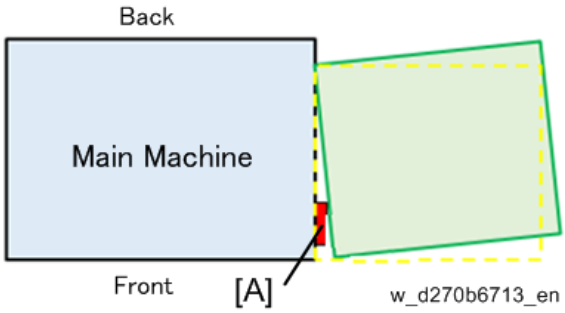
Case 1: Image Skewed to the Rear

Measure the amount of skew. This is the difference between A and B.

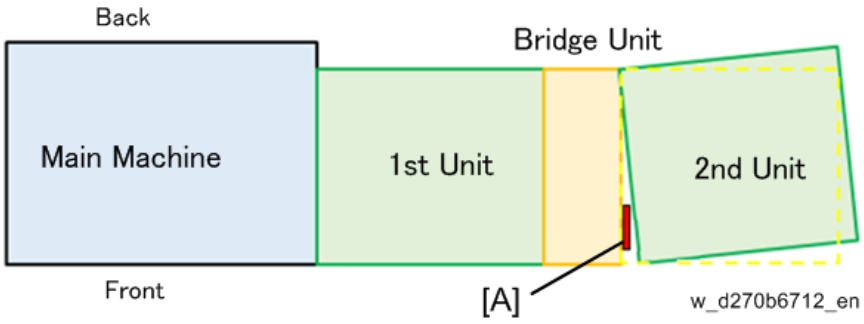


d270d6711

If the amount of skew (difference between A and B) is 1 mm and there is only one LCIT RT5100 in the line, insert two shims at the front [A] as shown.



If the amount of skew (difference between A and B) is 1 mm and there are two LCIT RT5100 in the line, insert two shims at the front [A] as shown on the left side of the upstream LCIT.

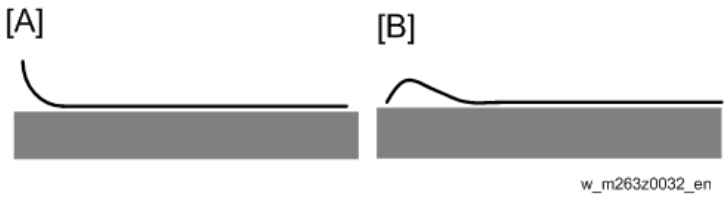


High Capacity Stacker

Delivered Sheets Are Severely Curled

Cause:

Curled sheets can cause strong friction at their leading edges. This may result in paper misfeeds. Sheets will not be ejected completely and the trailing edges will be left inside the paper exit. If this happens, other sheets may slip under the delivered sheets, so that the delivered sheets may be curled when loaded.

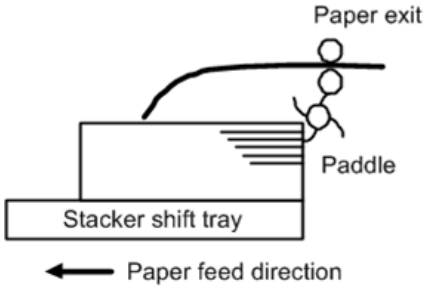


w_m263z0032_en

[A]	Concave curl. Paper exits with curve down.
[B]	Convex curl. Paper exits with curve up.

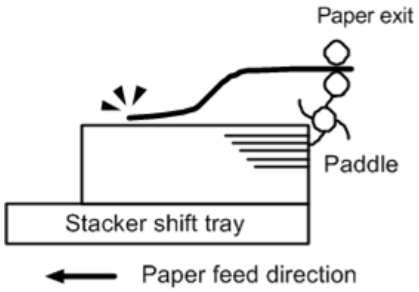
Here is a detailed description of how this problem can occur.

1. An uncurled sheet is delivered to the stacker shift tray.



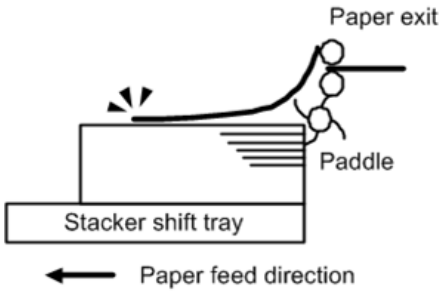
w_m205a4123_en

2. Strong friction occurs at the trailing edge so that the paddle cannot pull the sheet back and align the edges of the sheet with those of the stack.



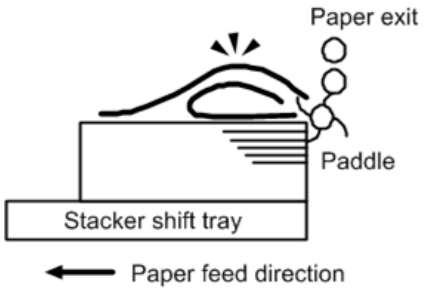
w_m205a4124_en

3. The paper edge stopper fails to push back the protruding leading edge and align the sheet as required.



w_m205a4125_en

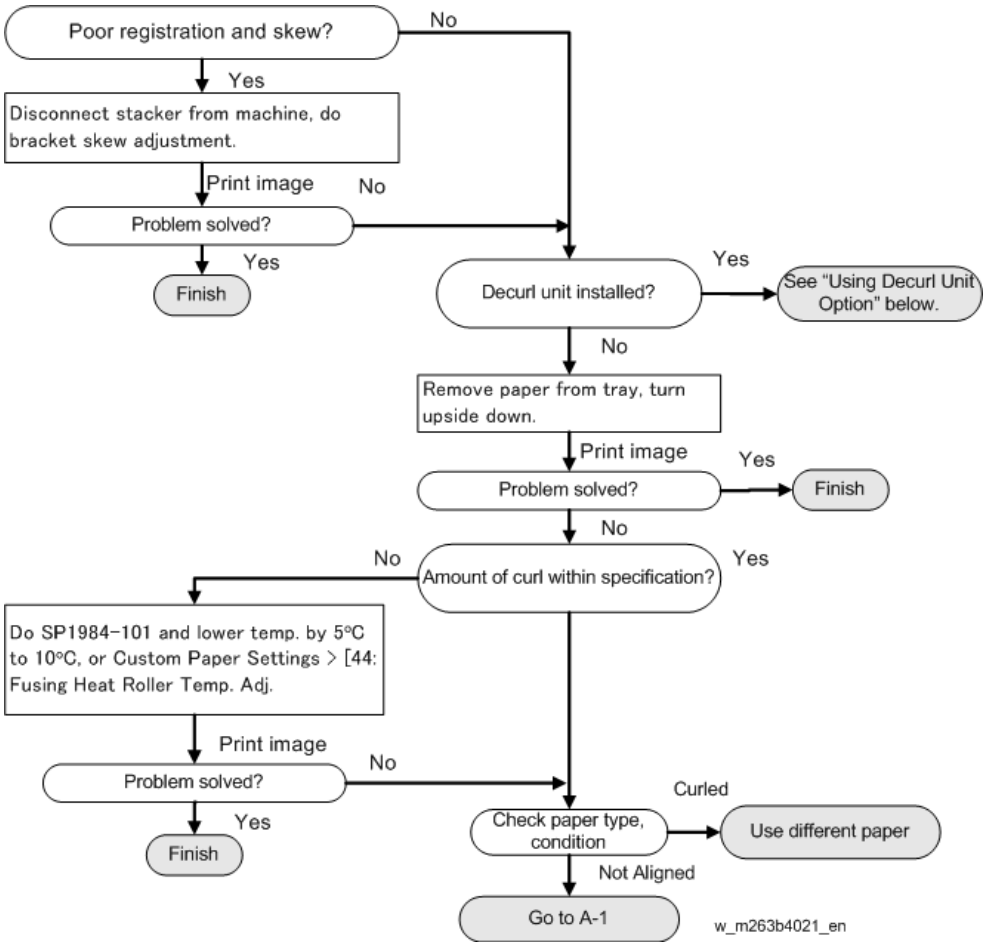
4. Stacked sheets are not aligned properly.

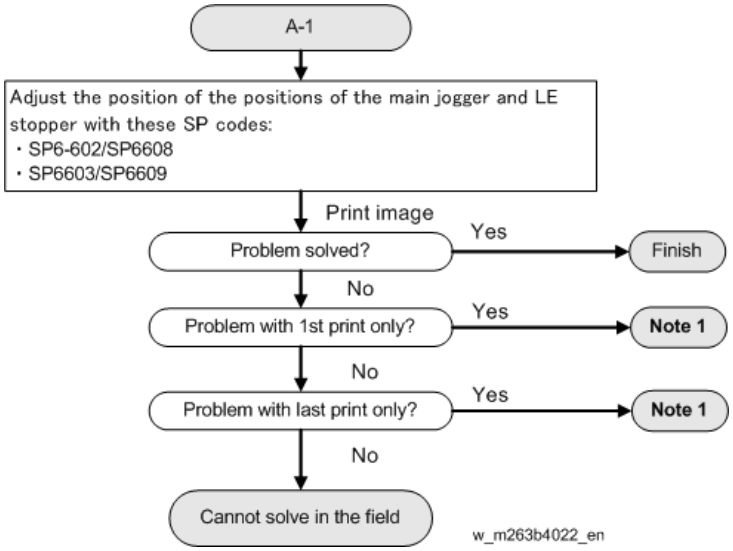


w_m205a4126_en

Not Using Decurl Unit Option

Remove the stack, turn it upside down, load it in the tray again, and then adjust the fusing temperature.





Note 1

- Problem cannot be resolved. If the problem occurs on only the first sheet, print a blank sheet as the first sheet, and if the problem occurs on the last sheet, print a blank sheet as the last sheet.

Using the Decurl Option

Follow this procedure to correct paper curl with the Decurl Unit.

1. Using coated paper?

Yes	In the [Adjustment Settings for Skilled Operators] menu, set 0310: [Adjust Paper Curl] to [Adjust ⌒ Curl: Weak]. Go to next step.
No	Go to next step **7.**

2. Print the image. Problem solved?

Yes	Finished!
No	Go to next step.

3. Set 0310: [Adjust Paper Curl] to [Adjust ⌒ Curl: Strong].
4. Print the image. Problem solved?

Yes	Finished!
No	Go to next step.

5. Convex curl within specification?

Yes	The problem cannot be corrected in the field.
No	Go to next step.

6. Turn the stack upside down, and go to step **3** again. If the amount of curl exceeds specification, do SP1984-101 to 131 to lower fusing temperature by 5°C to 10°C to reduce the amount of curl. You can also use the Custom Paper Settings > 44: [Fusing Heat Roller Temperature Adj.] to adjust the fusing temperature.
7. Convex curl with Plain Paper?

Yes	In the [Adjustment Settings for Skilled Operators] menu, set 0310: [Adjust Paper Curl] to [Adjust ⌣ Curl: Weak].

	Go to next step.
No	The problem cannot be corrected in the field.

8. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

9. Set 0310: [Adjust Paper Curl] to [Adjust ⌣ Curl: Strong].
10. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

11. Convex curl within specification?

Yes	The problem cannot be corrected in the field.
No	Go to next step.

12. Turn the stack upside down, and go to step **9** again. If the amount of curl exceeds specification, do SP1984-101 to 131 to lower fusing temperature by 5°C to 10°C to reduce the amount of curl. You can also use the Custom Paper Settings > 44: [Fusing Heat Roller Temperature Adj.] to adjust the fusing temperature.

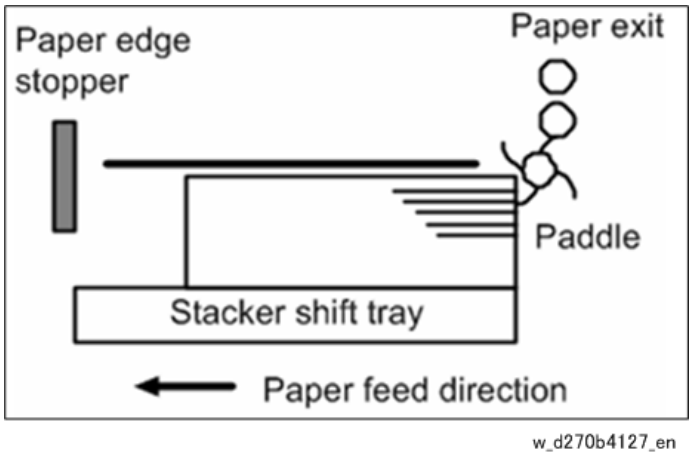
Delivered Sheets Are Not Aligned

Cause:

When sheets are delivered to the stacker tray, because of paper-to-paper friction, the paddle fails to pull the trailing edge back into the front guide, resulting in misalignment. The paper edge stopper also fails to push back the protruding leading edge. This is likely to occur if Thick (280 g/m2 [105 lb. Cover] or heavier), uncurled A3 or larger paper is used.

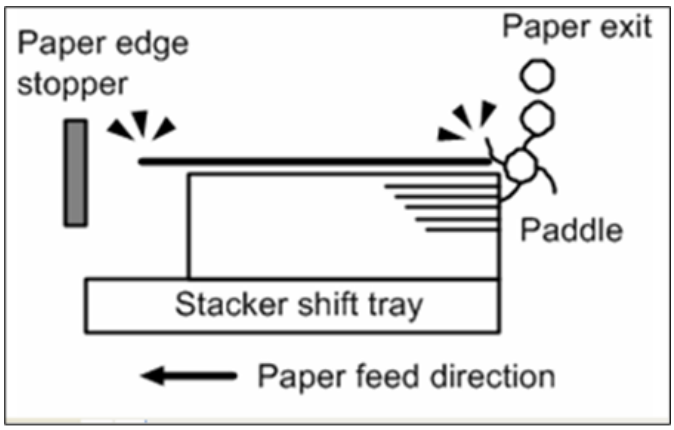
Here is a detailed description of how this problem can occur.

1. An uncurled sheet is delivered to the stacker shift tray.



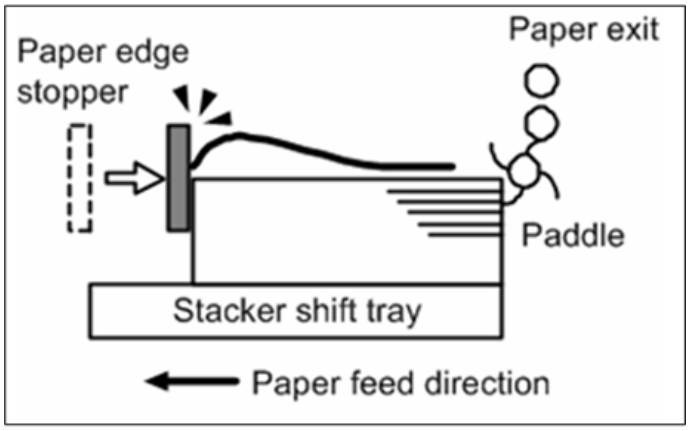
2. Strong friction occurs at the trailing edge so that the paddle cannot pull the sheet back and align the edges of

the sheet with those of the stack.



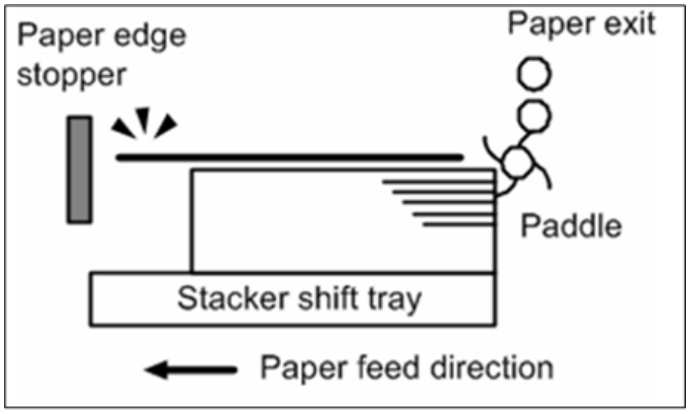
w_d270b4128_en

3. The paper edge stopper fails to push back the protruding leading edge and align the sheet as required.



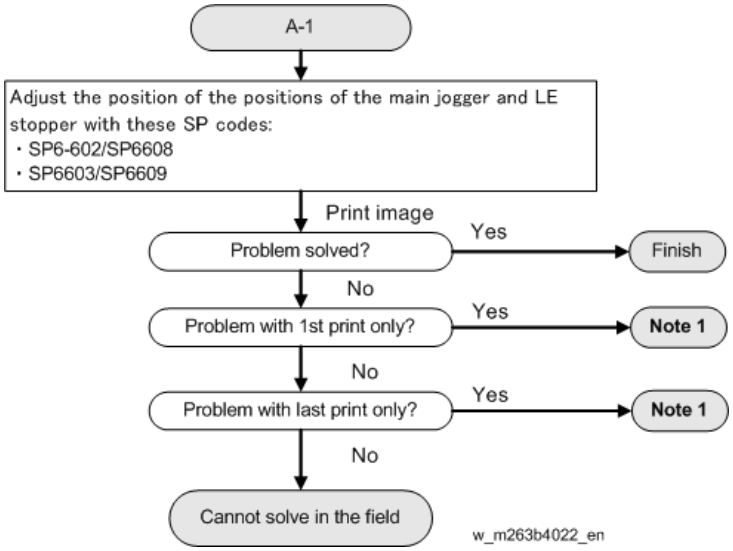
w_d270b4129_en

4. Stacked sheets are not aligned properly.



w_d270b4130_en

If the Decurl Unit option is not being used



Note 1

- Problem cannot be resolved. If the problem occurs on only the first sheet, print a blank sheet as the first sheet, and if the problem occurs on the last sheet, print a blank sheet as the last sheet.

If the Decurl Unit is being used

Follow this procedure to correct paper curl with the Decurl Unit.

1. Using Thick Paper?

Yes	In the [Adjustment Settings for Skilled Operators] menu, set 0310: [Adjust Paper Curl] to [Adjust ⌒ Curl: Weak]. Go to next step.
No	Go to next step **7.**

2. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

3. Set 0310: [Adjust Paper Curl] to [Adjust ⌒ Curl: Strong].
4. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

5. Convex curl is within specification?

Yes	The problem cannot be solved in the field.
No	Go to next step.

6. Turn the stack upside down, and go to step **3** again. If the amount of curl exceeds specification, do SP1984-101 to 131 to lower fusing temperature by 5°C to 10°C to reduce the amount of curl. You can also use the Custom Paper Settings > 44: [Fusing Heat Roller Temperature Adj.] to adjust the fusing temperature.
7. Convex curl with Plain Paper?

Yes	In the [Adjustment Settings for Skilled Operators] menu, set 0310: [Adjust Paper Curl] to [Adjust ⌣ Curl: Weak].

	Go to next step.
No	The problem cannot be corrected in the field.

8. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

9. Set 0310: [Adjust Paper Curl] to [Adjust ⌣ Curl: Strong].
10. Print the image. Problem solved??

Yes	Finished!
No	Go to next step.

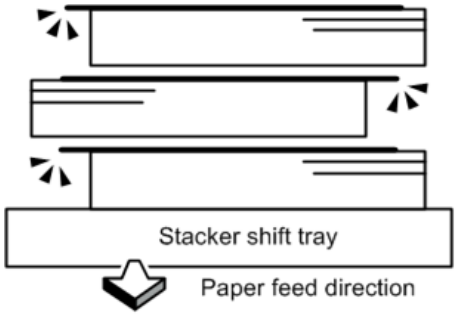
11. Convex curl is within specification?

Yes	The problem cannot be corrected in the field.
No	Go to next step.

12. Turn the stack upside down, and go to step **9** again. If the amount of curl exceeds specification, do SP1984-101 to 131 to lower fusing temperature by 5°C to 10°C to reduce the amount of curl. You can also use the Custom Paper Settings > 44: [Fusing Heat Roller Temperature Adj.] to adjust the fusing temperature.
If this does not solve the problem, adjust the positions of the main jogger and LE stopper with these SP codes:
    - SP6-602/SP6-608
    - SP6-603/SP6-609

Note

- The top sheet of each offset bundle of delivered sheets may protrude above the rest of the bundle by about 7 mm.



w_m205a4122_en

Registration, Skew Adjustment

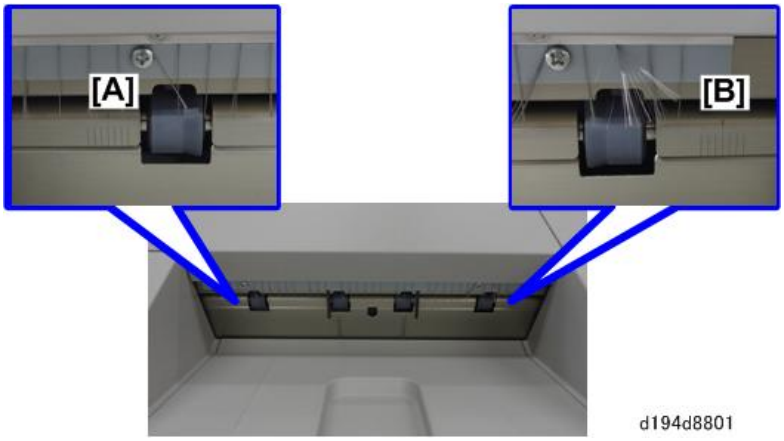
Registration Adjustment

Important

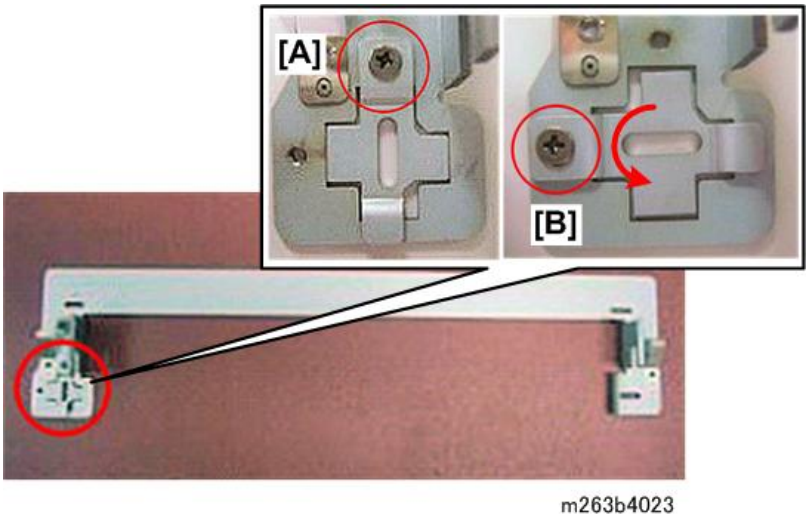
- Disconnect the stacker from the upstream unit and do this adjustment on the left side of the upstream unit connected to the main unit. To avoid damaging the cart set switch, be sure to remove the Roll-away cart from inside the stacker when you disconnect the upstream unit.
- If a Booklet (or Stapler) finisher is connected downstream, paper cannot be output to the proof tray of the stacker. With a downstream finisher connected, do the adjustment after disconnecting the I/F cable

of the finisher and then turning the main machine on.

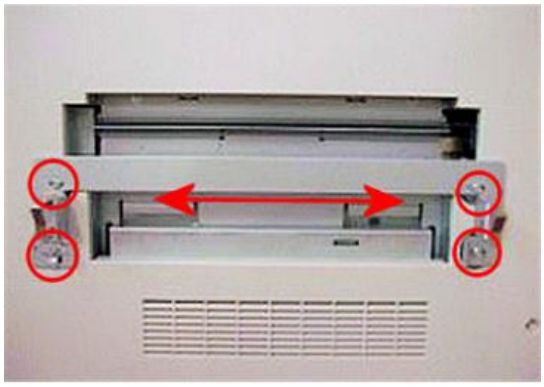
1. Load some A3 or 11”x17” paper in the 2nd tray of the main unit, and then output several sheets of single-side printing to the proof tray stacker.
2. Watch the edge of each sheet as it exits the unit. If the edge is within the first notch (2 mm) on the scale, there is no problem. If the edge goes beyond the first notch, adjustment is required.
   [A]: This is the rear scale for 11"×17" (DLT)
   [B]: This is the front scale for A3



3. Disconnect the stacker from the upstream unit.
4. Remove bracket [A] of the upstream unit and rotate it to [B] (x1). Changing the position of this bracket aligns the oval cut-out horizontally and frees the joint bracket so that it can slide from side to side.



5. Loosen the screws of the bracket and slide it to the left or right to adjust the position.



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6. Dock the stacker to the upstream unit again, print some more sheets, and then check registration and skew again to make sure that the edges of the sheet do not go beyond the first notch of the scale.
7. If there is no problem, connect the units and set the shoes.

Manual Skew Correction

1. Disconnect the stacker from the upstream unit.
2. Remove the front right cover [A] (x3).

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3. Remove the skew adjustment spacers (x1).

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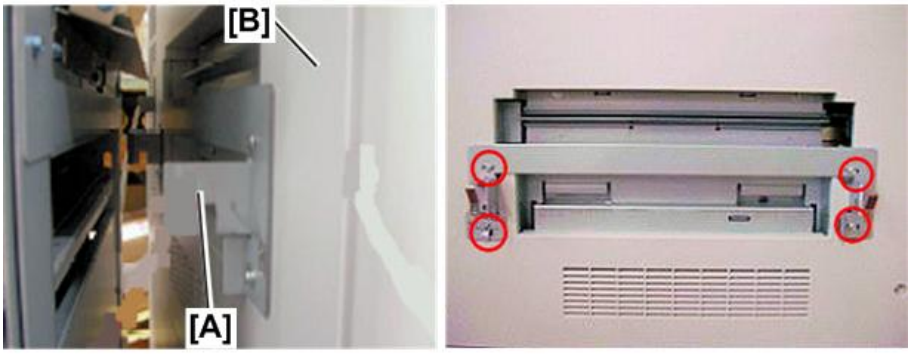
4. The adjustment bracket is [A] on the left side of the upstream unit [B]. Loosen the screws of the connection bracket, slide the bracket to the left or right to adjust the position, insert the spacer behind the bracket, and then tighten the screws.



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Note

- A spacer is 2 mm thick. If the adjustment requires more than 2 mm, use another spacer.

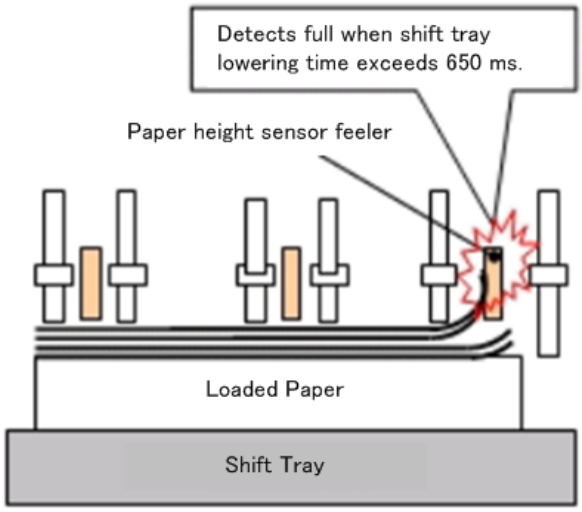
5. Dock the stacker to the upstream unit, and then do some more test prints, and if the amount of skew is still beyond the first notch, do the procedure again and insert another spacer if required.
6. If no further adjustment is required, re-attach the right front cover of the stacker, and then connect the stacker to the upstream unit.

Premature Shift Tray Full Detection

Cause:

When paper that is about as wide as the paper height sensor feeler is discharged to the shift tray, if it has side face curl, the edge of the paper may fail to go under the paper height sensor feeler and ride up on the feeler;

alternatively, by coming in contact with the paper height sensor feeler, it may ride up and press against the feeler and the load from this may hinder the movement of the feeler. In this case, even if the shift tray moves down, the paper height sensor feeler fails to turn the sensor OFF, and the lowering time of the shift tray ends up exceeding 650 ms, and the unit ends up sensing it is full.



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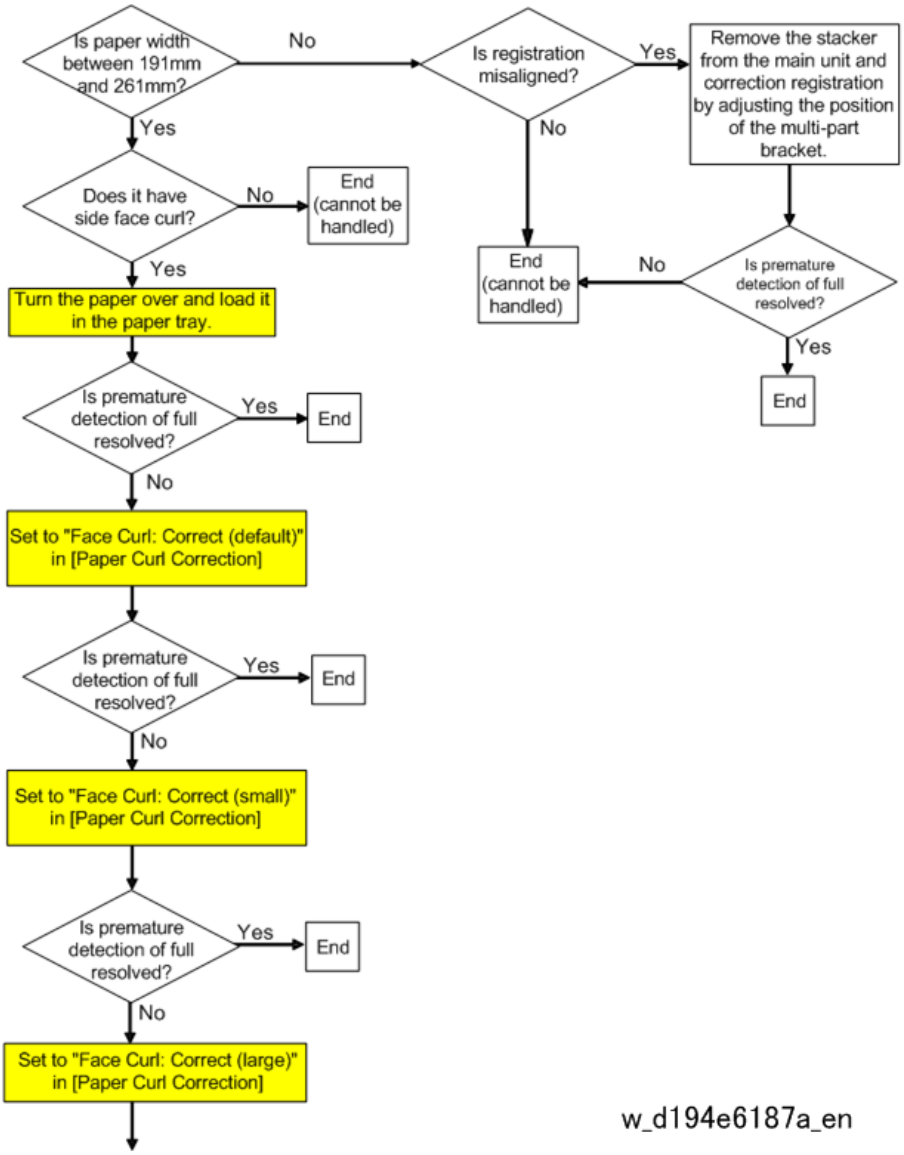
This is likely to occur if paper of a certain width is output to the shift tray, the unit may detect being full prematurely. (Paper between roughly 191 mm to 261 mm wide)

Solution:



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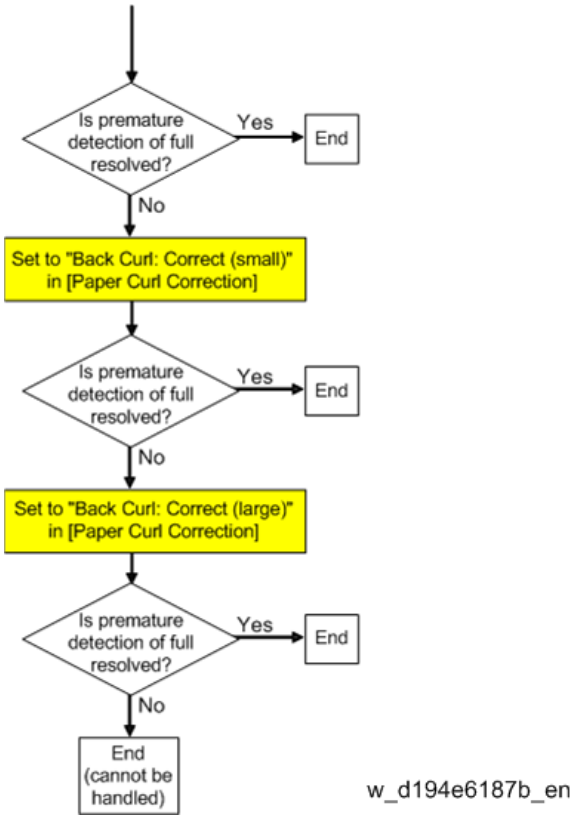

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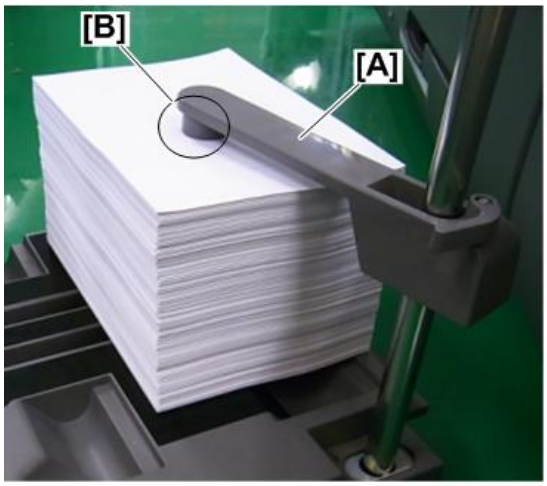
Marks Left by the Paper Holder

Pressure from the paper holder [A] on the cart may leave marks where the holder pressed down [B].



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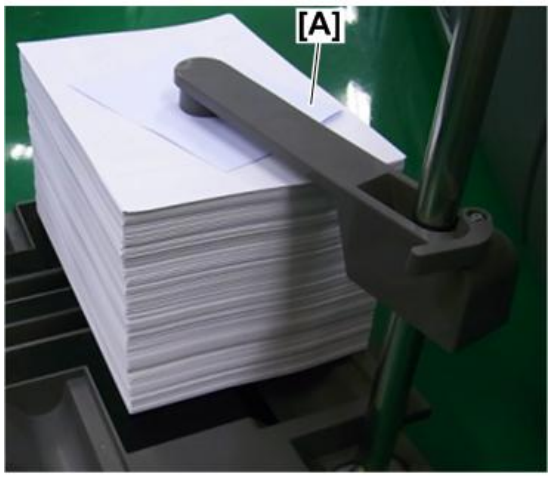
Cause:

The paper holder exerts more pressure than the previous model of cart, which creates the potential for leaving marks on the stack of paper when it is holding it. The top pages of the stack are prone to having marks left.

Solution:

Marks can be prevented by putting scrap paper in between [A].



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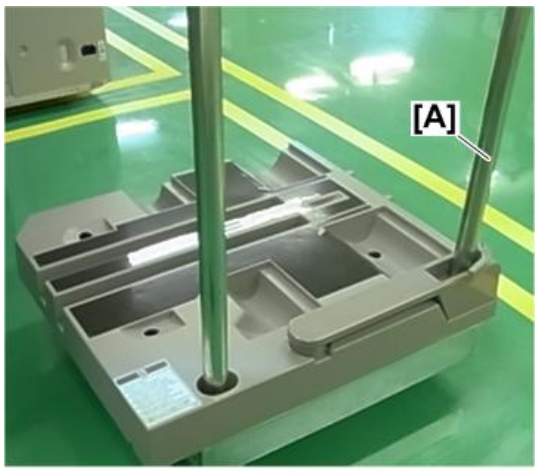
Prevent Loosening of Screws to the Cart's Handle

There have been cases of screws [A] to the handle of the cart loosening.



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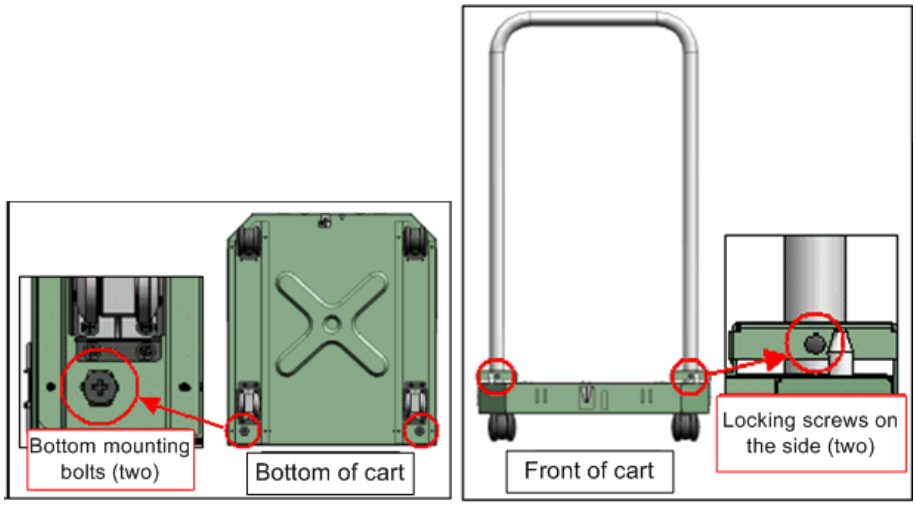
Cause:

The torque on the mounting bolt of the handle on the bottom of the cart is too low, so when the cart is loaded with paper and it is pushed/pulled repeatedly, the mounting bolt may get loose. This is likely to occur if the torque on the mounting bolt of the handle is less than 18Nm.

Solution:

If the cart's handle starts to rattle, or if the paper holder fails to be effective because of loosening, re-tighten the mounting bolt on the bottom of the handle.

Also, if the locking screws on the side of the handle get loose, re-tighten them.



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Punch Unit

Improving Throughput

Reducing Wait Time before Printing

After receiving a print job, the machine usually stops to let the fusing temperature reach an appropriate level for printing. The waiting time for the fusing unit to cool down may be quite long, especially before printing on thin paper. By decreasing or increasing the standby fusing temperature for the type of paper in use, you can reduce the waiting time.

1. On the machine operation panel: Adjustment Settings for Skilled Operators > Image Quality > Adjust Fusing Temperature on Standby >
   - Decrease temperature 10°C for thin paper
   - Increase temperature 10°C for thick paper.
2. Decrease by 10°C the values for Temperature on Standby Mode, Temperature on Low Power Mode, and Temperature Before Performing a Process.
   - SP 1-107-001: Standby Target Temp. Setting Standby: Center
   - SP 1-107-005: Standby Target Temp. Setting Low Power: Center
   - SP 1-107-007: Standby Target Temp. Setting Print Ready: Center

Note

- When printing on paper other than thin paper, we recommend leaving the above settings unchanged

Improving Throughput with Coated Paper

This procedure describes measures for printing on coated paper equivalent to Paper Weight 7 or higher. When printing on coated paper with a thickness equivalent to Paper Weight 7 or higher, the machine's copy/print speed must be reduced to 80% of full speed (for A4 paper) so that the degree of toner fixation can be enhanced. However, depending on the type of paper in use and printed image, you can have the machine print at full copy/print speed.

The requirements for improving throughput when using coated paper with a thickness equivalent to Paper Weight 7 or higher are described below.

1. In Advanced Settings for the custom paper in use, increase the value in Process Speed Setting by one step. (SP 1-852-001 to 100: Process Speed Custom Paper 001 to 100)
   - If it is presently set to Low, change it to Middle.
   - If it is presently set to Middle, change it to High.
2. Set “Fusing Heat Roller Temperature Adj” to 185°C. (SP1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100).
3. Print the image. Does it exhibit any fusing problem?

Yes	You cannot improve throughput under the present condition. Restore the previous setting.
No	You can operate the machine using this setting.

The following table shows the copy/print speed available for each item in “Process Speed Setting”.

Mode	Speed/Machine
High (Full Speed)	136 cpm (Pro 8220S/Pro 8220Y) 111 cpm (Pro 8210S/Pro 8210Y) 96 cpm (Pro 8200S)
Middle	111 cpm (Pro 8220S/Pro 8210Y)
Low	96 cpm (Pro 8220/8220Y) 96 cpm (Pro 8210S/8210Y)

Reducing Wait Time with Mixed Paper Sizes 1

When using mixed paper, the fusing unit settings can switch to accommodate the different types and sizes of paper, and this affects the wait time, which can lower productivity. However, depending on how the client is using the machine, there are occasions when it is best for the client to operate the machine even when fusing conditions are not exactly ideal. This procedure describes how to check whether the wait time during jobs with mixed paper can be reduced.

There are three cases when wait time can occur:

- **Case 1**. For brand name paper where there is a large difference in the heating roller temperature settings for differences in paper thickness from the previous type of paper used.
- **Case 2**. For brand name paper where there is a large difference in the heating roller temperature for differences in paper thickness and width (front-to-rear across the paper path is the width).
- **Case 3**. Repeated low volume print jobs.

This procedure describes how to reduce the wait time for Case 1 above.

Solution:

1. Are the heating roller temperature settings different for the intervals between different types of paper?

Yes	Go to Step 2.
No	No solution for this machine.

2. Raise the setting for low heating roller temperature paper by +5C. (SP 1-850-001 to 100: Htg Roller Temp Setting Custom Paper 001 to 100) (Upper limit: This is the same as the as the temperature for high temperature paper.)
3. Do a sample print. Did this reduce the wait time?

Yes	Go to Step 4.
No	Repeat Step 2.

4. Can you get permission from the client to reduce efficiency of paper feed?

Note

- This step could possibly cause paper curl, jams, or wrinkling with low fusing temperature paper.

Yes	Go to Step 5.
No	No solution for this machine.

5. Can you get permission from the client to reduce image quality?

Note

- This step could possibly cause paper curl, jams, or wrinkling with low fusing temperature paper.

Yes	Finished!
No	No solution for this machine.

Important

- Never reduce the heating roller temperature for high fusing temperature paper. Doing so could cause poor fusing and foul the parts inside the machine with toner.

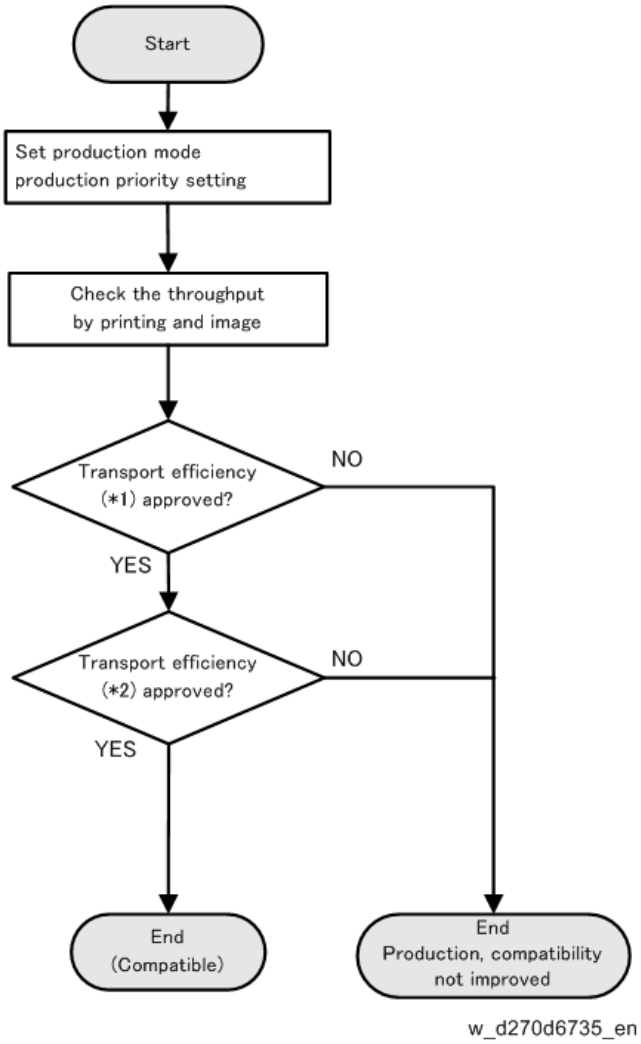
Reducing Wait Time for Mixed Paper Sizes 2

When printing with mixed paper sizes, the increase in the time required for the machine to adjust the fusing unit settings suitable for all the different sized paper can on occasion reduce productivity. Follow this procedure to determine the minimum wait time while achieving optimal fusing conditions for the client's needs when using mixed paper sizes.

The wait time may increase in the following cases:

1. When there is a large difference in the heating roller temperature settings for differences in paper types and paper thicknesses.
2. When there is a large difference in the heating roller temperature settings for differences in paper types and paper widths (where width is in the direction across the paper path, front to rear of the machine)
3. When there is a large number of rapidly repeated small jobs.

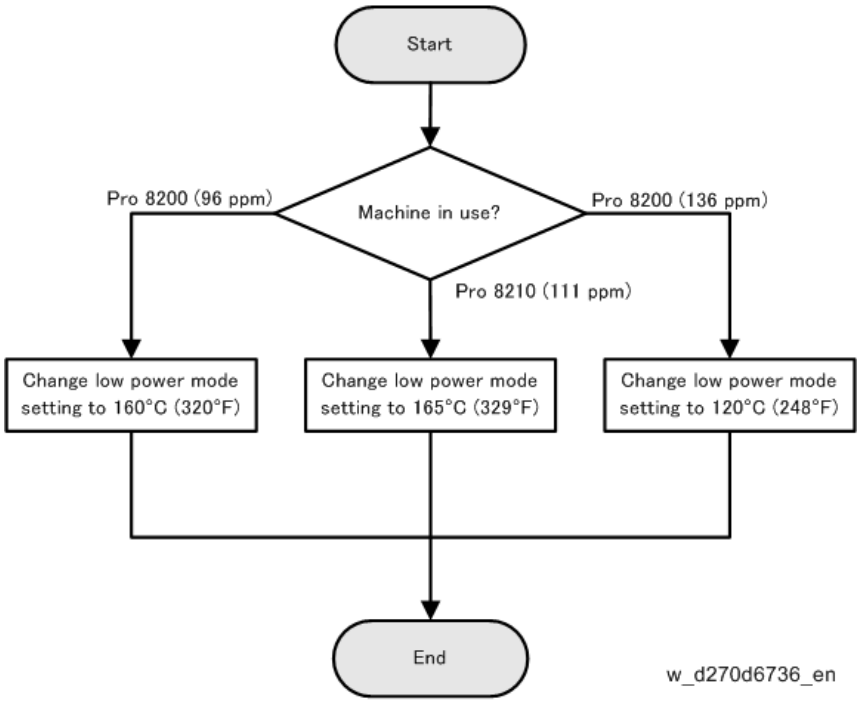
Doing this procedure can reduce the wait time for Case 1 above. The setting can be adjusted with **0212** in the Trained Operator Mode.



*1	Paper curl, jams, wrinkling may occur.
*2	Blurred images, lines, blistering may occur with glossy paper.

Reducing Low Power Mode Recovery Time

The new heat pipe mechanism inside the heating roller is designed to stabilize the temperature of the heating roller, but it can also cause an increase in the length of time for the machine to recover from low power mode. In the Trained Operator Mode, use item 0207 on the menu to adjust the fusing ready temperature in order to shorten recovery time. This adjustment can also be done with SP1-107-005 Target Temperature Setting - Low Power: Center.



Note

Adjustment of this setting can slightly increase the power consumption of the main machine.

Other Problems

ITB Centering: SC471-03, -04, -05, -06 (ITB Position Errors)

Cause:

The machine issues the following SC codes when the machine ITB steering control mechanism cannot correct the position of the ITB to compensate for the belt shifting out of position during operation:

- SC471-03 ITB position error 1
- SC471-04: ITB position error 2
- SC471-05: ITB position error 3
- SC471-06: Belt centering sensor error

Solution:

The value of SP 2-920-002 (Steering Control Roller Stable Position of Steering Roller) displays the target setting (-20 ≤ SP Value ≤ +20) for the optimum position of the ITB that is used to reset the ITB to its optimum position with steering control after the lubricant application mode has been executed so that the ITB is positioned correctly for stable operation.

Important

- The current setting of SP2-920-002 and the setting of the steering plate during operation and before and after adjustment for any operation where lubricant was applied are recorded.
- If the optimum position of the belt cannot be recovered, then that value of the setting should be passed to the product specialist in order to solve future problems.

Note

- SP2-920-002 (Steering Control Roller Stable Position of Steering Roller) displays the number of steps used in operation of the steering control motor that diagonally adjusts the position of the steering control roller to keep the belt at the initial position. The target setting for this SP code is "0". If the displayed setting is within range [-20 ≤ SP ≤ +20], the position can be controlled within ±2 mm.
- This troubleshooting procedure is not required if the ITB has been replaced after the service life of the ITB has expired and no ITB-related SC code has been issued.

Preparation for Lubricant Application Mode

This procedure is the same as that done for setting the machine in the lubrication application mode after the ITB has been replaced.

1. Remove the drum cleaning unit.
2. Remove the PTR unit.
3. On the front of the ITB unit, turn both blade levers clockwise.
4. Remove the ITB unit.

Make Sure the Machine is Level

If the machine is not level within ±5 mm, this could cause the belt to cant to the front or rear and negate these adjustment procedures..

1. Re-install the ITB. (Field Service Manual > ITB Unit > Belt Replacement > Belt Re-installation)
2. Open SP2-310-002 (Force Apply Lubricant Operation Time Setting), and then change the setting from 300 to 100 sec.
3. Open SP2-920-013 (Steering Control Roller Timeout of Belt Ready), and then change the setting from 400 to 105 sec.

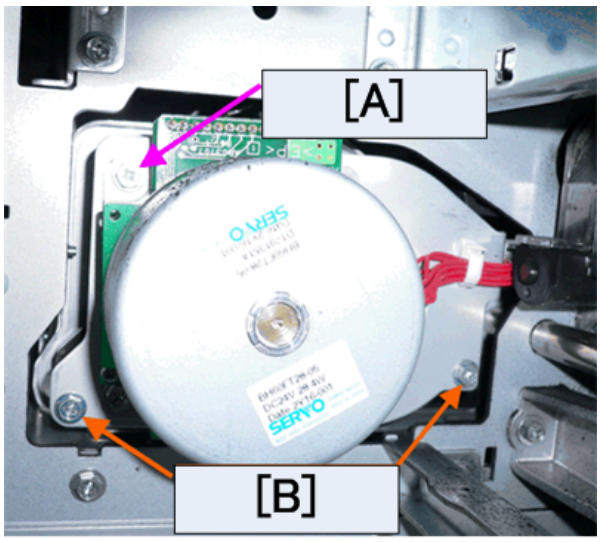
Note

- The timing settings for these SP codes must be shortened from their normal operation settings in order to allow diligent operation checks.
- Reducing **SP2-310-002** to 100 sec. allows the machine to apply lubricant at 100 sec. intervals, confirm that the position of the belt is stable, and then adjust the belt to the positions of the left and right scale plates.
- Depending on the conditions of the machine, after application of the lubricant ends the belt may not be adjusted to its correct position within the target range within 100 sec. This can occur if the belt has been re-installed out of position. In this case after the SP executes lubricant application for 10 sec. and stops, the machine is not able to do the correction quickly enough, so beforehand the belt ready **SP2-920-013** timeout setting is set to 105 sec. If the machine cannot correct the belt position within 105 sec. the machine issues SC471-01 (Belt Position Ready Timeout), and SP2-310-002 (applying the lubricant) stops, and then starts the process again after the belt has been steered to the correct position.

4. Set the following steering control SP codes to “0”.
   - SP 2-920-002 (Steering Control Roller Stable Position of Steering Roller)
   - SP 2-920-004 (Steering Control Roller Last Time Ai Value)
5. SP 2-310-001 (Force Apply Lubricant Belt Cleaning) – 1st Execution
   - SP2-310-001 executes (100 sec.) After the SP executes, check the value of SP2-920-002 (Steering Control Roller Stable Position of Steering Roller).
   - If the value is -20 ≤ SP Value ≤ +20, do the next 2nd SP execution. At this time the SP value in Step 4 is not set to “0”.
   - If the SP value is <-20 or >+20, then the “Steering Plate Adjustment” described below is required. After this adjustment, set the value for the Step 4 SP to “0”, and then do the 2nd SP execution.
6. Do SP2-310-001 – 2nd Execution
   - Do SP2-310-001 (100 sec.). After this SP executes, check the value of SP2-920-002 (Steering Control Roller Stable Position of Steering Roller)
   - If the value is -20 ≤ SP Value ≤ +20, do the next 3rd SP execution. At this time the SP value in Step 4 is not set to “0”.
   - If the SP value is <-20 or >+20, then the “Steering Plate Adjustment” described below is required. After this adjustment, set the value for the Step 4 SP to “0”, and then do the 3rd SP execution.
7. Do SP2-310-001 – 3rd Execution

- Do SP2-310-001 (100 sec.). After this SP executes, check the value of SP2-920-002 (Steering Control Roller Stable Position of Steering Roller)
- If the value is -20 ≤ SP Value ≤ +20, do the next 4th SP execution. At this time the SP value in Step 4 is not set to “0”.
- If the SP value is <-20 or >+20, then the “Steering Plate Adjustment” described below is required. After this adjustment, set the value for the Step 4 SP to “0”, and then do the 4th SP execution.

8. Do SP2-310-001 – 4th Execution
   - Do SP2-310-001 (100 sec.). After this SP executes, record the value of SP2-920-002 (Steering Control Roller Stable Position of Steering Roller)
9. After doing the 4th execution of SP2-310-001, do one of the following, using the value of the setting for SP2-920-002 (Steering Control Roller Stable Position of Steering Roller).
   - If SP value <-20 or +20<SP value: Check the ITB unit, and then reset the ITB belt unit, and then repeat lubricant application in Step 4.
   - If -20 ≤ SP Value ≤ +20: Reset the following SP codes to their default settings:
     For SP2-310-002 change the "100" setting to "300" to restore the default.
     For SP2-920-013 change the "105" setting to "400" to restore the default.
   - Next, do Steps 10 and 11. If you did not do the adjustment for the right control plate, skip Steps 10 and 11, and then go to Step 12.
10. Open the controller box. (Field Service Manual > Replacement and Adjustment > Common Procedures > Controller Box, Controller Box Cover > Opening the Controller Box)
11. Loosen the three screws of the ITB/PTR motor bracket, and then tighten them.



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Note

- This step is required the correct the positions of these screws [A] and [B] because adjustment of the right steering plate can cause these screws to slip out of position between the ITB unit and the ITB/PTR motor.

Important

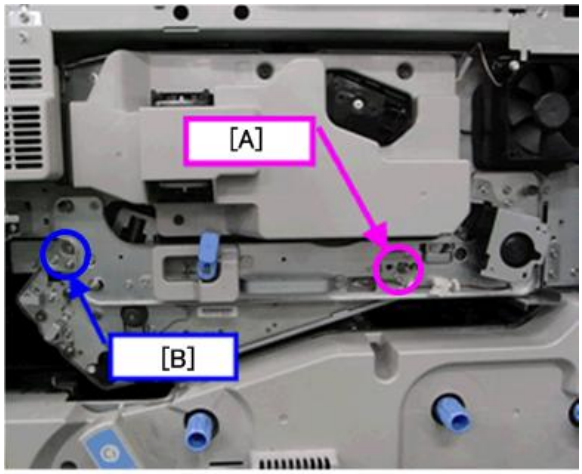
- Recommended torque for screw [A]: 0.9±0.1Nm
- Recommended torque for screws[B: 0.7±0.1Nm
- Screws [B] are made of resin-based material, so do not apply to much force when loosening and tightening them.

12.Do these procedures, and check the re-installation. This completes the procedure.

- Close the controller box.
- Re-install the drum cleaning unit.
- Raise the ITB lever so that the ITB is in contact with the drum.
- Re-install the PTR unit.
- Raise the levers on the front of the ITB cleaning unit so that the blades are up in the operating position.

Steering Plate Adjustments

Do this procedures if the results of the 1st, 2nd, and 3rd executions of SP2-920-002 were SP Value<-20 or +20<SP Value. There are two plates, a left steering plate and a right steering plate. The right steering plate should be adjusted first, and then the left steering plate.



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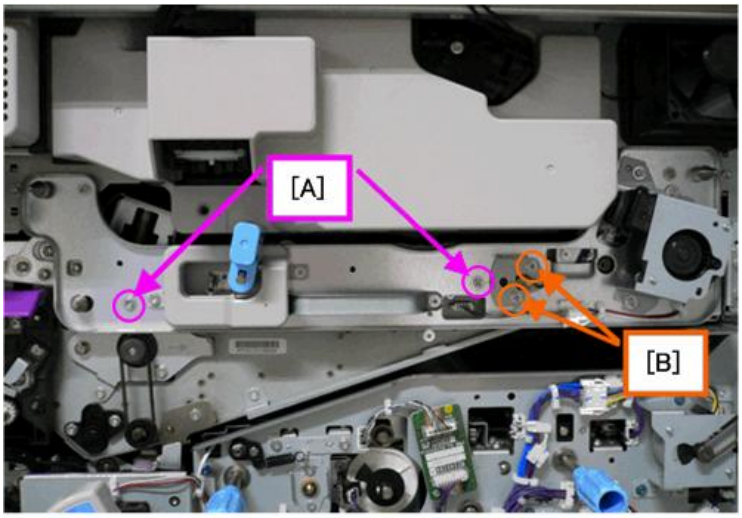
Note

- The range of adjustment for the right steering plate [A] is ±1 on its notched scale.
- The range of adjustment for the left steering plate [B] is ±6 on its notched scale.
- Adjustment of the SP code may have no effect if the right plate has been previously adjusted. For example, if the right steering plate has already been adjusted to +1 on its scale, this corresponds to a +30 setting of the SP code and further adjustment will have no effect.
- However, if the right steering plate has been adjusted to "-1" or "+1" before leaving the factory, the right steering plate should not be adjusted. Leave the right steering plate at its factory setting, and adjust the left steering plate.

Right Steering Plate Adjustment

1. Execute application of lubricant with SP2-310-001, and then do SP2-920-002 (Steering Control Roller Stable Position of Steering Roller), and check its setting. Based on this setting, adjust the position of the right steering plate by referring to the table below.

SP2-920-002	From the Current Right Steering Plate Scale Setting	Comments
+21 to +150	+1	Move to upper part of scale
-20 to +20	No adjustment required	Within correct range
-20 to -150	-1	Move to lower part of scale



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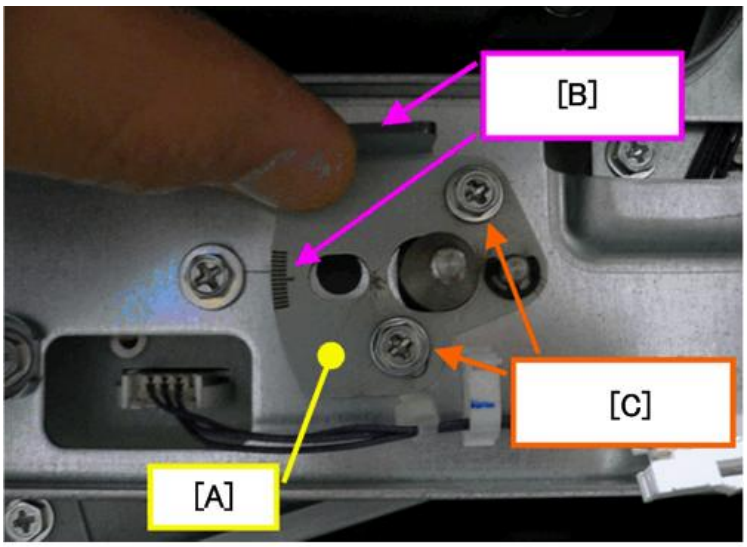
2. Loosen (do not remove) the four screws at [A] and [B].



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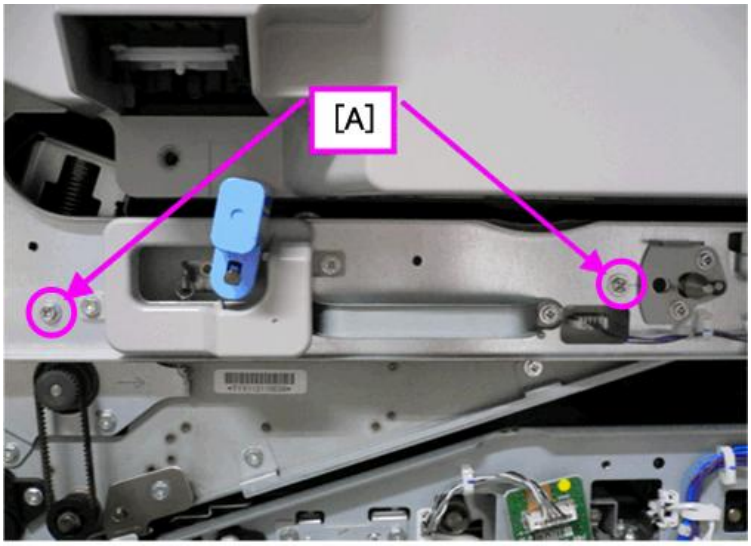
3. Move the adjustment plate [A] to the scale [B], and then tighten both screws [C].

Example 1

If the right steering plate was set to "-1" and the SP setting was "+30", move the plate up one notch (+1) to "0" on the scale.

Example 2

If the right steering plate was set to "+1" and the SP setting was "+30", the position of the plate cannot be adjusted. You will have to adjust the left steering plate up one notch (+1). If the left steering plate is at the "0" notch, move the plate up one notch (+1), or of the plate is at +1, move the plate up two notches (+2).



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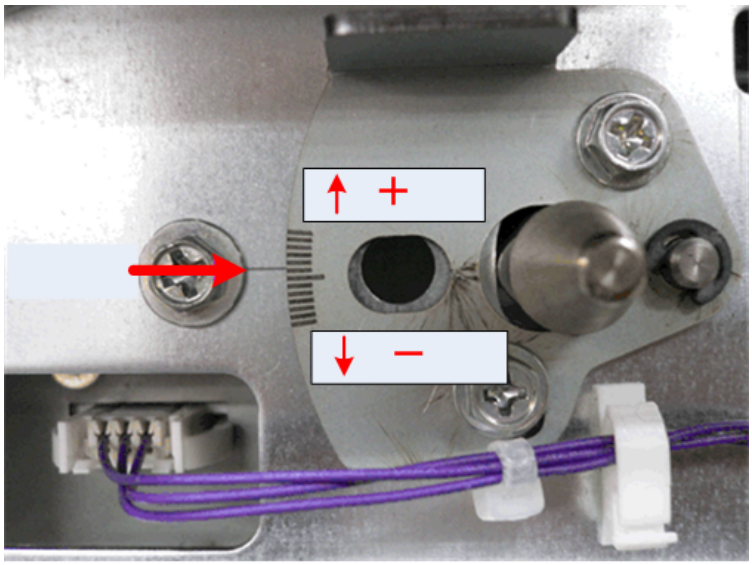
4. Tighten both screws [A]. Make sure that the plate is at the correction position on the scale. This completes manual adjustment of the plate.
5. Return to Step 5 in the previous section and restore these SP codes to their default settings.
   - SP 2-920-002 (Steering Control Roller Stable Position of Steering Roller)
   - SP 2-920-004 (Steering Control Roller Last Time Ai Value)

Right Steering Plate Scale Adjustment Example



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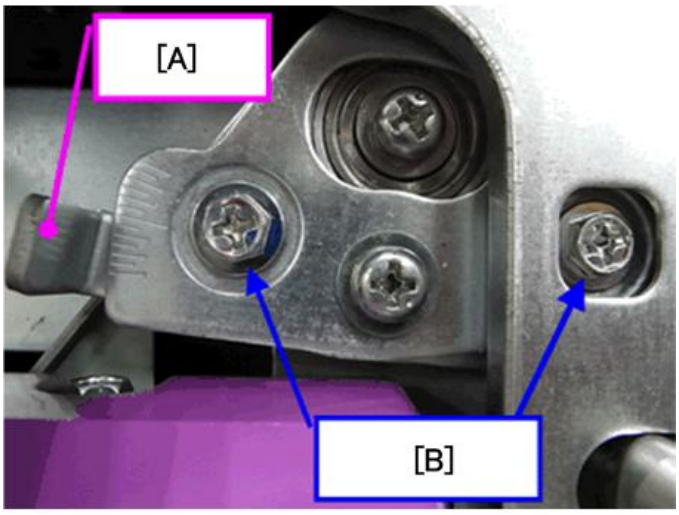
The setting for SP2-920-002 (Steering Control Roller Stable Position of Steering Roller) was "+30", so the right steering plate was adjusted to "+1".

Left Steering Plate Adjustment

1. After executing SP2-310-001 (Force Apply Lubricant Belt Cleaning), do SP2-920-002 (Steering Control

Roller Stable Position of Steering Roller) and check its setting. Based on this setting, adjust the position of the left steering plate by referring to the table below.

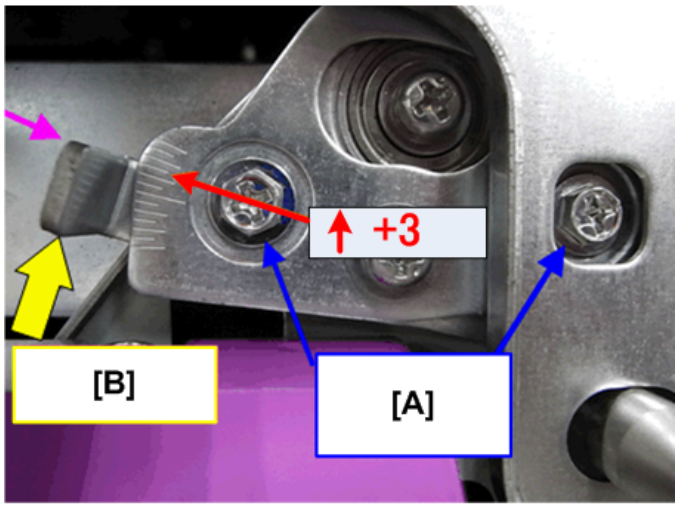
SP2-920-002	From the Current Left Steering Plate Scale Setting	Comments
+150 to +121	+5	Move to upper part of scale. If you cannot adjust to +5, move to +6.
+120 to +96	+4	
+95 to +71	+3	
+70 to +46	+2	
+45 to +21	+1	
-20 to 0 to +20		
-21 to -45	-1	Move to lower part of scale. If you cannot adjust to -5, move to -6.
-46 to -70	-2	
-71 to -95	-3	
-96 to -120	-4	
-121 to -150	-5	



d1808029

2. Loosen (do not remove) both screws [B].
3. Move lever [A] to the desired notch, and then tighten both screws [B].
4. Return to Step 5 (under the main **Solution** procedure above), and then execute the forced lubricant belt cleaning (SP2-310-001) and the steering control position setting (SP2-920-002).

Left Steering Plate Scale Adjustment Example



d1808030

The setting for SP2-920-002 (Steering Control Roller Stable Position of Steering Roller) was "+80", so the right steering plate was adjusted to "+3".

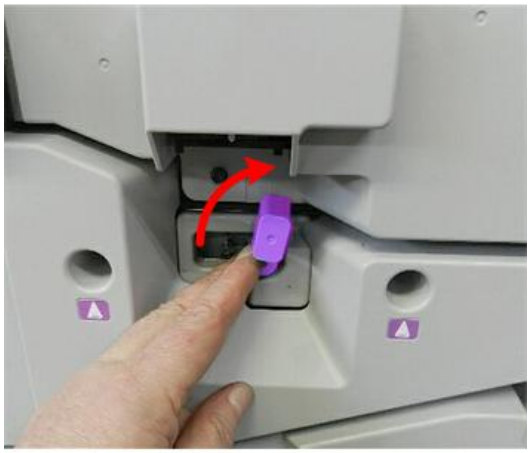
Countermeasures for Other SC Codes

These are countermeasures for solving other mechanical problems with the recurrence of SC741 series codes that may occur during these troubleshooting procedures.

SC471-01	Belt Position Ready Timeout
	The machine issues this error during normal operation when ITB steering control fails to move the belt within the 400 sec. prescribed by SP2-920-013 (SP 2-920-013: Steering Control Roller Timeout of Belt Ready). If the machine issues this SC during the troubleshooting procedures described above, this means the steering control failed to position the belt within 105 sec. after the SP code was changed from "400" to "105".
	The ITB was not re-installed correctly.
	Remove the ITB, re-install it correctly, and then do the lubricant application SP 2-310-00 (Force Apply Lubricant Belt Cleaning)

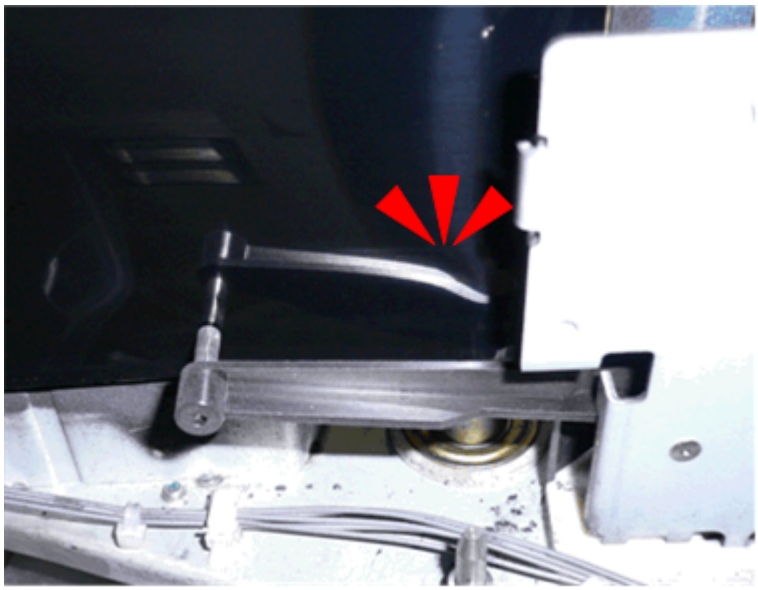
SC471-02	Belt Centering Roller HP Error
	There is a problem in the steering control mechanism.
	• The wire that controls steering is kinked, has slipped off the pulley, or is not set correctly. • The belt centering HP sensor harness is loose, broken, defective, or the sensor is defective. • The belt centering motor harness is loose, broken, defective, or the motor is defective.
	• Cycle the machine off/on. • If the problem persists, remove the ITB unit, remove the belt, and then check the steering control mechanism wire, pulley, sensor and motor harness connections.

SC471-03	ITB Position Error 1
	The belt centering sensor detected that the belt has slipped out of position ±2mm. **Note**: This SC is logged, not displayed.
	The belt has slipped out of position after shipping from the factory, or the main machine has not been leveled correctly.
	No procedure is required. The purpose of this SC code is used for analysis of SC471-04 and SC471-05 described below. It indicates whether the belt is frequently slipping out of position during daily use or if there has been a sudden development of the belt slipping out of position easily.

SC471-04	ITB Position Error 2
	The front edge of the belt is slipping out of position.
SC471-05	ITB Position Error 3
	The rear edge of the belt is slipping out of position.
	• SC471-04 can occur if the belt positioning lever is not completely up and locked in place.  d1793214 • These errors may indicate that the belt has slipped out of position after shipping from the factory, or the main machine has not been leveled correctly. • The belt centering sensor harness may be loose, broken, defective, or the sensor may be defective.
	• Remove the ITB unit, remove the belt, and then check the belt centering sensor. • Carefully, re-install the ITB • Be sure to do SP2-310-001 (Force Apply Lubricant Belt Cleaning) after re-installing the ITB.

SC471-06	Belt Centering Sensor Error

	There is a problem with the belt centering sensor readings.
	• The belt centering sensor harness is loose, broken, defective, the sensor could be defective, or something (a scrap of paper) could be interfering with operation of the sensor. • The ITB is slipping too far to the front or too far to the rear. • The lever of the belt centering sensor is riding up out of position.
	• Replace belt centering sensor • Check the belt centering unit sensor and make sure that it is installed correctly. Make sure that the leading edge of the lever is not riding up onto the surface of the ITB as shown in the illustration below. • After re-installing the ITB, be sure to do SP2-310-001 (Force Apply Lubricant Belt Cleaning) after re-installing the ITB.



d1808112

SC325, SC395 Grounding Faults

This section describes how to deal with two service codes:

- SC325: Development motor error
- SC395: Drum motor error

Cause

One or more deformed or dirty ground plates in the drum cleaning unit are causing grounding faults and generating electrical noise that is interfering with the motor control signals that control operation of the drive motor.

Note

- SC325 occurs most frequently when electrical noise interferes with the drive motor control signals.

Solution

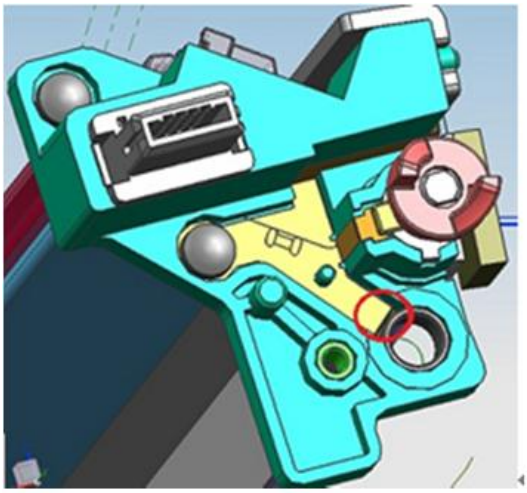
1. Inspect the four ground plates on the drum cleaning unit.
2. Clean the plates if they are covered with toner or grease, and then replace any plate if it is deformed.

Ground Plates that Require Checks

No.	Description
1	Ground Plate
2	Ground Plate Covers
3	PCU Slide Rail Stopper
4	Ground Plate Stays

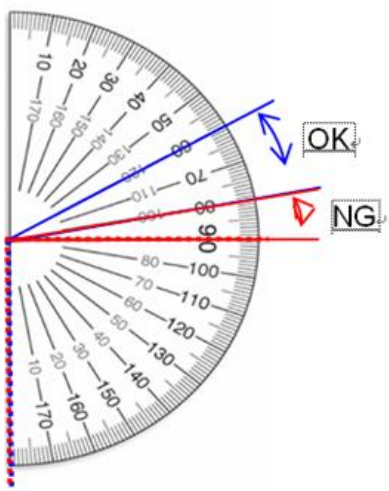
*1: These are new service parts.

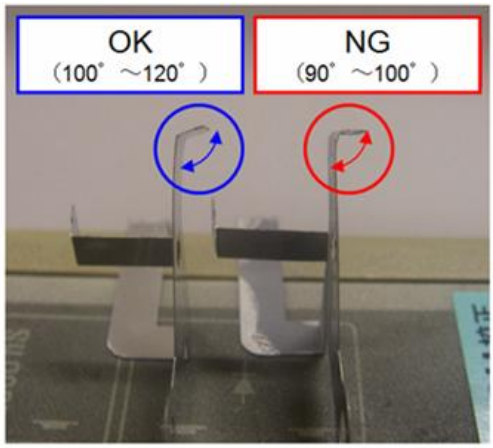
No. 1 Ground Plate



d179b4006

1. Remove the grounding plates from the unit and check the angles.



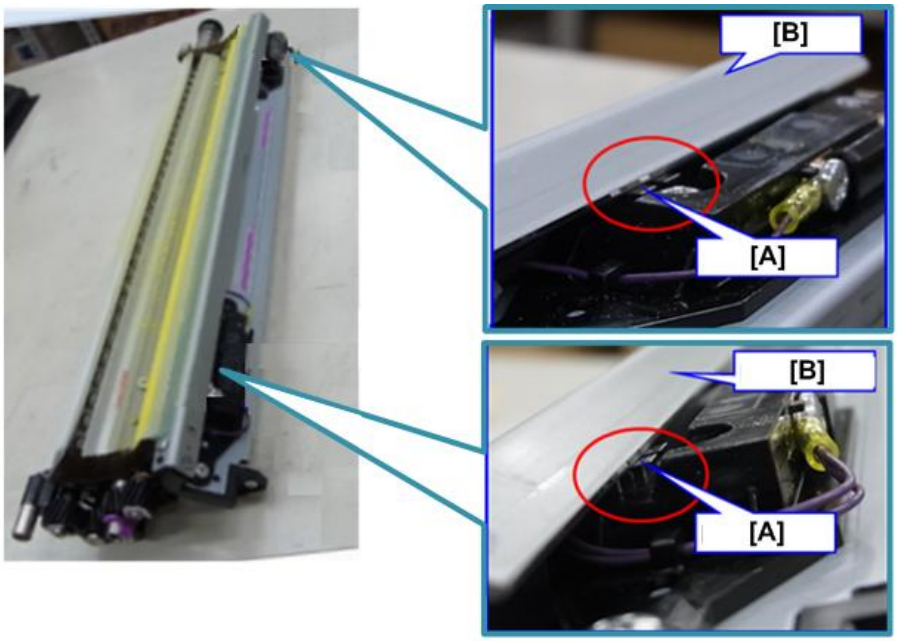


d179b4007

No. 2 Ground Plate Covers

1. Confirm correct connection of the grounding plates [A] with the frame [B] of the cleaning blade assembly at

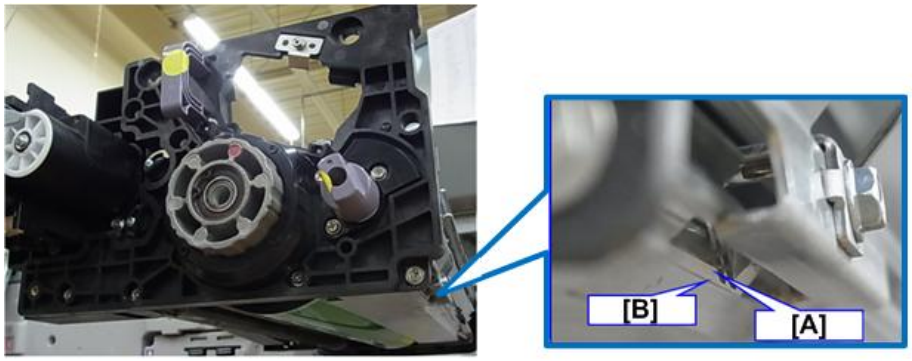
two points, front and rear.



d179b4008

No. 3 PCU Slide Rail Stopper

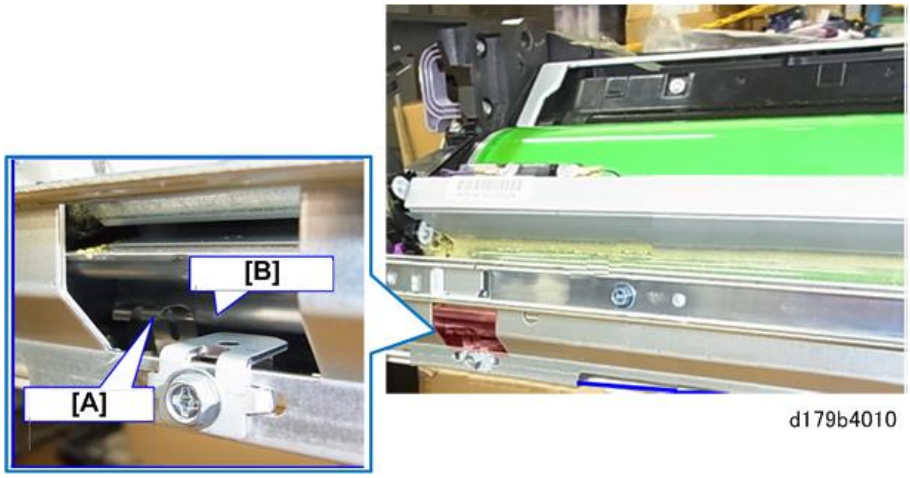
1. Confirm correct connection of the ground plate [A] with the stay [B].



d179b4009

No. 4 Ground Plate Stays

1. Confirm correct connection of the ground plate [A] with the frame [B].



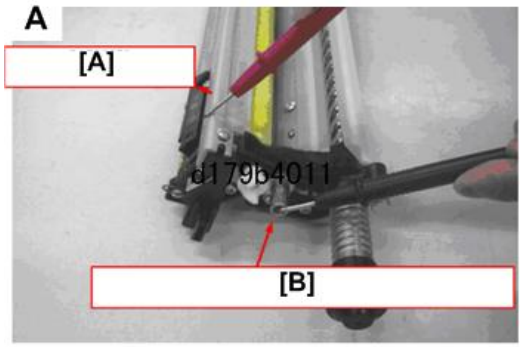
d179b4010

How to Check Ground Resistance with a Multi-meter

1. Measure the ground resistance between two points with a multi-meter.
2. Confirm that the reading is less than 100 ohms.

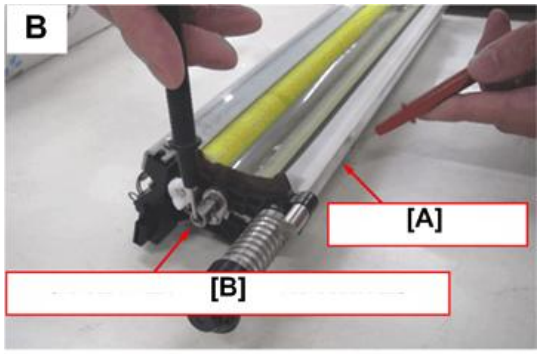
   The illustrations below labeled A to F show you how to position the test leads for the readings.

A to E	Measure with the drum cleaning unit removed from the PCDU.
F	Measure with the drum cleaning unit mounted on the slide rails.



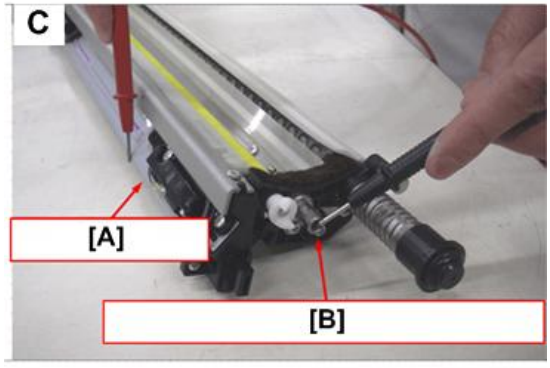
d179b4011

No.	Name
[A]	Blade Assembly
[B]	Rear Cleaning Blade Shaft Holder



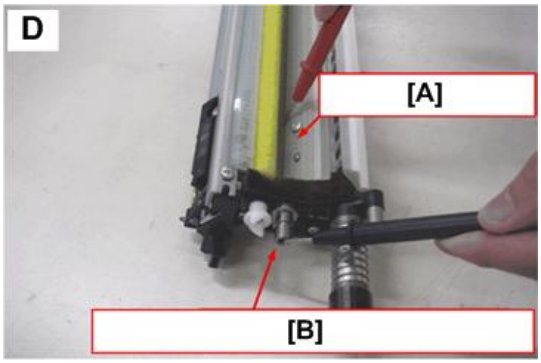
d179b4012

No.	Name
[A]	Cleaning Frame
[B]	Rear Cleaning Blade Shaft Holder



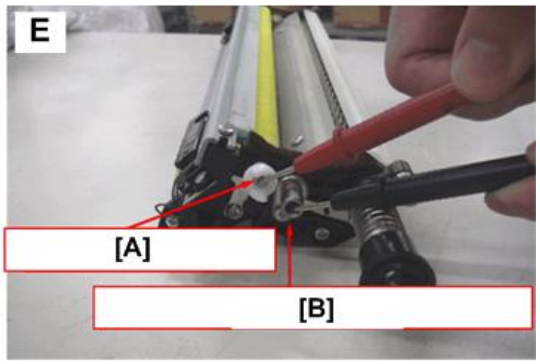
d179b4013

No.	Name
[A]	Lubrication Bar Cover
[B]	Rear Cleaning Blade Shaft Holder



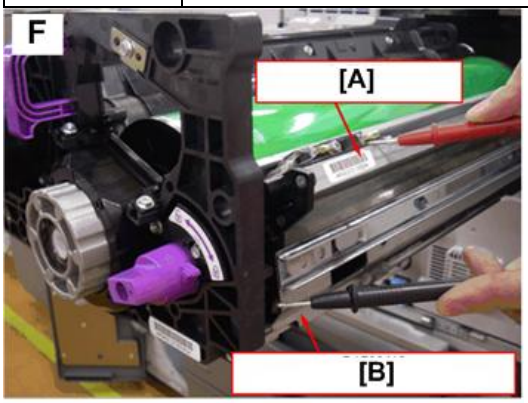
d179b4014

No	Name
[A]	Cleaning Blade Assembly
[B]	Rear Cleaning Blade Shaft Holder



d179b4015

No.	Name
[A]	Lubrication Brush Roller
[B]	Rear Cleaning Blade Shaft Holder



d179b4016

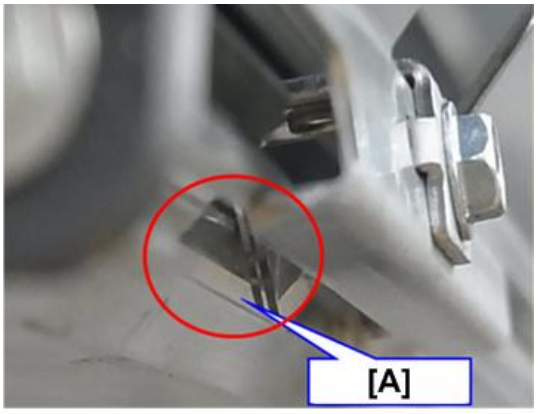
No.	Name
[A]	Lubrication Bar Cover

No.	Name
[B]	PCU Right Slide Rail Holder

PCDU Preventive Maintenance: Important Notes

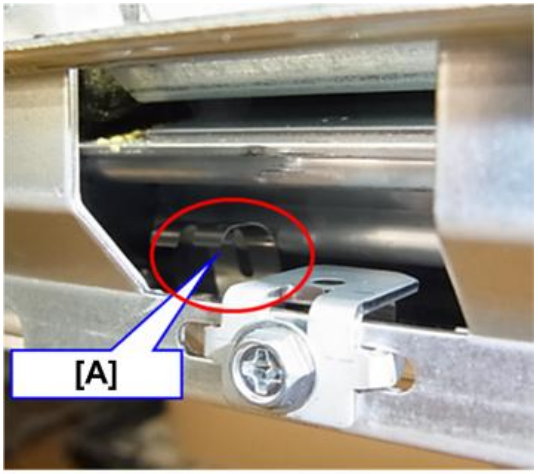
Work carefully to avoid bending the ground plates when performing the following three tasks:

1. Removing the PCDU from the mainframe at the PCU slide rail stopper [A].



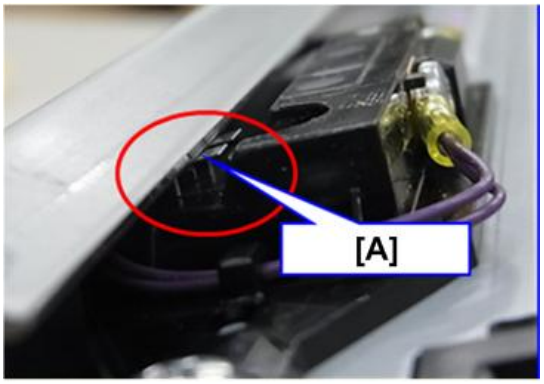
d179b4017

2. Removing the drum cleaning unit from the PCDU at the ground stay [A]



d179b4018

3. Replace the PM parts of the drum cleaning unit at the ground plate cover [A]



d179b4019

SC401 Development Gamma Low Error

This section describes how to manage SC401, toner scatter, and dirty background. Conditions that increase the risk of these problems include:

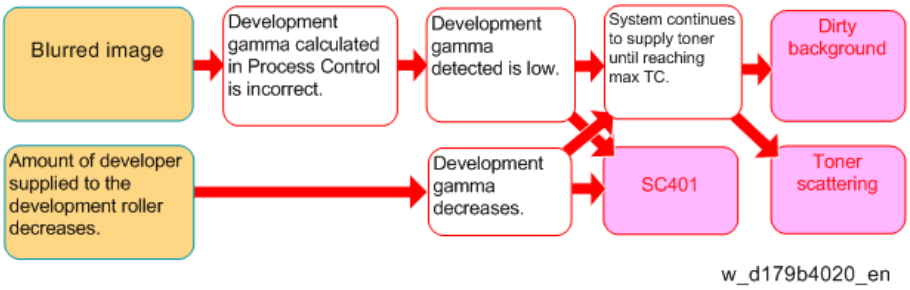
- Allowing the machine to remain idle for long periods where the humidity is high.
- Where average coverage is consistently 4% or lower.
- 20 P/J or lower average P/J

Causes

1. Process control fails. The development gamma detected in process control was lower than 3.0 because the ID sensor pattern created on the drum was blurred. (Blurred Images (Convex Lens Shaped))
2. Due to the degradation of toner over time, and the adhesion of toner on the doctor blade, the amount of developer supplied to the development roller decreased and development gamma becomes fell lower than 3.0.

Note

- In addition to SC401, toner scatter and dirty background could also occur because the system supplies too much toner to compensate for reduced development gamma.



Solution

Do these procedures if the machine is issuing SC401, or if you observe toner scatter or dirty backgrounds in prints.

1. Open SP2109-003, select Patter #12 (2-dot Independent Pattern), and then print three copies of the pattern on A3/DLT.
2. Does the pattern appear blurred?

Yes	Do the following SP settings: • SP2810-001: 1 (default). This setting will automatically execute "Clear Blurred Image" at all times. • SP2810-005: 360 (default). Set to "120". This setting will automatically execute "Clear Blurred Image" if the machine remains idle for 2hrs. • SP2810-006: 13 (default). Set to "7". This setting will automatically execute "Clear blurred image" even when the machine is operated in a medium temperature, medium RH environment. Do SP2810-004 (Clear blurred image). Go to Step 3.
No	Go to Step 4

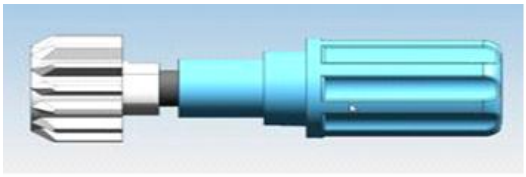
3. Has the blurred image problem been resolved?

Yes	Go to Step 4
No	Repeat SP2810-004 (Clear Blurred Image) If the blurred images cannot be corrected after executing this SP code three times, replace the drum, and then go to Step 4.

4. Clean the doctor blade, development roller, potential sensor and ID sensor. Refer to the Field Service Manual for the cleaning procedures.

   When cleaning the doctor blade:

   - Doctor blade cleaning is different for this machine. Refer to the doctor blade cleaning instructions in the Field Service Manual.
   - Be sure to use the special tool (shown below) to rotate the development roller during servicing.



d179b4021

   - Before cleaning the doctor gap, confirm that there is no old developer on the development roller as shown below.

d179b4022

   - After cleaning the doctor gap with the cleaning tool use a vacuum cleaner to completely remove any toner particles.

5. Calculate the average coverage and average P/J.

   - Average coverage = SP8921-001 / SP8581-001
   - Average P/J = SP8581-001 / Sum of SP8071-001to014

   Either or both of the following conditions met?

   Average coverage ≤ 4 (%)

   Average P/J ≤ 20

Yes	• Change the setting of SP3-820-001 (Tnr Refresh Mode: Img Area Thresh: K) setting from "2" (default) to "3".
No	Do SP3-011-002 (Density Adjustment) for process control.

6. Make 20 copies of the same test pattern. Has the problem been resolved?

Yes	Finished.
No	Replace the developer. If replacing the developer does not resolve the problem, replace the development unit.

Tray 1 Does Not Close Completely.

Cause

The tray lock lever needs adjustment because it does not reach the registration adjustment plate.

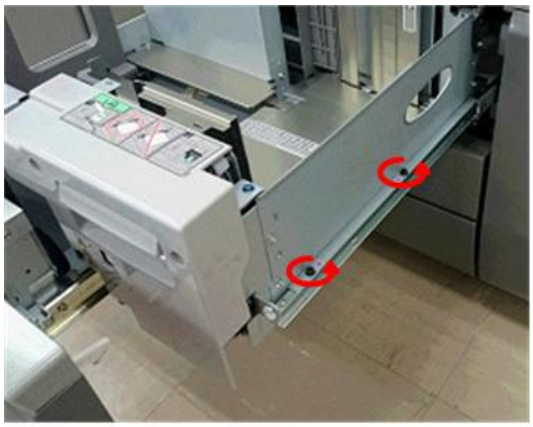
Solution

Follow this procedure to shift the registration adjustment plate to the front so the tray lock lever can reach the registration adjustment plate.

1. Pull out Tray 1 completely so that the right and left tandem trays separate.

d179b4023

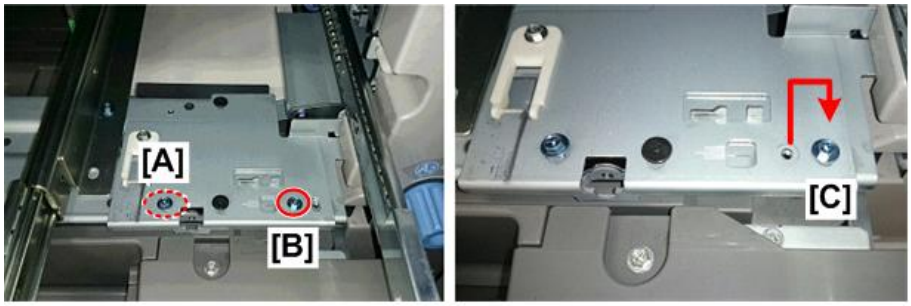
2. Remove the right tandem tray. (x2)



d179b4024

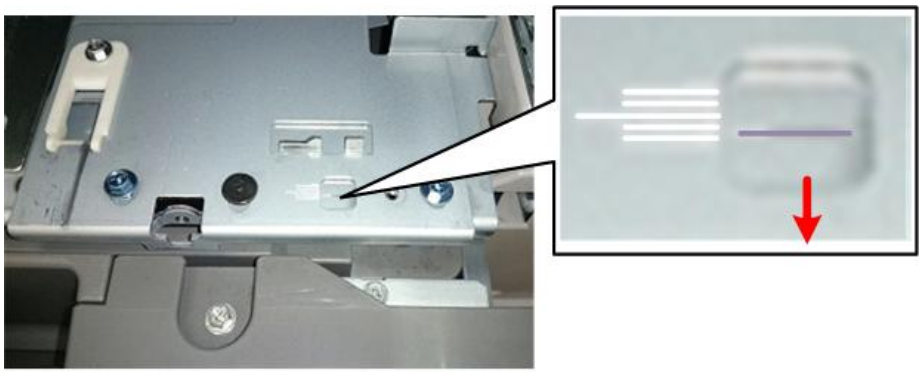
3. On the registration adjustment plate, **loosen** screw [A], **remove** screw [B], and then and fasten it at [C]. Do

not tighten the screw at [C] (x1).



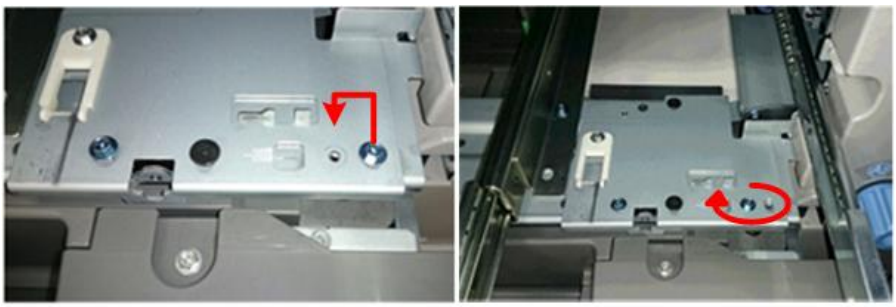
d179b4025

4. While looking at the scale, pull the registration adjustment plate approximately 3 mm to the front.



d179b4026

5. Remove the screw that you moved in Step 3, and then fasten at its original position (x1).



d179b4035

6. Re-attach the right tandem tray (x2).
7. To compensate for the 3 mm shift to the front:
   - Disable the registration adjustment in main scan direction in either Adjustment Settings for Operators 1-105-01 to 08, or do SP1-917-001 to 008 [Side-to-Side Reg Disable] and change "0" to "1".
   - Adjust the registration in SP1-002-001 (Main Scan Regist (Shift: Off): Tray 1).

False Drum Lubricant Near-end Alert

A jammed feeler can cause the machine to issue a false drum lubricant near-end alert.

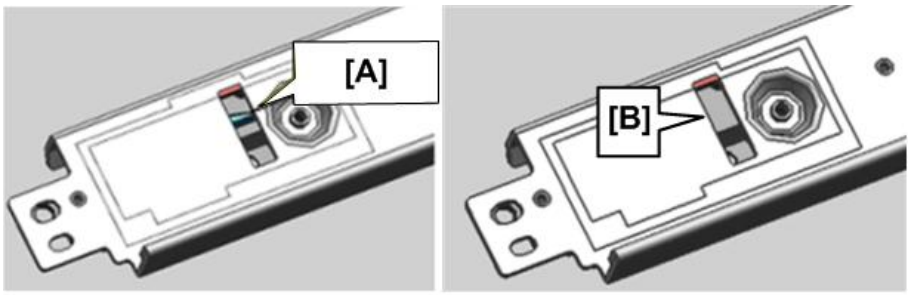
Cause

The feeler that detects lubricant near-end is stuck and caused the system to constantly issue a false drum lubricant near-end alert. This can be caused by removing the drum lubricant components in the incorrect order. Removing

the brush roller before the lubricant bar can cause the lubricant bar to pop up and lock the feeler.

Solution

1. Confirm that the setting of SP3-810-021 is not “0: Normal” (because the system is notifying a near-end status).
2. Remove the lubricant blade with the bracket attached and the two lubricant near-end sensors.
3. Place the bracket bottom-side-up on a table and check if the feeler is visible [A]. The feeler is not visible [B] if it is stuck out of position.



d179b4027

If the feeler is stuck, correct its position.

- The feeler is up at [A]. This is the wrong position because the contact causes the near-end alert.
- The feeler is down at [B]. This is the correct position because there is no contact.

d179b4028

4. Reassemble the unit and confirm that the setting of SP3-810-021 is “0”. If the value is “1” or “2”, repeat step 2.

Clear PM Counters

1. Turn the machine off.
2. Open the front doors.
3. Turn the machine on with the front doors open.
4. Enter the SP mode, open SP4622-008, and then reset the counter for the lubricant bar.
5. Close the front doors. This resets the counter.
6. Open SP3810-021 and confirm that the value is ”0”.
7. Exit the SP mode.

Important

- Always remove the drum lubricant components in the correct order, as described in the Field Service Manual: 1) Lubricant blade, 2) Lubricant bar, 3) Brush roller.

Paper Transport Roller/Rib Maps

How to Use These Maps

After long use the transport rollers and ribs of the guide plates that guide paper in the paper transport path become contaminated with paper dust and loose toner which can cause streaks or roller “footprints” to appear on paper, or on edges of stacked paper. Some simple cleaning procedures can eliminate these problems. This section provides paper transport maps that will help you easily identify the transport rollers and transport guide plate ribs that may require cleaning to eliminate these problems.

- Paper transport maps are provided for the main machine, LCT A3, and the finisher.
- The transport rollers and ribs described in this section are the ones in the paper transport path that can be accessed easily for paper jam removal.

When streaks or roller footprints appear:

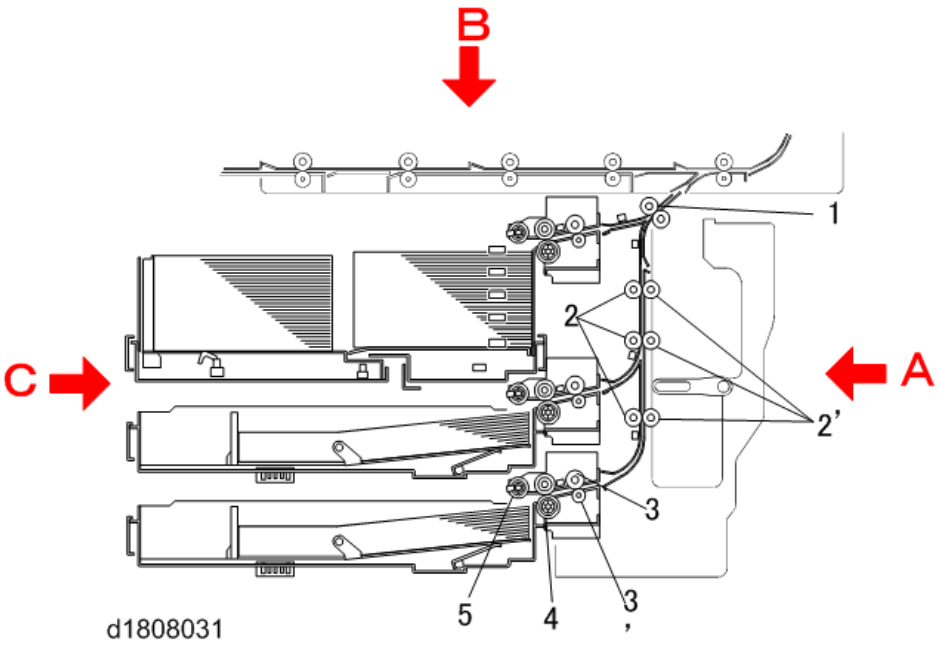
1. Take one sheet that is marked by streaks, and then fold it carefully exactly in half with the crease in the center and parallel to the direction of paper feed.
2. Lay the sheet on a flat surface, and then used a mm scale to measure from the fold line to the marks on the surface or edges of the paper.
3. Compare the measurements with the maps to identify the transport rollers/ribs that are causing the problem, and then clean them. For more details about how to clean the rollers and transport path, see the Field Service Manual > PM Parts List.

Note

- All of the measurements given in the line drawings are given in millimeters.
- The measurements are the “target” measurements of the design drawings. There may be very slight differences between these design measurements and actual measurements due to minute variations in machine manufacture, component manufacture, and component wear. Therefore, the actual measurements taken from the folding paper may not exactly match the location of transport roller or rib.

Paper Transport Units

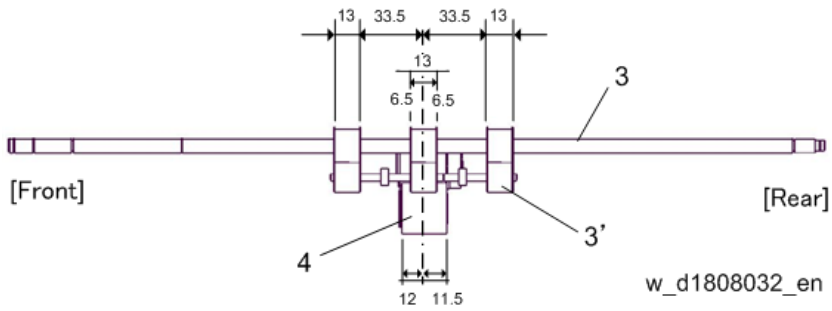
Overall Layout



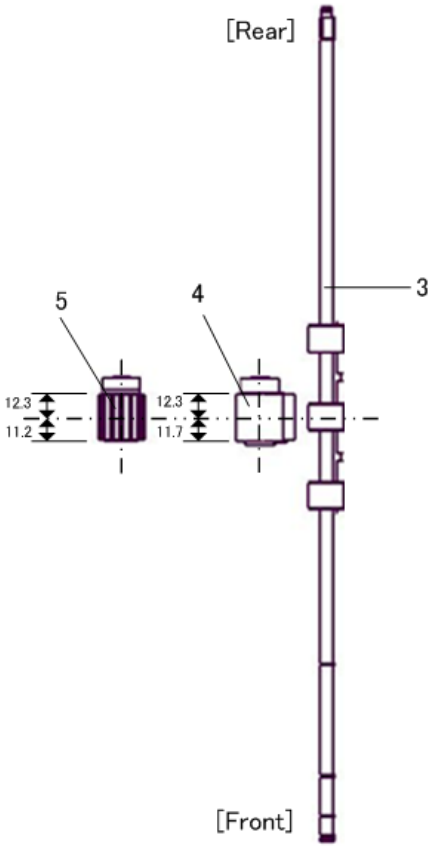
Note the positions of the red arrows and letters in the diagram above. They are used in the map titles to indicate the direction of view so you can orient the map to the machine and identify the transport rollers and ribs:

- **A**: Right View
- **B**: Top View
- **C**: Left View

Paper Feed 1-1: View A (Right Side)



Paper Feed 1-2: View B (Top)



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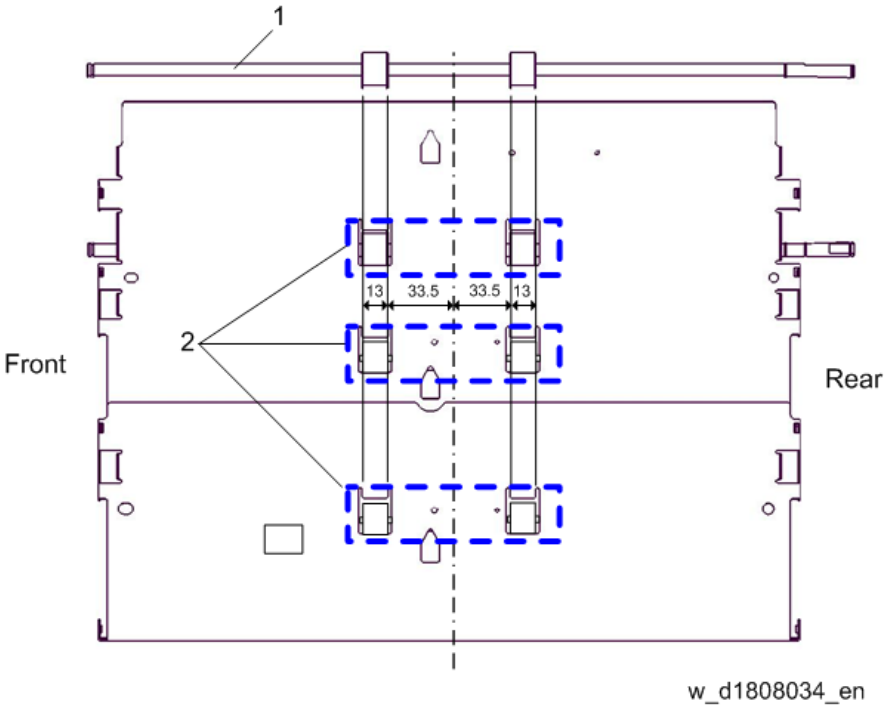
Note

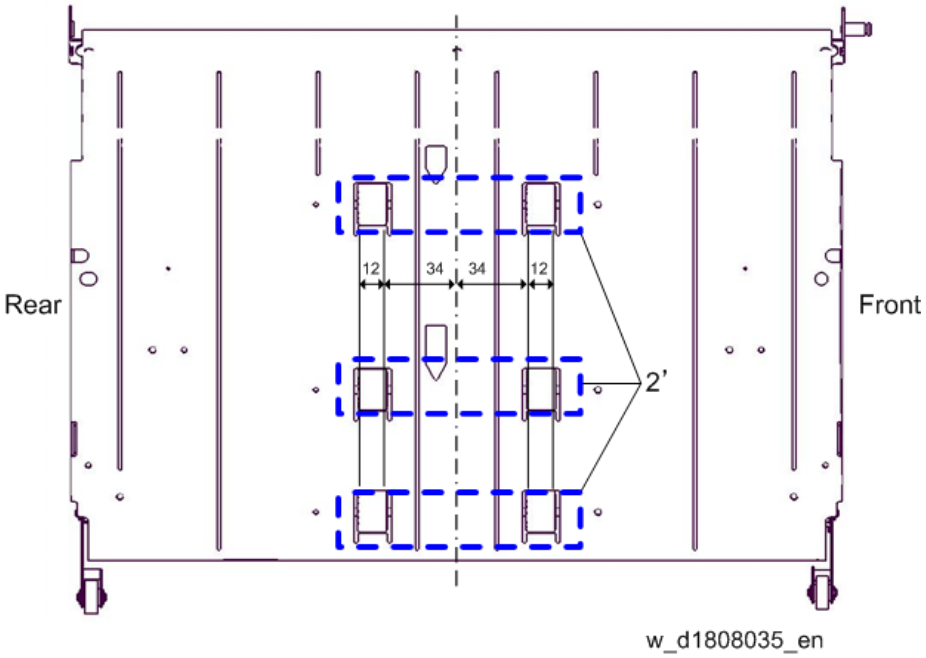
- The layout diagram below applies to Tray 1, Tray 2, and Tray 3 because their mechanisms are the same.

Paper Feed 2: View A (Right Side)



w_d1808034_en

Paper Feed 3: View C (Left Side)

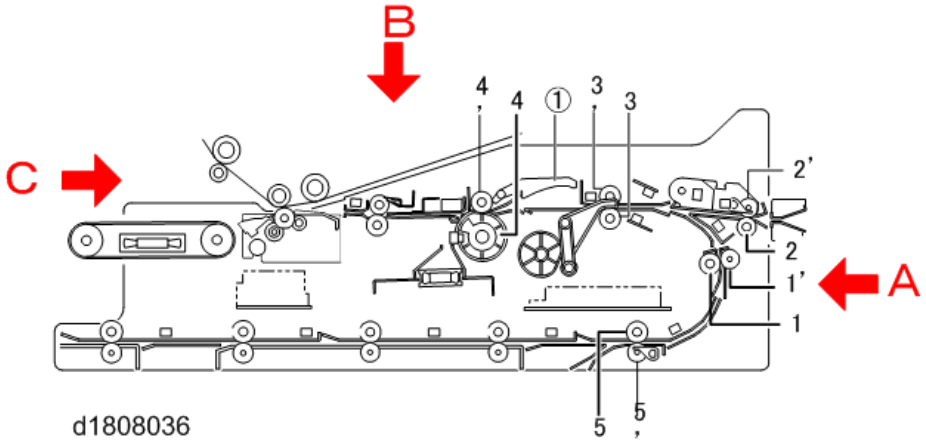


Registration Unit

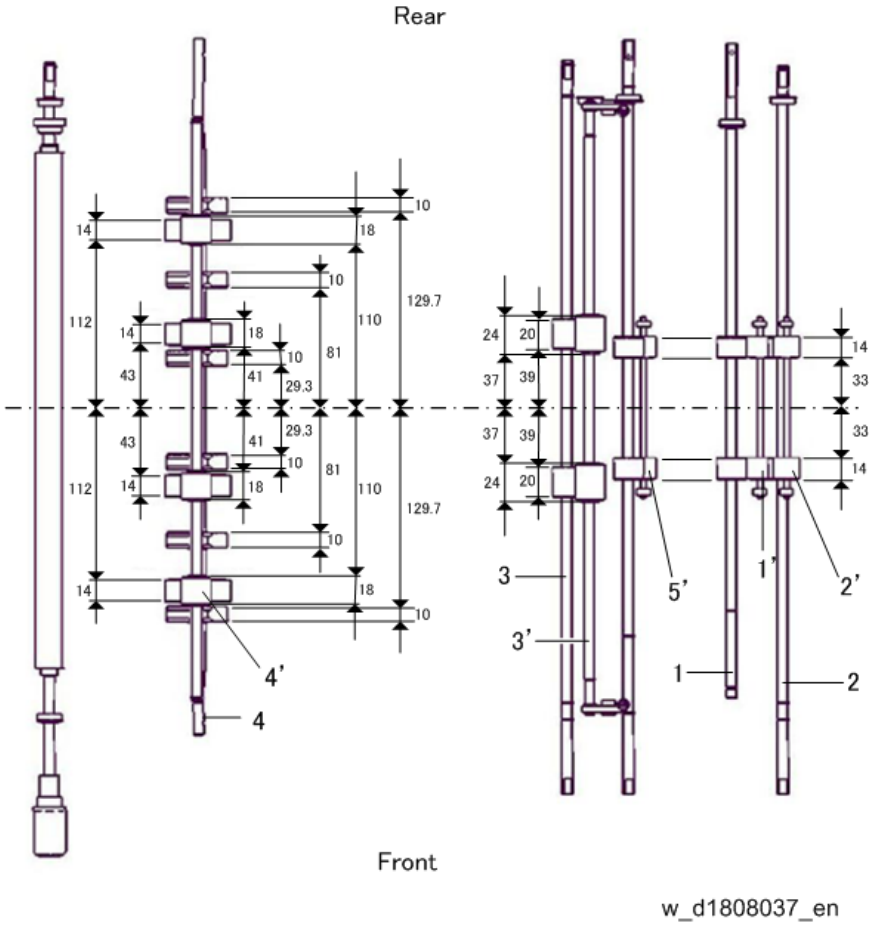
General Layout

Note

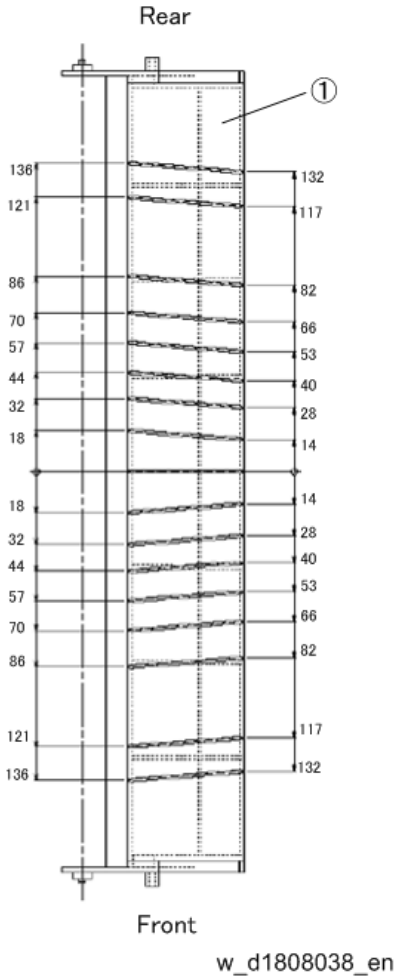
- The red letters and arrows in the diagram below indicate the angle of view so you can orient the map to the machine and identify the transport rollers and ribs



Registration Unit Rollers: View B (Top)

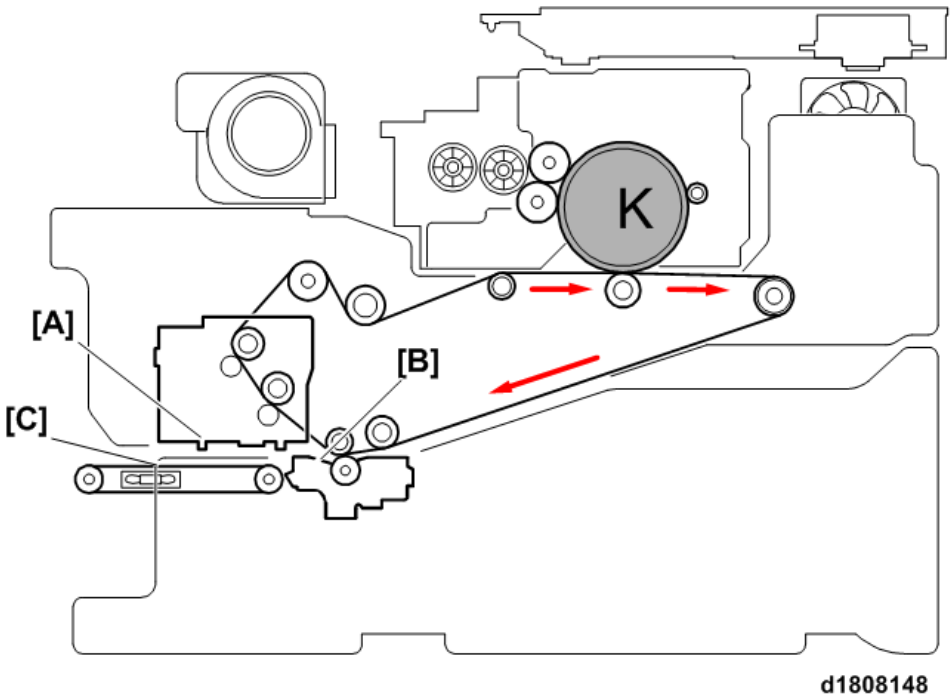


Registration Unit Guide Plate: View B (Top)



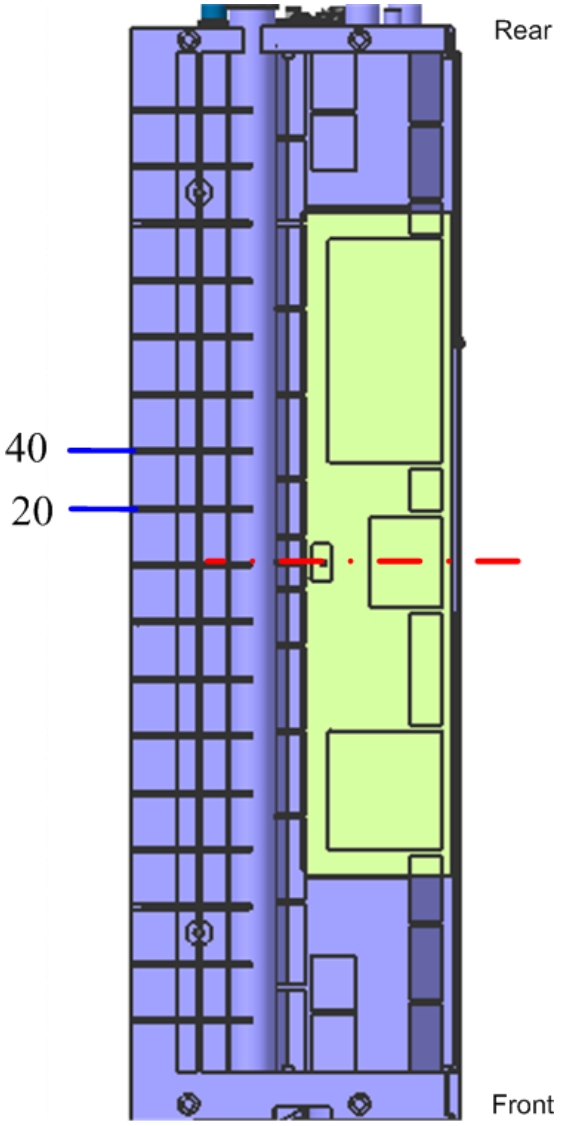
PTR Unit

General Layout

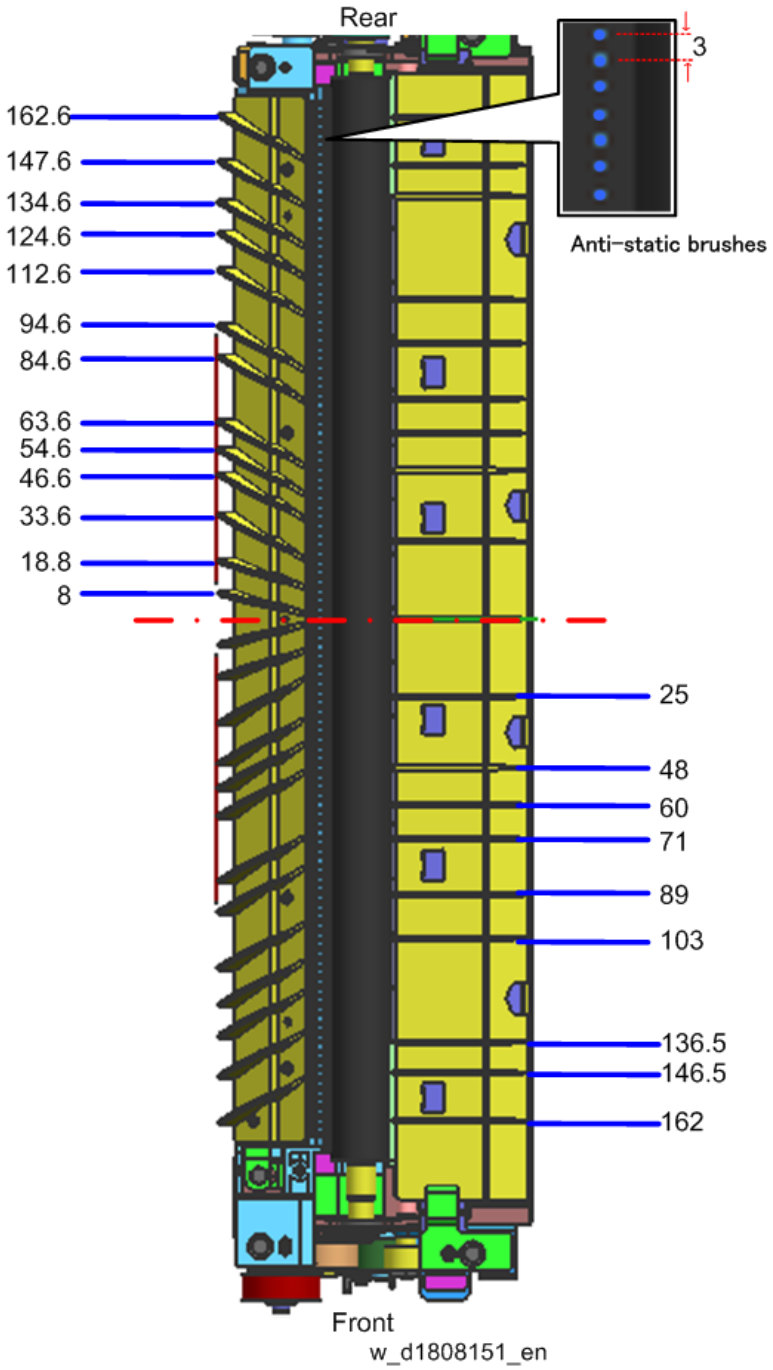


No.	Name
A	Belt Cleaning Unit (Bottom)
B	PTR Unit
C	PTB Unit

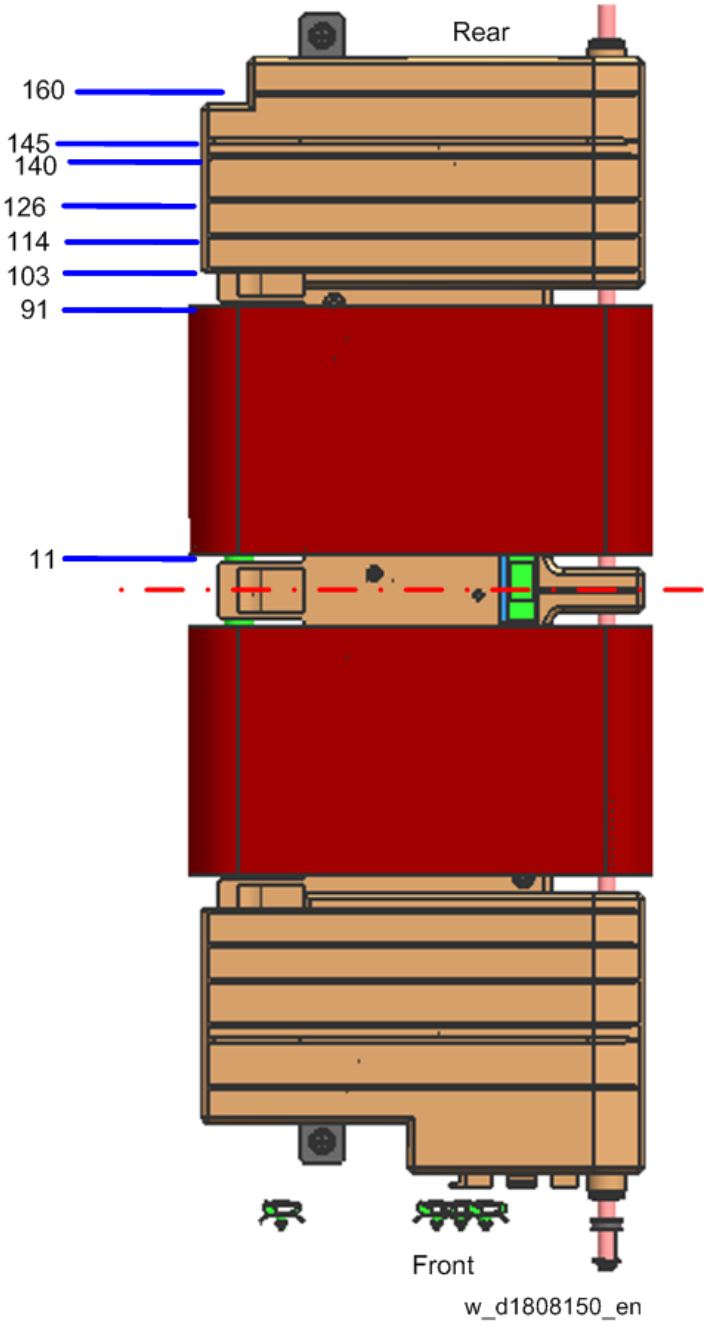
ITB Cleaning Unit (Bottom)



PTR Unit

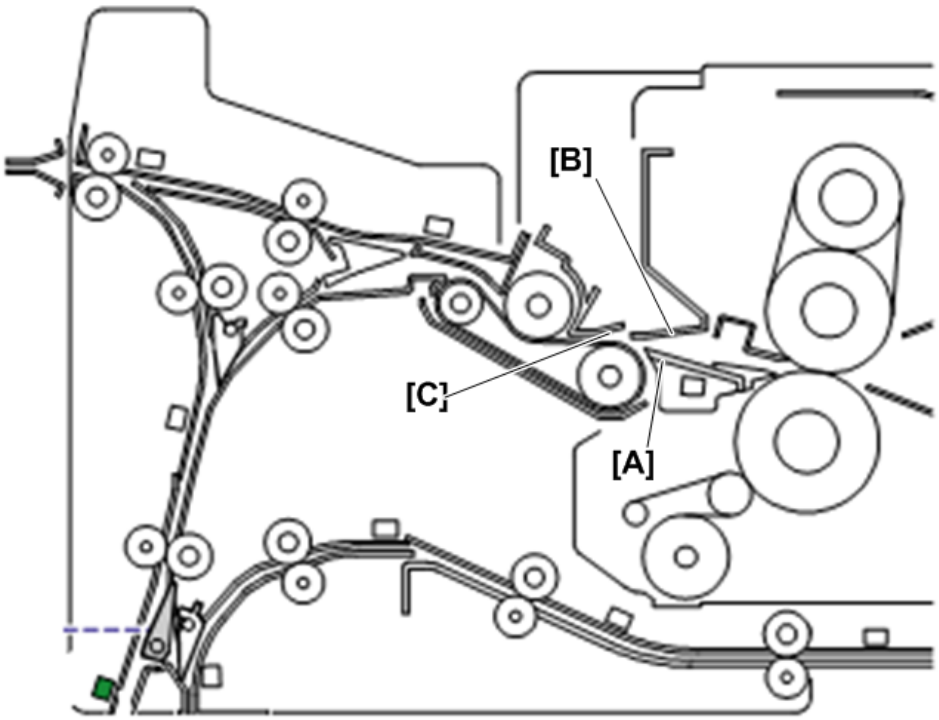

Rear
3
Anti-static brushes
162.6
147.6
134.6
124.6
112.6
94.6
84.6
63.6
54.6
46.6
33.6
18.8
8
25
48
60
71
89
103
136.5
146.5
162
Front
w_d1808151_en

PTB Unit



Fusing Unit

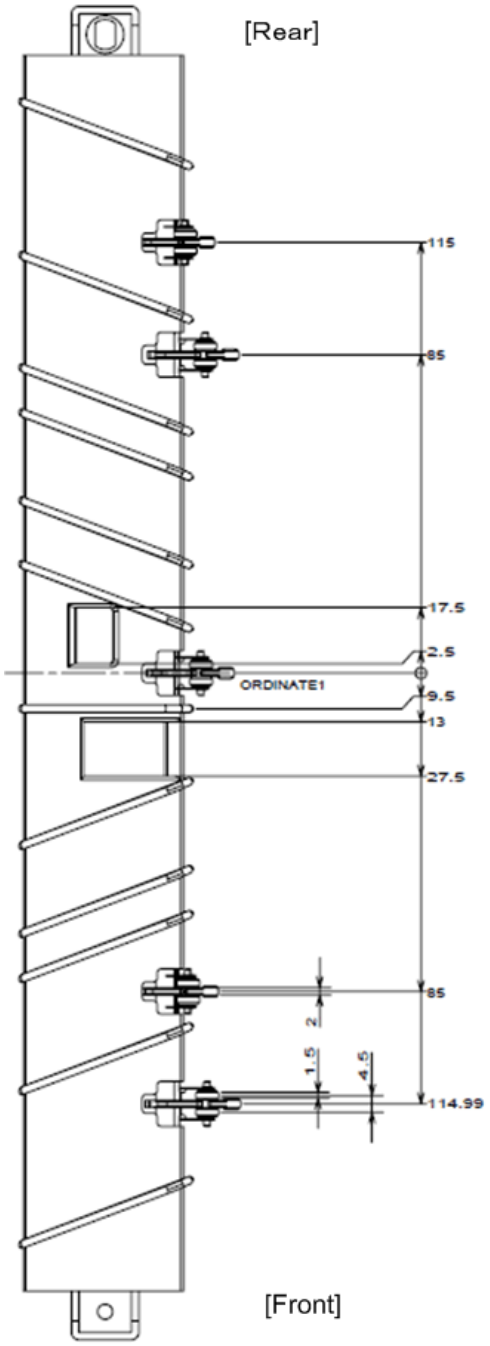
General Layout



d1808144

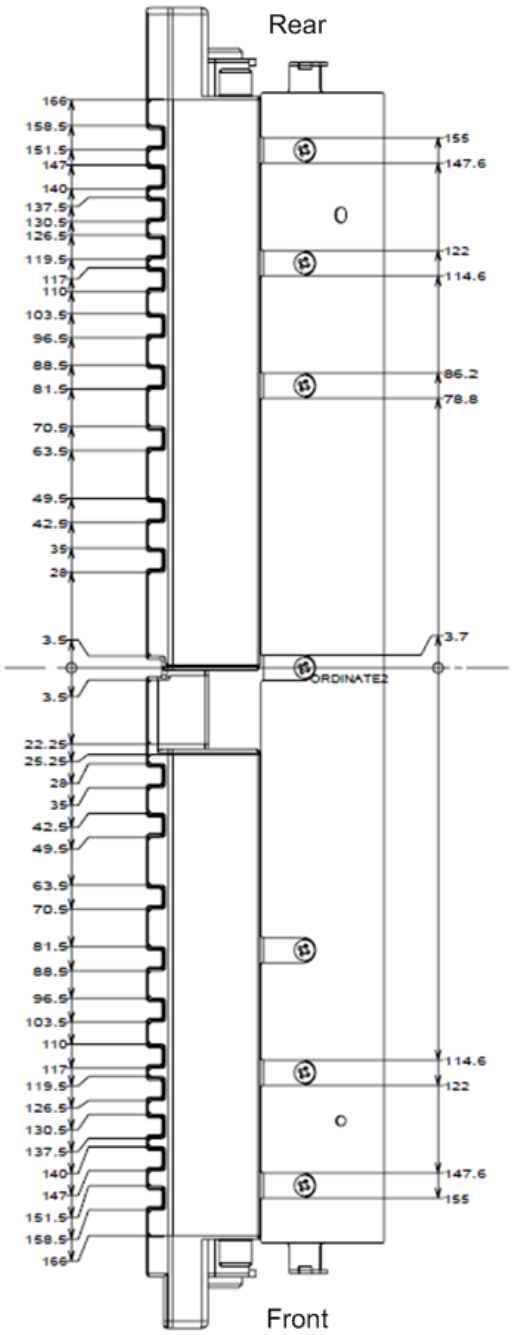
No.	Name
A	Fusing Exit Guide Plate (Upper)
B	Fusing Exit Guide Plate (Lower)
C	Exit Entrance Guide Plate (Upper)

Fusing Exit Guide Plate (Lower)



d1808146

Fusing Exit Guide Plate (Upper)



w_d1808145_en

Exit Entrance Guide Plate (Upper)

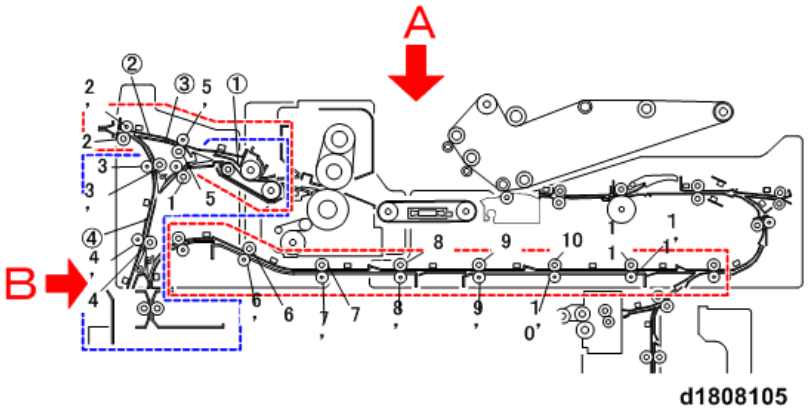
w_d1808147_en

Invert/Exit Unit

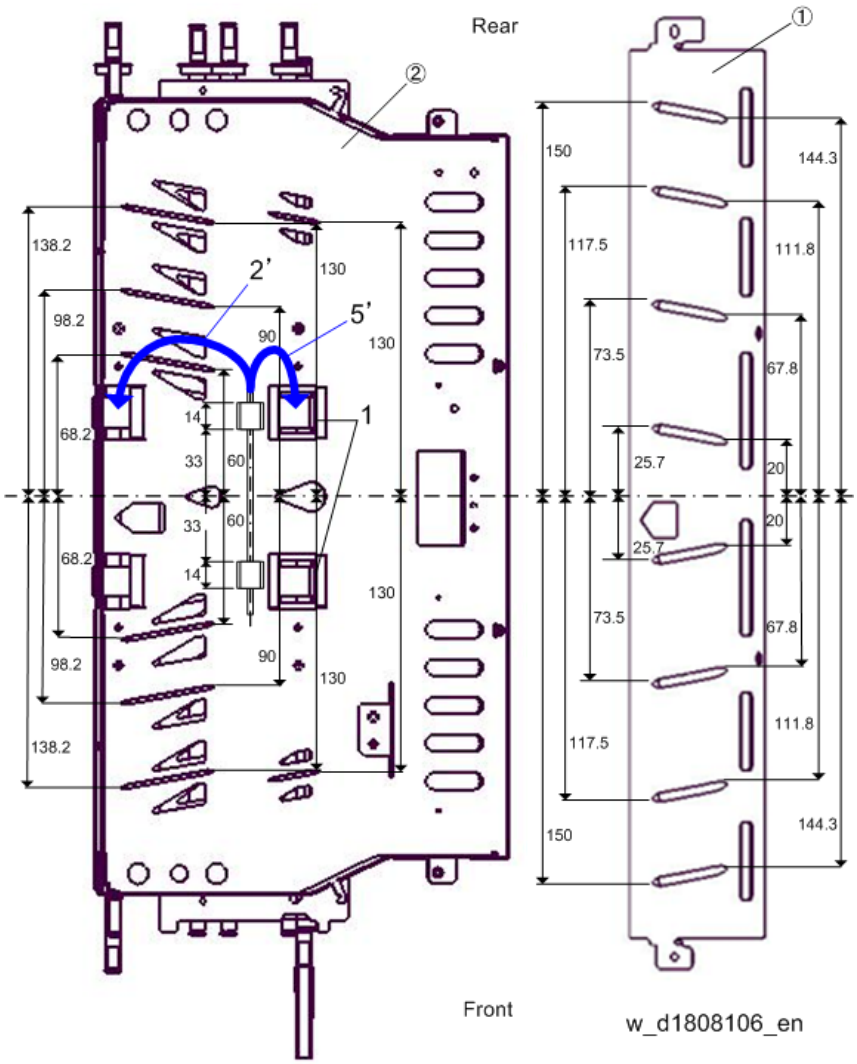
General Layout

Note

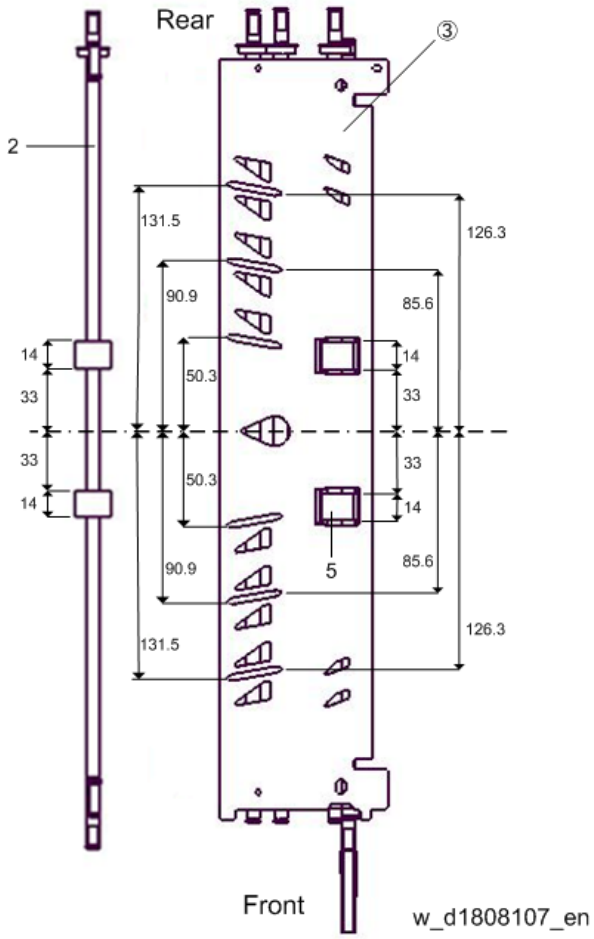
- The red letters and arrows in the diagram below indicate the angle of view so you can orient the map to the machine and identify the transport rollers and ribs



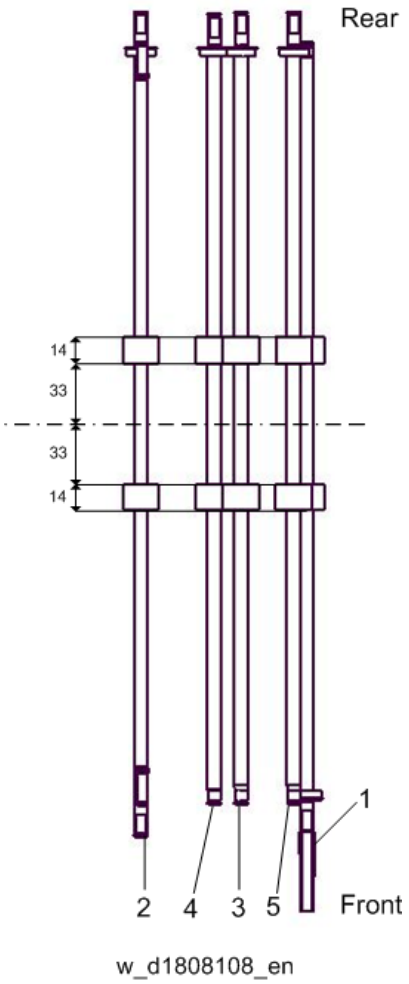
Straight-Through Exit 1: View A (Top)



Straight-Through Exit 2: View A (Top)

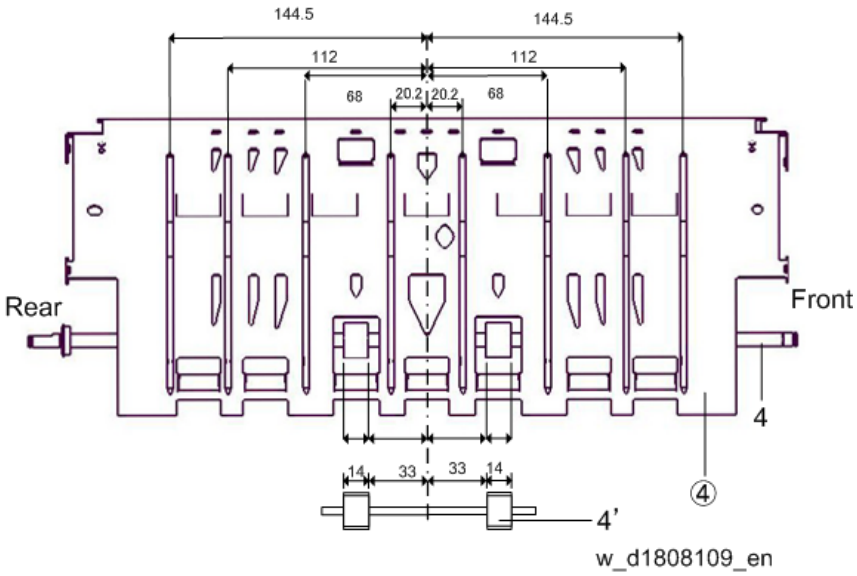


Rollers: View A (Top)



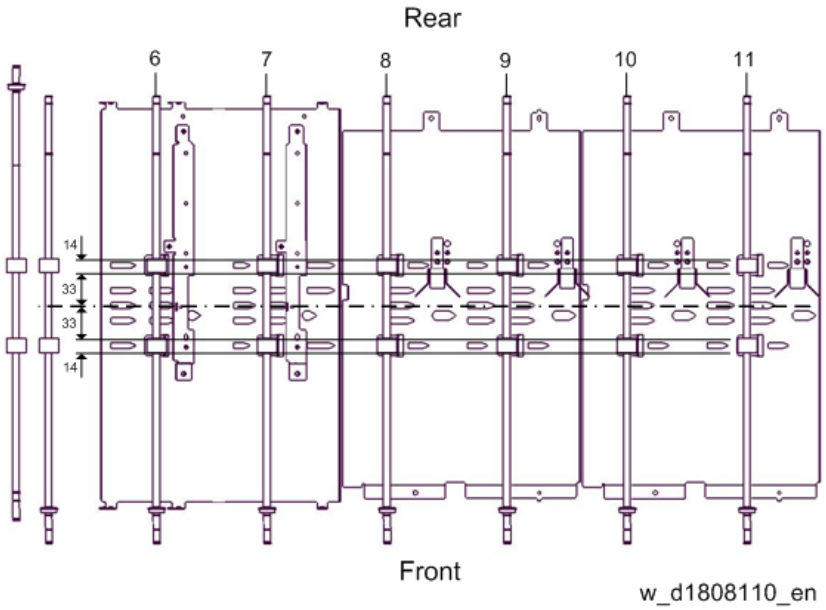
w_d1808108_en

Invert/Exit: View B (Left)

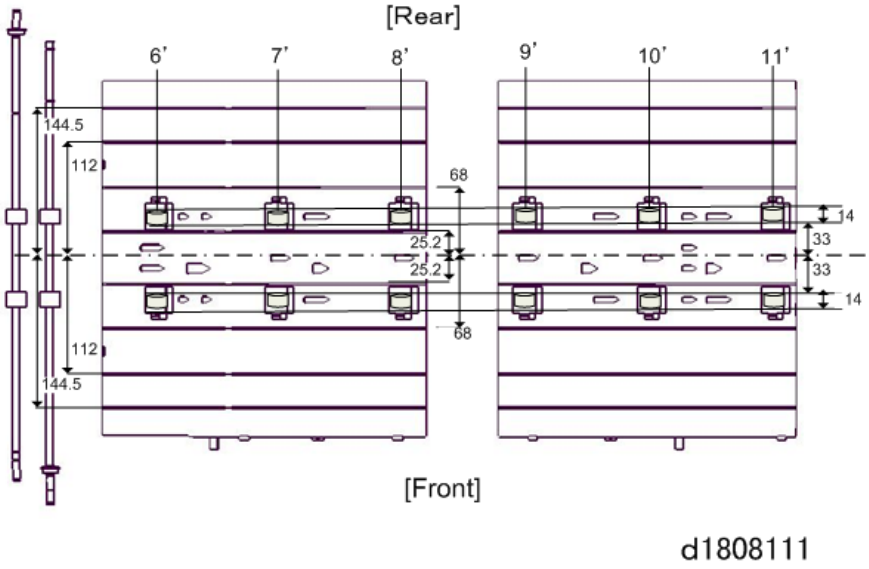


w_d1808109_en

Duplex 1: View A (Top)

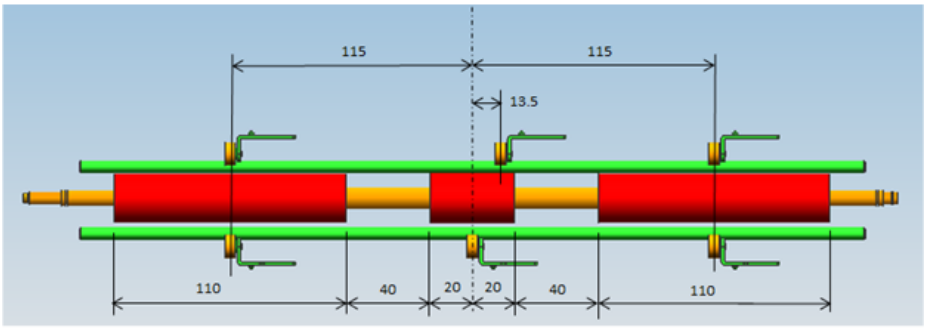


Duplex 2: View A (Top)



Decurl Unit

View: Right



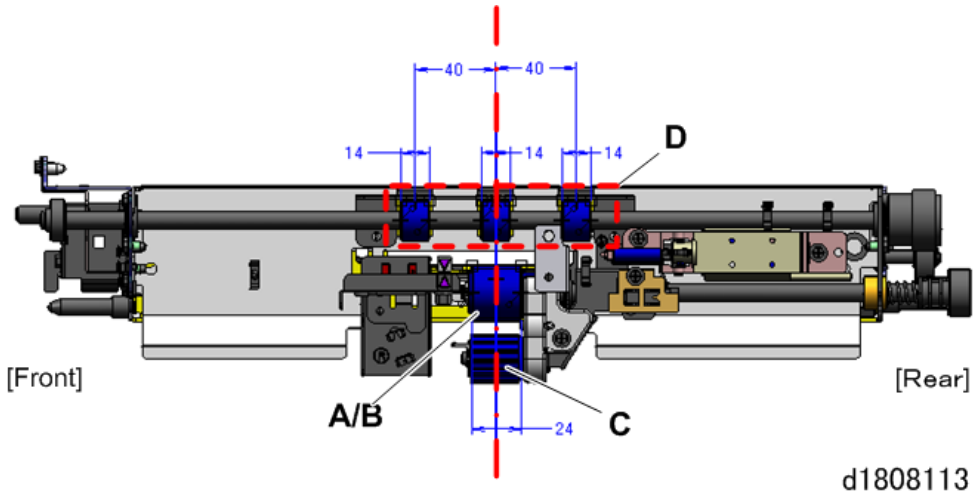
d270d6715

LCT A3

General Layout

Note

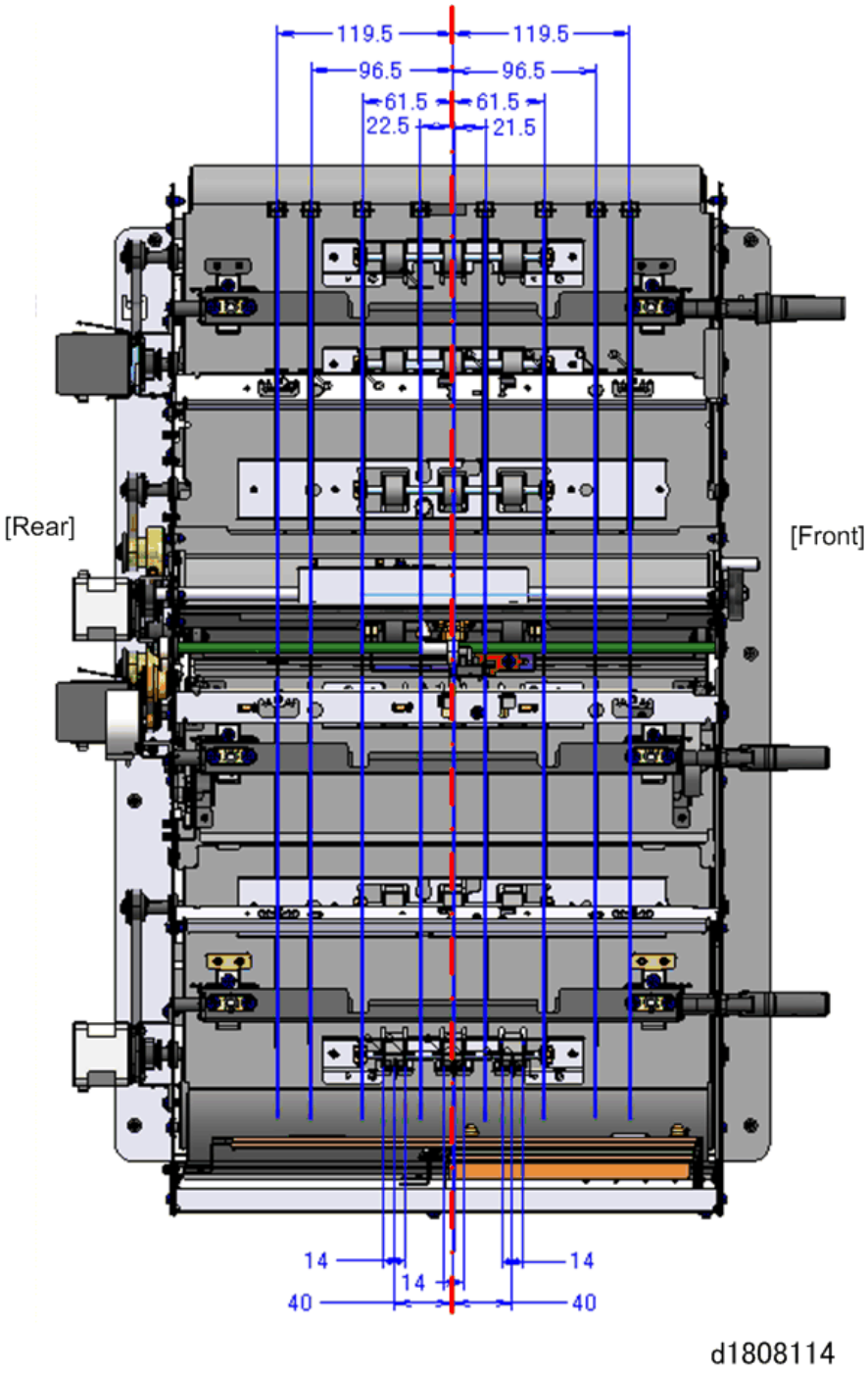
- The layout diagram shown below applies to LCT Tray 4, Tray 5, Tray 6 because their mechanisms are the same.



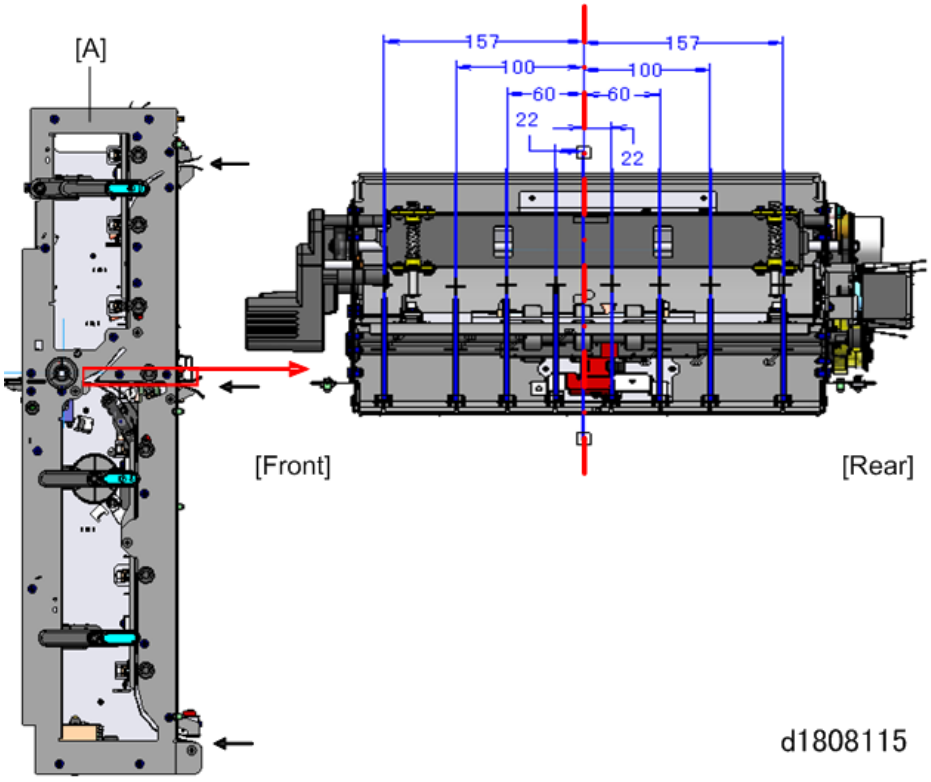
d1808113

No.	Name
A	Pick-up Roller
B	Paper Feed Roller
C	Separation Roller
D	Grip Roller

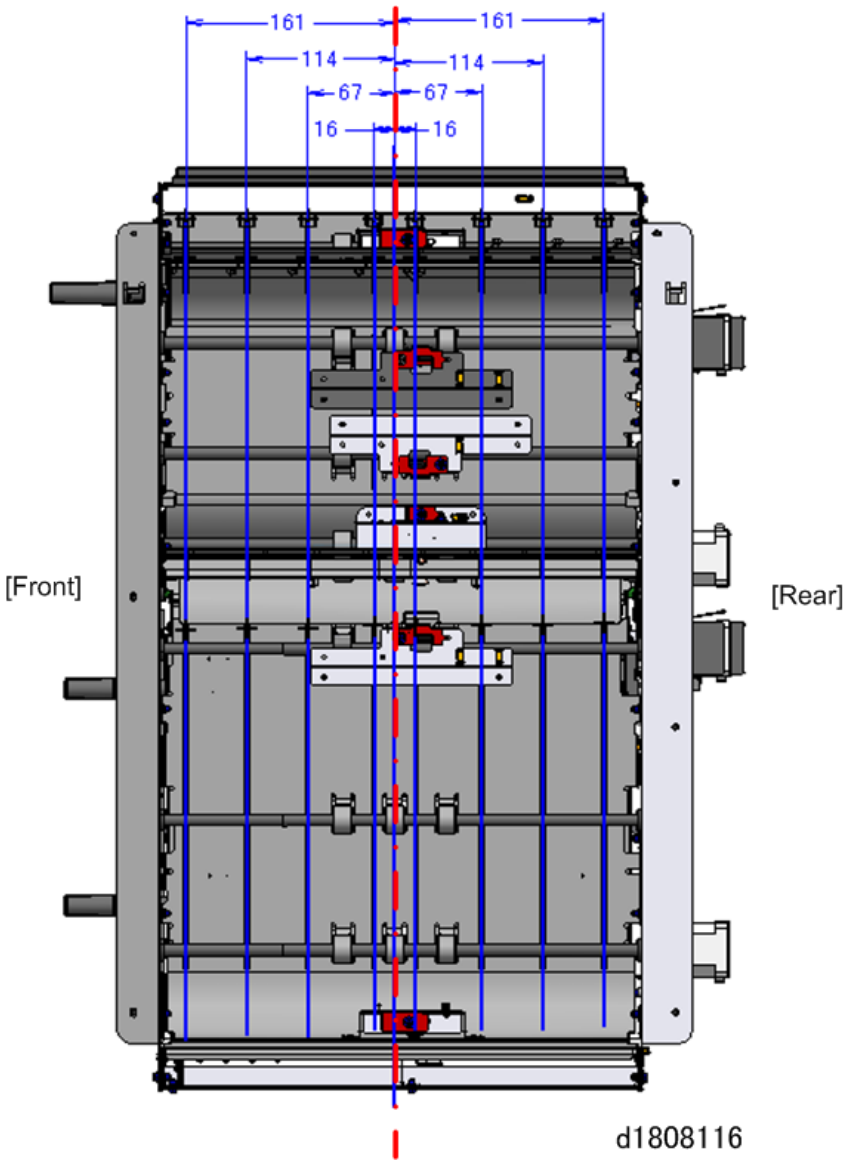
Paper Transport: Movable Guide Ribs and Rollers: Left View



Paper Transport: Tray 5 Transport Fixed Guide Ribs: Left View

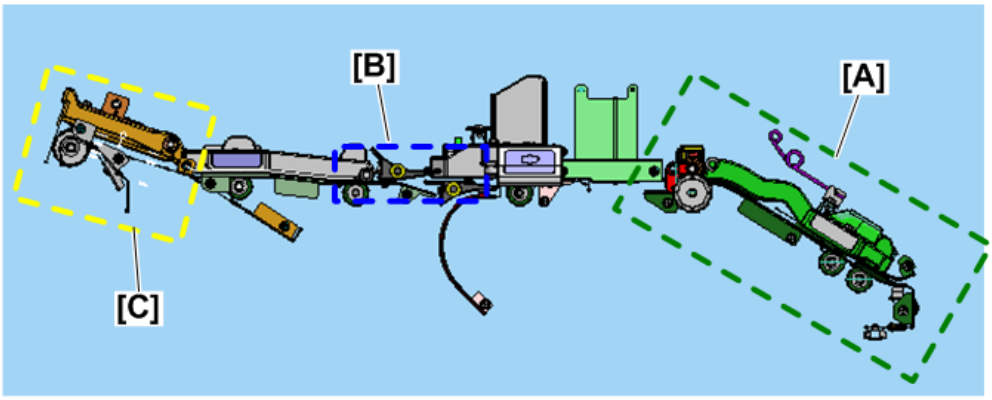


Paper Transport: Fixed Guide Plate Ribs: Right View



Finisher

General Layout: Straight-Through to Shift Tray



d1808117

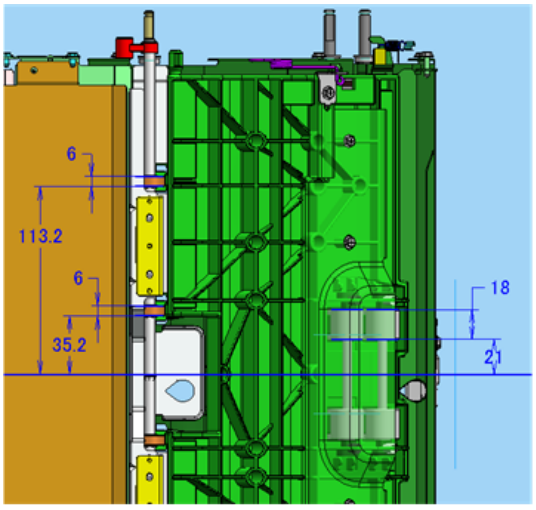
No.	Name
A	Straight Transport 1: Entrance, Paper Registration
B	Straight Transport 2: Post-Punch
C	Straight Transport 3: Exit to Shift Tray

Note

- The diagrams below show the transport rollers and ribs for the finisher. The diagrams are half images because either side is identical to the other.

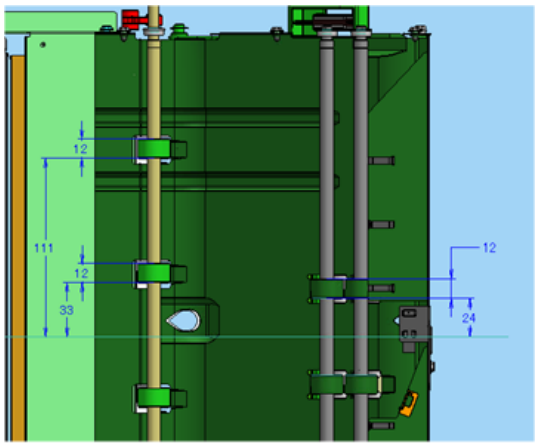
Straight Transport 1: Entrance, Paper Registration

Vertical Drive Rollers



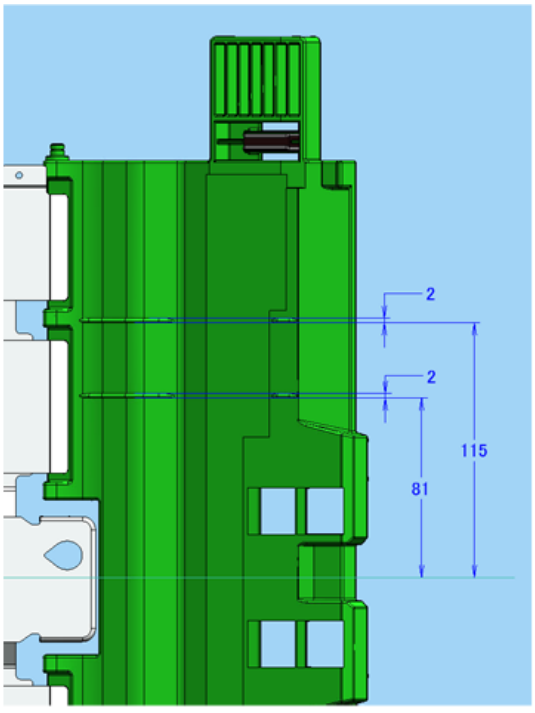
d1808118

Drive Rollers



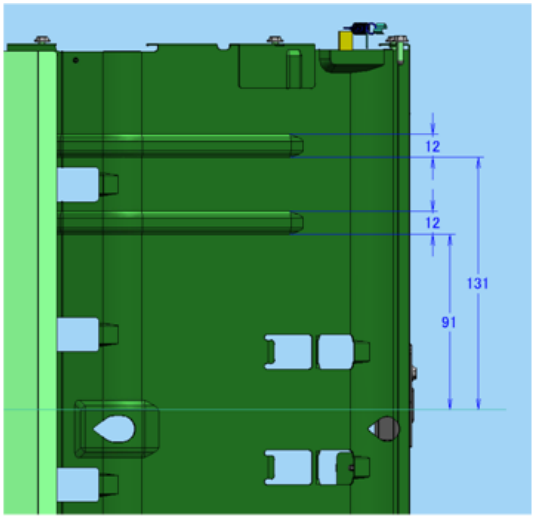
d1808119

Vertical Path Ribs



d1808120

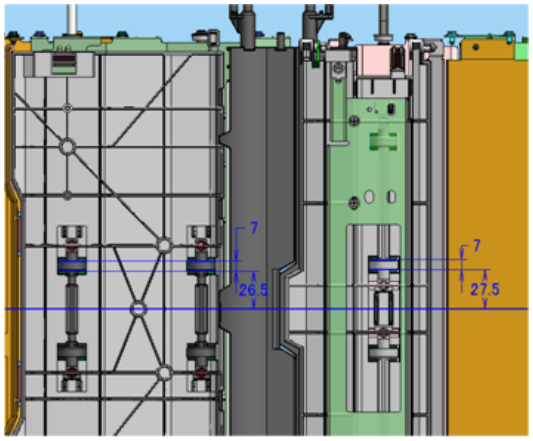
Drive Ribs



d1808121

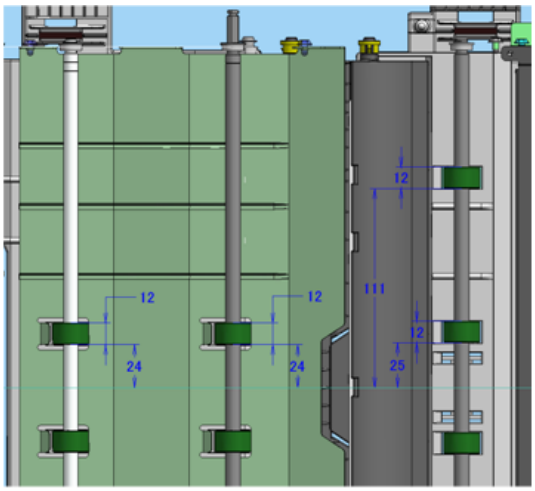
Straight Transport 2: Post-Punch

Vertical Drive Rollers



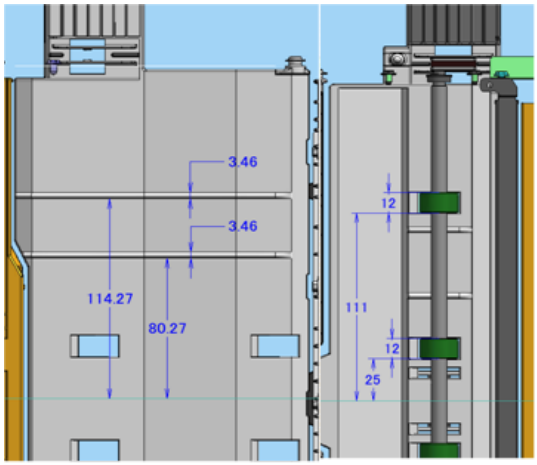
d1808122

Drive Rollers



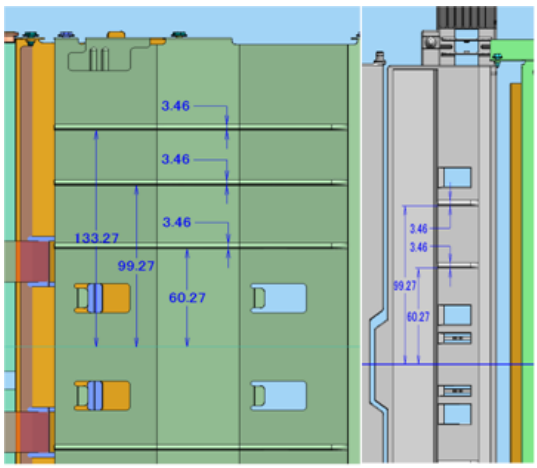
d1808123

Vertical Ribs



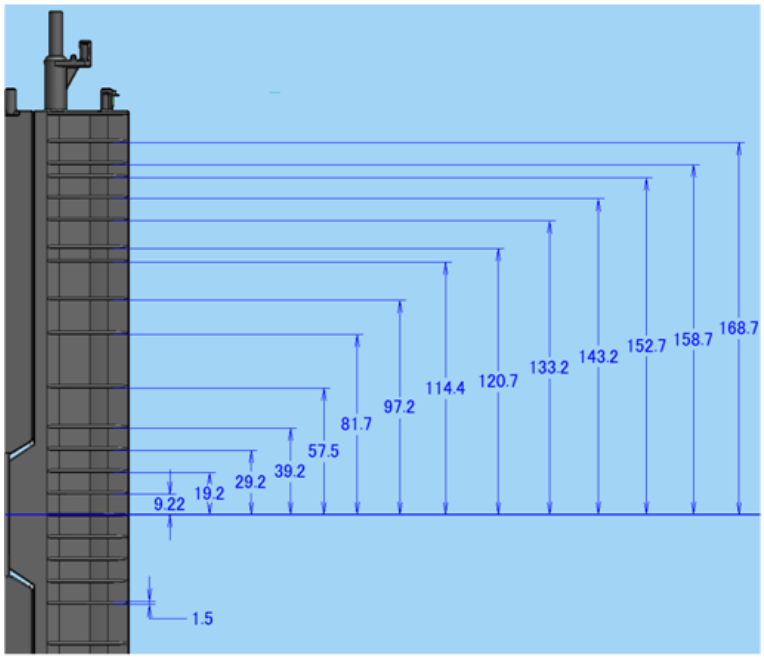
d1808124

Drive Ribs



d1808125

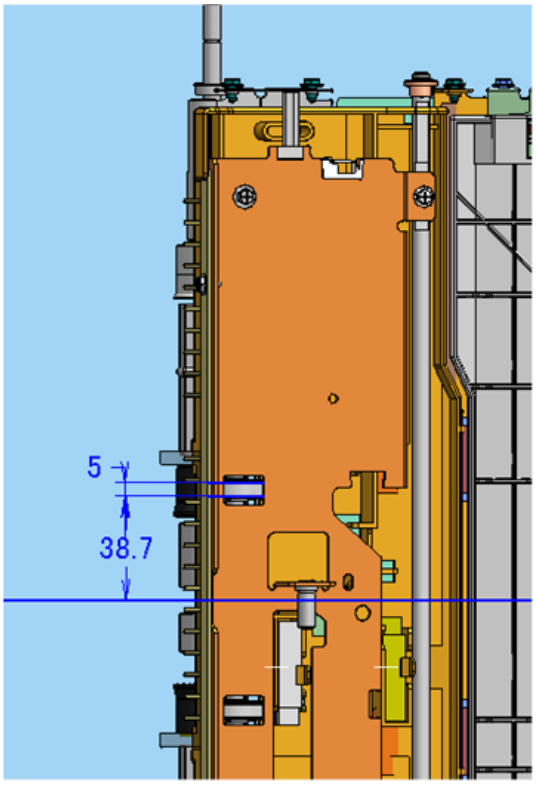
Vertical Drive, Junction Gate



d1808126

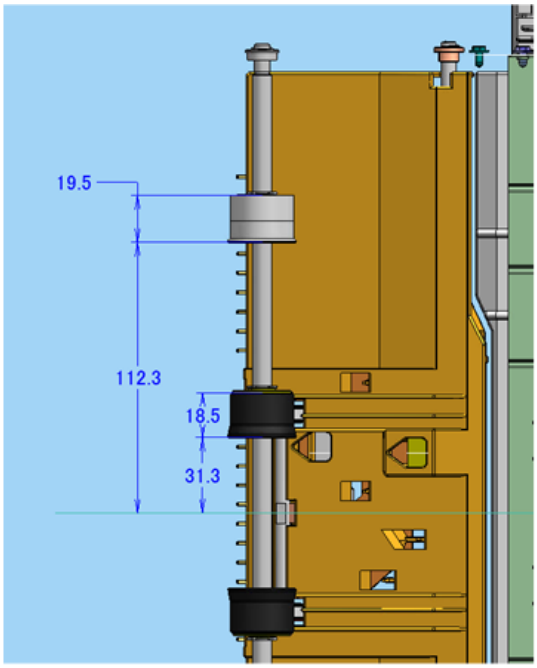
Straight Transport 3: Exit to Shift Tray

Vertical Drive Rollers



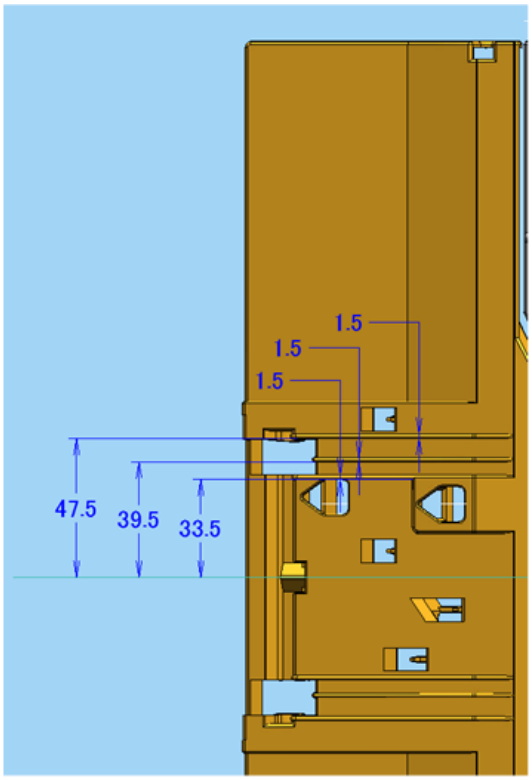
d1808127

Drive Rollers



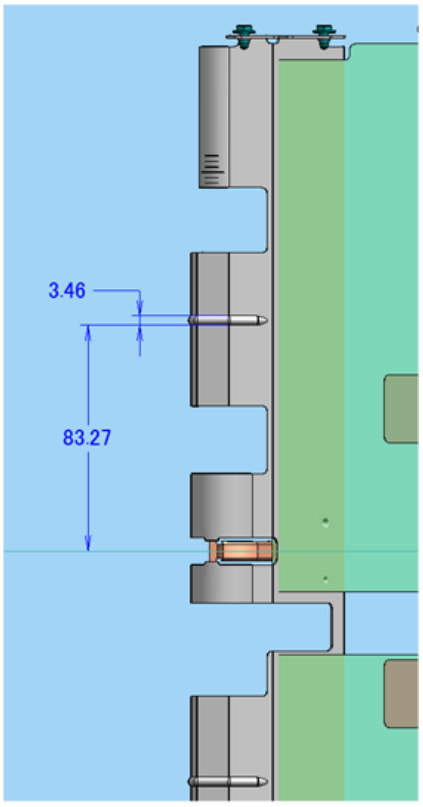
d1808128

Vertical Ribs



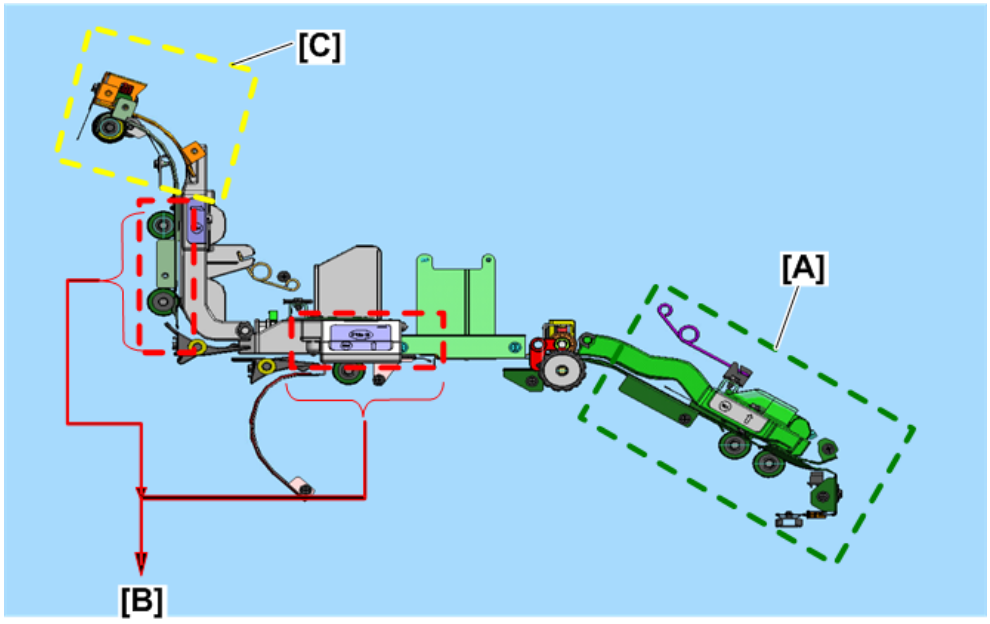
d1808129

Drive Ribs



d1808130

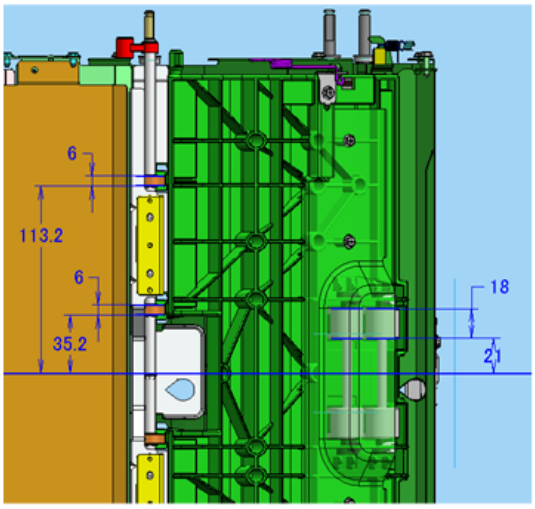
Proof Transport Path Layout



d1808131

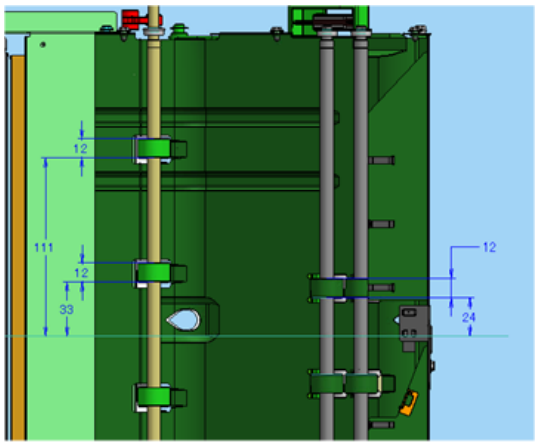
No.	Name
A	Proof Path 1: Entrance, Paper Registration
B	Proof Path 2: Post Punch, Proof Path
C	Proof Path 3: Proof Tray Exit

Vertical Rollers



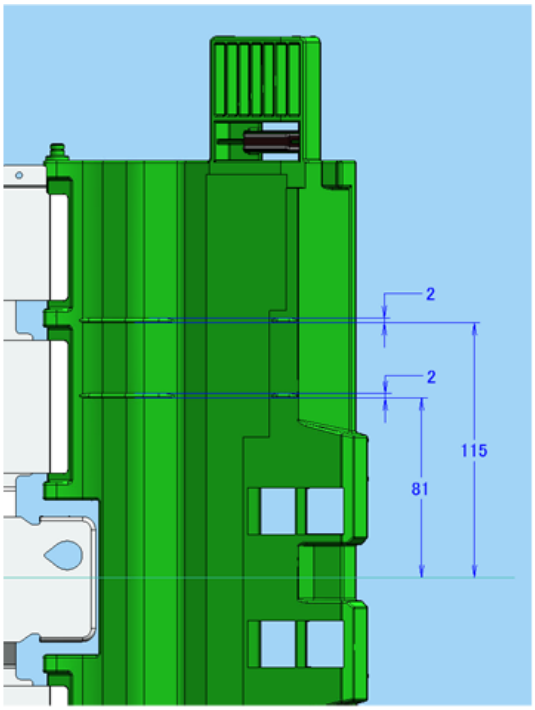
d1808132

Drive Rollers



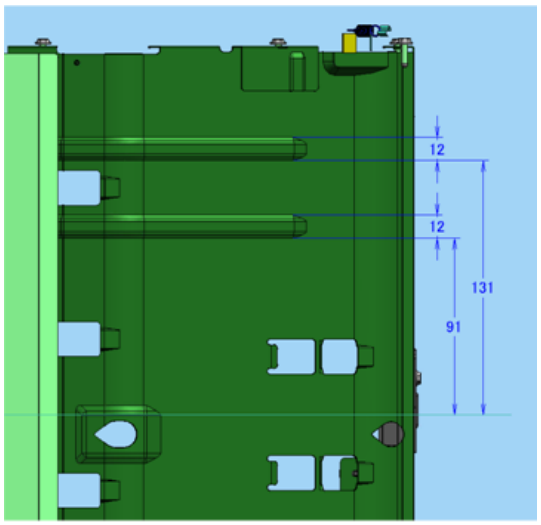
d1808133

Vertical Ribs



d1808134

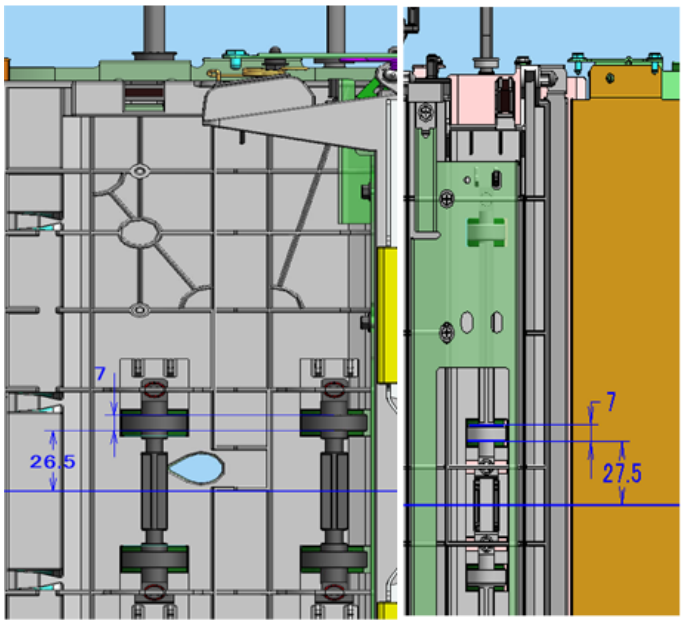
Drive Ribs



d1808135

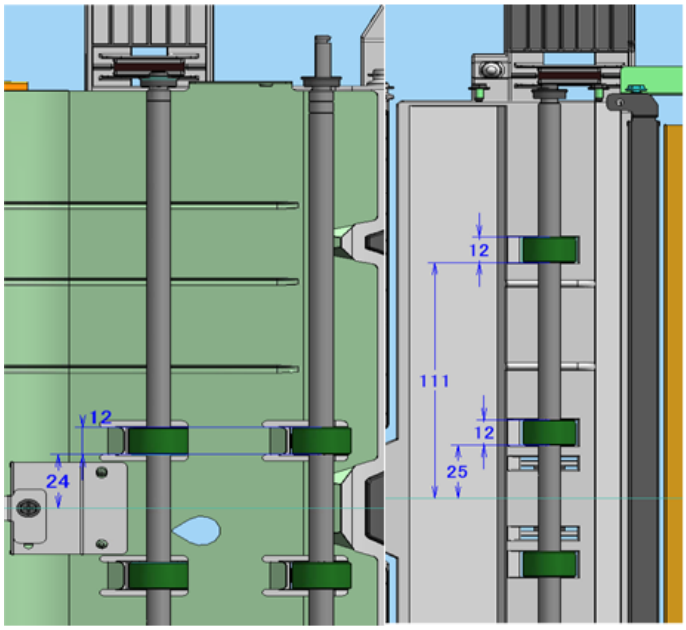
Proof Path 2: Post Punch, Proof Path

Vertical Rollers



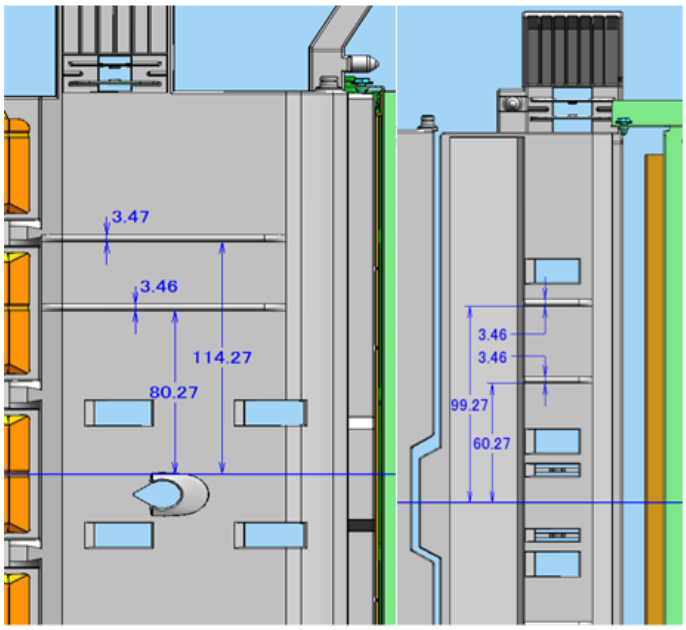
d1808136

Driver Rollers



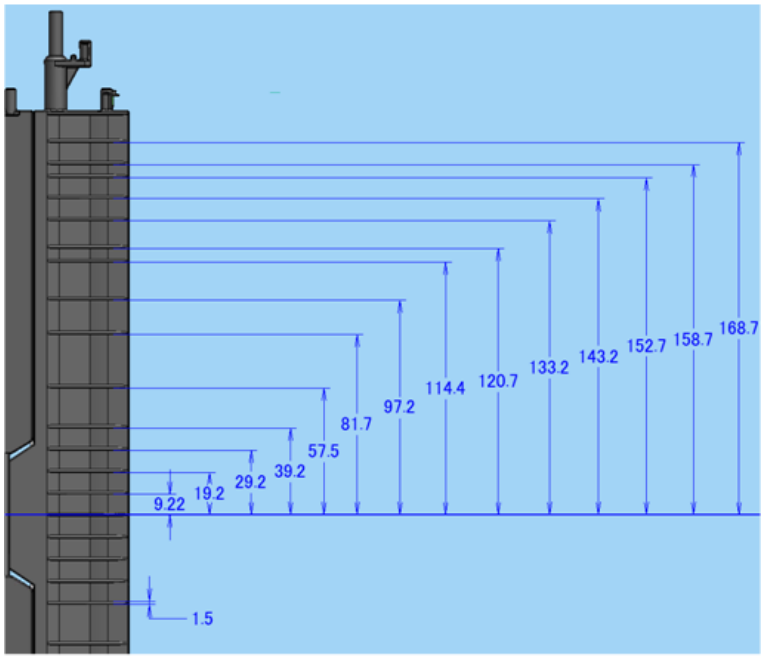
d1808137

Vertical Ribs



d1808138

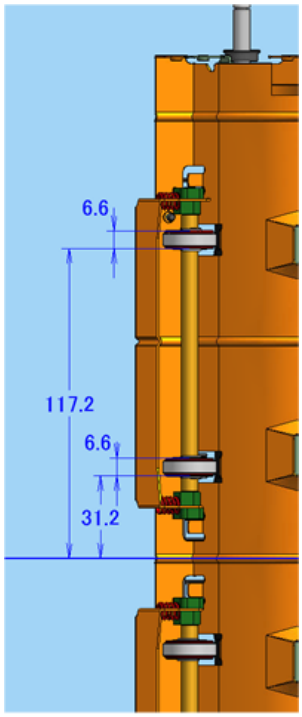
Transport Junction Gate Ribs



d1808139

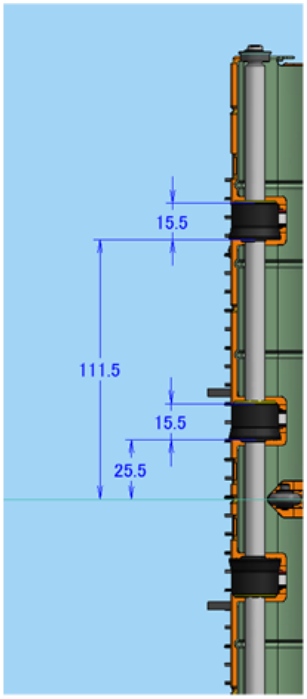
Proof Path 3: Proof Tray Exit

Vertical Rollers



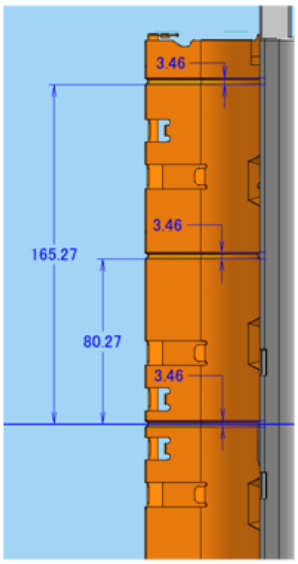
d1808140

Drive Rollers



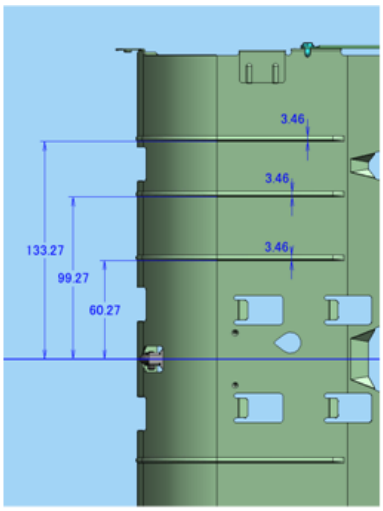
d1808141

Vertical Ribs



d1808142

Drive Ribs



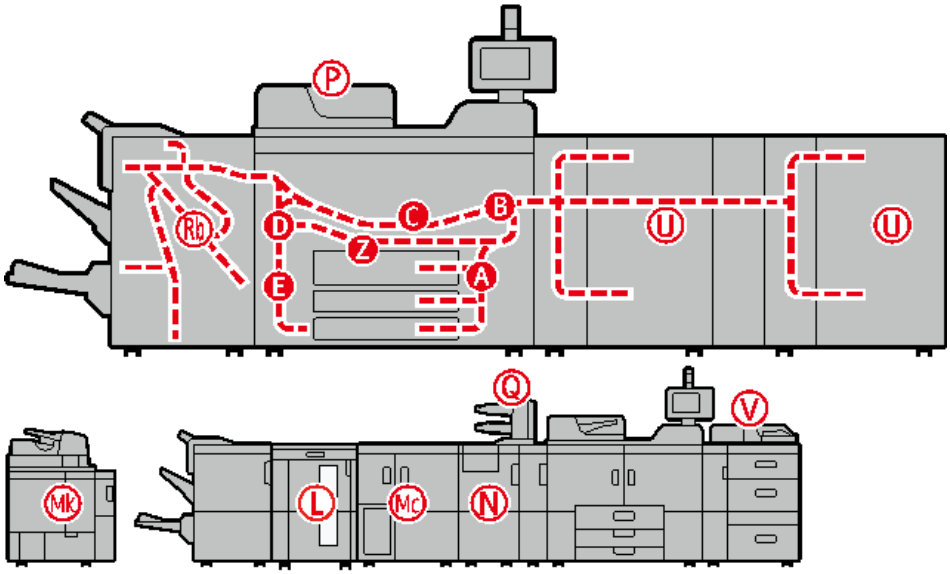
d1808143

Jam Detection

Display

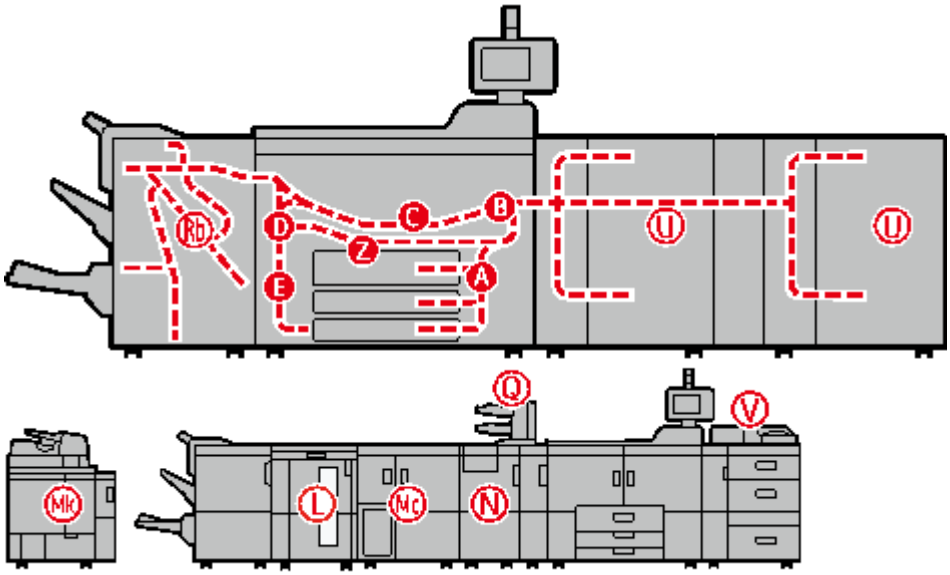
When a jam occurs, a graphic display appears and shows you on the operation panel where the paper has stopped.

Copier Model



m263z0002

Printer Model



m263z0003

Jam Removal

⚠CAUTION

- When removing jammed paper, avoid touching components outside the area where the paper has stopped. Some parts inside the machine become very hot and can cause minor burns if they are touched.

Note

- Do not turn the machine off when you remove a paper jam. If you turn the machine off, this will clear all the job settings.
- Always remove paper carefully to prevent it from tearing and leaving paper scraps in the machine. Paper scraps left behind can cause other paper jams or damage the machine.
- If jam displays keep occurring for the same location, carefully check around the location for obstacles in the paper path.

Always follow the instructions and procedures about paper jam removal described on the decals affixed to the machine, These decals are affixed to back of the the door of the main machine, and also provided on peripheral units.

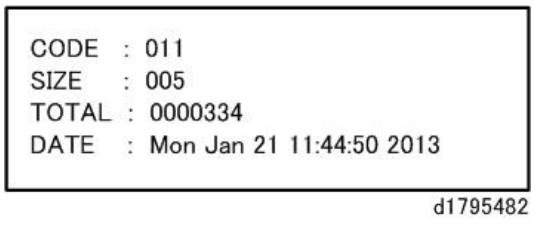
Paper Jam Code Logs

Checking Logs

You can check the paper jam logs with SP7507.

- SP7-507-001 Plotter Jam History - Latest
- SP7-507-002 Plotter Jam History - Latest 1
- SP7-507-003 Plotter Jam History - Latest 2
- SP7-507-004 Plotter Jam History - Latest 3
- SP7-507-005 Plotter Jam History - Latest 4
- SP7-507-006 Plotter Jam History - Latest 5
- SP7-507-007 Plotter Jam History - Latest 6
- SP7-507-008 Plotter Jam History - Latest 7
- SP7-507-009 Plotter Jam History - Latest 8
- SP7-507-010 Plotter Jam History - Latest 9

Jam Display



- CODE: Jam code number
- SIZE: Paper size
- TOTAL: Total count for jams at this location (SP7-502-001)
- DATE: Date of jam occurrence

Note

- Information is displayed for the 10 most recent jams.
- Initial jams at power on are not displayed here.

Jam Code Descriptions

Note

- Code: This is the code number of the jam that is displayed in log data.
- Display Code: This is the letter/number code displayed in the on-line grahpic help display that appears on the operation panel after a jam occurs.

ADF (Copier Model Onlyl)

Code	Meaning	Display Code
1	At power on	P1
1	Stack jam error (overflow)	
13	Separation sensor late error	
14	Skew correction sensor late error	
15	Scanner entrance sensor late error	
16	Registration sensor: late error	
17	Exit sensor late error	
63	Separation sensor lag error	
64	Skew correction sensor lag error	
65	Scanner entrance sensor lag error	
66	Registration sensor lag error	
67	Exit sensor lag error	
239	Original grip error	

Main Machine

Code	Meaning	Display Code
0	Jam release	
1	Standby jam (initial)	J001
Late jam. The paper has failed to arrive within the prescribed time due to a jam that has occurred upstream of the referenced sensor.		
3	F1 Paper feed sensor	J003
4	F2 Paper feed sensor	J004
5	F3 Paper feed sensor	J005
6	LCT F1 Paper Feed Sensor	J006
7	LCT F2 Paper feed sensor	J007
8	LCT F3 Paper feed sensor	J008
9	LCT F4 Paper feed sensor	J009
10	F1 Transport sensor	J010
11	F2 Transport sensor	J011
12	F3 Transport sensor	J012

13	LCT F1 Transport Sensor	J013
14	LCT F2 Transport sensor	J014
15	LCT F3 Transport sensor	J015
16	LCT F4 Transport sensor	J016
17	Vertical transport sensor	J017
18	Main relays sensor (1st feed)	J018
19	Main relay sensor (duplex 2nd feed)	J019
20	Registration entrance sensor	J020
21	LCT F1 Vertical transport sensor: A4 LCT	J021
22	LCT F1 Vertical transport sensor 1	J022
23	LCT F1 Vertical transport sensor 2	J023
24	LCT F2 Vertical transport sensor	J024
25	LCT F3 Vertical transport sensor	J025
26	LCT exit sensor	J026
27	LCT relay sensor	J027
28	Registration timing sensor (Main)	J028
29	Registration timing sensor (LCT)	J029
30	Paper late jam	J030
31	Transfer timing sensor	J031
32	Paper transport sensor	J032
33	-	J033
34	Fusing exit sensor	J034
35	Exit JG sensor	J035
36	Exit sensor	J036
37	-	J037
38	Invert/exit sensor (2nd pass)	J038
39	Invert/exit sensor (duplex)	J039
40	Duplex invert sensor (1st pass)	J040
41	Duplex Invert sensor (2nd pass)	J041
42	Duplex transport sensor 1	J042
43	Duplex transport sensor 2	J043
44	Duplex transport sensor 3	J044
45	Duplex transport sensor 4	J045
46	Duplex transport sensor 5	J046
47	Duplex transport sensor 6	J047
48	Duplex unit exit sensor	J048
49	Over skew	J049
50	Over shift	J050

51	-	-
52	-	-
Lag jam. The paper has failed to leave the location of the referenced sensor within the prescribed time due to a jam downstream of the referenced sensor.		
53	F1 Paper feed sensor	J053
54	F2 Paper feed sensor	J054
55	F3 Paper feed sensor	J055
56	LCT F1 Paper feed sensor	J056
57	LCT F2 Paper feed sensor	J057
58	LCT F3 Paper feed sensor	J058
59	LCT F4 Paper feed sensor	J059
60	F1 Transport sensor	J060
61	F2 Transport sensor	J061
62	F3 Transport sensor	J062
63	LCT F1 Transport sensor	J063
64	LCT F2 Transport sensor	J064
65	LCT F3 Transport sensor	J065
66	LCT F4 Transport sensor	J066
67	Vertical transport sensor	J067
68	Main relay sensor	J068
69	-	J069
70	Registration entrance sensor	J070
71	LCT F1 Vertical transport sensor: A4 LCT	J071
72	LCT F1 Vertical transport sensor 1	J072
73	LCT F1 Vertical transport sensor 2	J073
74	LCT F2 Vertical transport sensor	J074
75	LCT F3 Vertical transport sensor	J075
76	LCT exit sensor	J076
77	LCT relay sensor	J077
78	Registration timing sensor	J078
79	-	J079
80	Sub scan registration correction	J080
81	Transfer timing sensor	J081
82	Paper transport sensor	J082
84	Fusing exit sensor	J084
85	Exit JG sensor	J085
86	Exit sensor	J086
87	Invert/exit sensor (1st pass)	J087

88	-	J088
89	Invert/exit sensor (duplex)	J089
90	Duplex invert sensor (1st pass)	J090
91	Duplex invert sensor (2nd pass)	J091
92	Duplex transport sensor 1	J092
93	Duplex transport sensor 2	J093
94	Duplex transport sensor 3	J094
95	Duplex transport sensor 4	J095
96	Duplex transport sensor 5	J096
97	Duplex transport sensor 6	J097
98	Duplex unit exit sensor	J098
99	Double-feed	J099

Finisher SR5060/5050

Code	**Meaning**	**Display Code**
100	Door open jam	Rb1 to Rb17
101	Display non-performing jam	
102	Disable paper stop jam	
103	Software internal error	
104	Paper tranport late at exit	
105	Paper transport lag at exit	
106	Paper transport late at proof tray exit	
107	Proof tray exit lag error	
108	Shift tray exit late error	
109	Shift tray exit lag error	
110	Staple exit transport late error	
111	Staple exit paper transport lag error	
112	Pre-stacker late error	
113	Pre stacker lag error	
114	Stack output error	
115	Booklet stapler late error	
116	Booklet stapler lag error	
117	Booklet stapler late error	
118	Booklet stapler exit lag error	
119	Transport system error	
120	Shift tray lift drive error	
121	Jogger drive error	
122	Shift drive error	

123	Stapler drive error	
124	Stack output drive error	
125	Punch drive error	
126	Stack jogger error	
127	Pre-stack drive error	
128	Stack transport error	
129	Center staple error	
130	Center fold error	

Cover Interposer Tray CI5030

Code	Meaning	Display Code
150	Door open jam	Q
151	Display non-performing jam	
152	Disable paper stop jam	
153	Software internal error	
154	1st Feed sensor late jam	
155	1st Feed sensor lag jam	
156	2nd Feed sensor late jam	
157	2nd Feed sensor lag jam	
158	1st Transport sensor late jam	
159	1st Transport sensor lag jam	
160	2nd Transport sensor late jam	
161	2nd Transport sensor lag jam	
162	1st Vertical transport sensor late jam	
163	1st Vertical transport sensor lag jam	
164	2nd Vertical transport sensor late jam	
165	2nd Vertical transport sensor lag jam	
166	Exit sensor late jam	
167	Exit sensor lag jam	
168	Entrance sensor late jam	
169	Entrance sensor lag jam	
170	Exit sensor late jam	
171	Exit sensor lag jam	
172	Insert timing late jam	
173	1st Lift motor jam	
174	2nd Lift motor jam	
175	1st Pickup motor jam	
176	2nd Pickup motor jam	

Trimmer TR5040

Code	**Meaning**	**Display Code**
200	Door open jam	Rt1 to 2
201	Display non-performing jam	
202	Disable paper stop jam	
203	Software internal error	
204	Entrance late jam	
205	Entrance lag jam	
206	Skew sensor late jam	
207	Skew sensor lag jam	
208	Exit sensor late jam	
209	Exit lag jam	
210	Cutter motor lock	
211	Cut position motor	
212	Pressure roller	
213	Stopper/pressure roller	
214	Tray motor	

RPIP Interface Box Type S3

Code	Meaning	Display Code
220	Main Machine Data Corrupt	Displayed by 3rd party Peripheral
221	Non recognized paper stop jam	
222	Software internal error	
223	DFD jam	
224	Emergency stop jam	
225	DFD communication error	

Multi Fold Unit FD5020

Code	**Meaning**	**Display Code**
250	Door open jam	N1 to N22
251	Display non-performing jam	
252	Disable paper stop jam	
253	Software internal error	
254	Entrance late jam	
255	Entrance lag jam	
256	Fold paper tray exit late error	
257	Fold paper tray exit lag error	
258	Straight-through exit late error	

259	Straight-through exit lag error	
260	Stopper 1 late error	
261	Stopper 1 lag error	
262	Stopper 2 late error	
263	Stopper 2 lag error	
264	Stopper 3 late error	
265	Stopper 3 lag error	
266	Registration correction error	
267	Fold paper tray transport error	
268	Entrance JG motor error	
269	Stopper 1 motor error	
270	Stopper 2 motor error	
271	Stopper 3 motor error	
272	Dynamic roller lift motor error	
273	Registration roller release motor error	
274	Fold plate motor error	
275	Jogger fence motor error	
276	Direct-send JG motor error	

High Capacity Stacker SK5030 (Upstream)

Code	Meaning	Display Code
300	Entrance path late jam	L1-5
301	Entrance path lag jam	L1-5
302	Proof tray exit late jam	L1-5
303	Proof tray exit lag jam	L1-5
304	Stacker tray exit late jam	L1-5, L
305	Stacker tray exit lag jam	L1-5, L
306	Paper relay path late jam	L1-5
307	Paper relay path lag jam	L1-5
308	Straight exit path late jam	L1-5
309	Straight exit path lag jam	L1-5
310	Shift Tray JG Motor	L1-5
311	Proof Tray JG Motor	L1-5
312	Shift Motor	L1-5, L
313	Main Jogger Front Fence Motor	L1-5, L
314	Main Jogger Rear Fence Motor	L1-5, L
315	Main Jogger Fence Retraction Motor	L1-5, L
316	Sub Jogger Motor	L1-5, L

Code	Meaning	Display Code
317	LE Stopper Motor	L1-5, L
318	Tray Lift Motor	L1-5, L
319	Door open jam	L1-5
320	Main Machine Data Corrupt	L1-5
321	Non recognized paper stop jam	L1-5
322	Software internal error	L1-5

Perfect Binder GB5010

Code	**Meaning**	**Display Code**
300	Door open jam	Mk1 to 14
301	Display non-performing jam	
302	Disable paper stop jam	
303	Software internal error	
304	Straight-through exit sensor late jam	
305	Straight-through exit sensor lag jam	
306	Cover registration sensor late jam	
307	Cover registration sensor lag (switchback) jam	
308	Cover horizontal registration sensor (small) late jam	
309	Cover horizontal registration sensor (small) lag jam	
310	Cover horizontal registration sensor (large) late jam	
311	Cover horizontal registration sensor (large) lag jam	
312	Entrance sensor late jam	
313	Entrance sensor lag jam	
314	Signature path sensor 1 late jam	
315	Signature path sensor 1 lag jam	
316	Signature path sensor 2 late jam	
317	Signature path sensor 2 lag jam	
318	Timing sensor late jam	
319	Timing sensor lag jam	
320	Stacking tray paper late jam	
321	Stacking tray paper lag jam	
322	Sub grip paper late jam	
323	Signature path 1 sensor late jam	
324	Signature path 1 sensor lag jam	
325	Signature path 2 sensor late jam	
326	Signature path 2 sensor lag jam	
327	Cover registration sensor late jam	

328	Cover registration sensor lag jam	
329	Paper size mismatch jam (length in paper feed direction)	
330	Cover size short jam	
331	Trimming width over jam	
332	Finishing height over jam	
333	Insert cover size mismatch jam	
334	Pre-junction sensor late jam	
335	Pre-junction sensor lag jam	
336	Upper tray separation sensor late jam	
337	Upper tray separation sensor lag jam	
338	Lower tray separation sensor late jam	
339	Lower tray separation sensor lag jam	
340	Transport path sensor 1 late jam	
341	Transport path sensor 1 lag jam	
342	Transport path sensor 2 late jam	
343	Transport path sensor 2 lag jam	
344	Transport sensor late jam	
345	Transport sensor lag jam	

High Capacity Stacker SK5030 (Downstream)

Code	Meaning	Display Code	
325	Entrance path late jam	L1-5	
326	Entrance path lag jam	L1-5	
327	Proof tray exit late jam	L1-5	
328	Proof tray exit lag jam	L1-5	
329	Stacker tray exit late jam	L1-5, L	
330	Stacker tray exit lag jam	L1-5, L	
331	Paper relay path late jam	L1-5	
332	Paper relay path lag jam	L1-5	
333	Straight exit path late jam	L1-5	
334	Straight exit path lag jam	L1-5	
335	Shift Tray JG Motor	L1-5	
336	Proof Tray JG Motor	L1-5	
337	Shift Motor	L1-5, L	
338	Main Jogger Front Fence Motor	L1-5, L	
339	Main Jogger Rear Fence Motor	L1-5, L	
340	Main Jogger Fence Retraction Motor	L1-5, L	
341	Sub Jogger Motor	L1-5, L	

Code	Meaning	Display Code	
342	LE Stopper Motor	L1-5, L	
343	Tray Lift Motor	L1-5, L	
344	Door open jam	L1-5	
345	Main Machine Data Corrupt	L1-5	
346	Non recognized paper stop jam	L1-5	
347	Software internal error	L1-5	

Ring Binder RB5020

Code	**Meaning**	**Display Code**
350	Door open jam	Mc1 to 8
351	Display non-performing jam	
352	Disable paper stop jam	
353	Software internal error	
354	Transport unit entrance late jam	
355	Transport unit entrance lag jam	
356	Transport unit relay late jam	
357	Transport unit relay lag jam	
358	Transport unit exit late jam	
359	Transport unit exit lag jam	
360	Pre-punch jam	
361	Post-punch jam	
362	Binder paper trailing edge jam	
363	Binder paper leading edge jam	
364	Poor ring separation jam	
365	Binder unit not detected jam	
366	Output belt 1 jam	
367	Output belt 2 jam	
368	Stacker unit jam	
369	Punch motor jam	
370	Shutter motor jam	
371	Alignment pin motor jam	
372	Pre-punch jogger jam	
373	Alignment unit jam	
374	Punch motor jam	
375	50/100 Clamp adjust motor jam	
376	Exit rotation motor jam	

High Capacity Stacker 1 (Upstream)

Code	Meaning	Display Code
380	Entrance path late jam	L1-5
381	Entrance path lag jam	L1-5
382	Proof tray exit late jam	L1-5
383	Proof tray exit lag jam	L1-5
384	Stacker tray exit late jam	L1-5, L
385	Stacker tray exit lag jam	L1-5, L
386	Paper relay path late jam	L1-5
387	Paper relay path lag jam	L1-5
388	Straight exit path late jam	L1-5
389	Straight exit path lag jam	L1-5
390	Shift Tray JG Motor	L1-5
391	Proof Tray JG Motor	L1-5
392	Shift Motor	L1-5, L
393	Main Jogger Front Fence Motor	L1-5, L
394	Main Jogger Rear Fence Motor	L1-5, L
395	Main Jogger Fence Retraction Motor	L1-5, L
396	Sub Jogger Motor	L1-5, L
397	LE Stopper Motor	L1-5, L
398	Tray Lift Motor	L1-5, L
399	Door open jam	L1-5
400	Main Machine Data Corrupt	L1-5
401	Non recognized paper stop jam	L1-5
402	Software internal error	L1-5

High Capacity Stacker 2 (Downstream)

Code		Meaning	Display Code	
405	Entrance path late jam	L1-5		
406	Entrance path lag jam	L1-5		
407	Proof tray exit late jam	L1-5		
408	Proof tray exit lag jam	L1-5		
409	Stacker tray exit late jam	L1-5, L		
410	Stacker tray exit lag jam	L1-5, L		
411	Paper relay path late jam	L1-5		
412	Paper relay path lag jam	L1-5		
413	Straight exit path late jam	L1-5		
414	Straight exit path lag jam	L1-5		

Code		Meaning	Display Code	
415	Shift Tray JG Motor	L1-5		
416	Proof Tray JG Motor	L1-5		
417	Shift Motor	L1-5, L		
418	Main Jogger Front Fence Motor	L1-5, L		
419	Main Jogger Rear Fence Motor	L1-5, L		
420	Main Jogger Fence Retraction Motor	L1-5, L		
421	Sub Jogger Motor	L1-5, L		
422	LE Stopper Motor	L1-5, L		
423	Tray Lift Motor	L1-5, L		
424	Door open jam	L1-5		
425	Main Machine Data Corrupt	L1-5		
426	Non recognized paper stop jam	L1-5		
427	Software internal error	L1-5		

Vacuum Feed LCIT RT5100

Code	**Meaning**	**Display Code**
430	1st Paper Feed Sensor late jam	U,U2
431	2nd Paper Feed Sensor late jam	U,U5
432	1st Transport Sensor late jam	U
433	2nd Transport Sensor late jam	U
434	1st Vertical Transport Sensor late jam	U
435	2nd Vertical Transport Sensor late jam	U
436	Bypass Vertical Transport Sensor 2 late jam	U8,V
437	LCIT Exit Sensor late jam	U
438	LCT Connect Entrance Sensor late jam	U11,U
439	LCT Connect Exit Sensor late jam	U11
440	Horizontal Transport Entrance Sensor late jam	UU11,U10
441	Horizontal Transport Middle Sensor late jam	U,U10
442	Horizontal Transport Exit Sensor late jam	U,U10
470	1st Paper Feed Sensor lag jam	U,U2
471	2nd Paper Feed Sensor lag jam	U,U5
472	1st Transport Sensor lag jam	U
473	2nd Transport Sensor lag jam	U
474	1st Vertical Transport Sensor lag jam	U
475	2nd Vertical Transport Sensor lag jam	U
476	Bypass Vertical Transport Sensor 2 lag jam	U8,V
477	LCIT Exit Sensor lag jam	U

478	LCT Connect Entrance Sensor lag jam	U11,U
479	LCT Connect Exit Sensor lag jam	U11
480	Horizontal Transport Entrance Sensor lag jam	UU11,U10
481	Horizontal Transport Middle Sensor lag jam	U,U10
482	Horizontal Transport Exit Sensor lag jam	U,U10

Vacuum Feed LCIT RT5100 (2nd)

Code	**Meaning**	**Display Code**
445	1st Paper Feed Sensor late jam	U,U2
446	2nd Paper Feed Sensor late jam	U,U5
447	1st Transport Sensor late jam	U
448	2nd Transport Sensor late jam	U
449	1st Vertical Transport Sensor late jam	U
450	2nd Vertical Transport Sensor late jam	U
451	-	-
452	LCIT Exit Sensor late jam late error	U
453	LCT Connect Entrance Sensor late error	U11,U
454	LCT Connect Exit Sensor late error	U,U11
455	Horizontal Transport Entrance Sensor late jam	U,U11,U10
456	Horizontal Transport Middle Sensor late jam	UU10
457	Horizontal Transport Exit Sensor late jam	U,U10
485	1st Paper Feed Sensor lag jam	U,U2
486	2nd Paper Feed Sensor lag jam	U,U5
487	1st Transport Sensor lag jam	U
488	2nd Transport Sensor lag jam	U
489	1st Vertical Transport Sensor lag jam	U
490	2nd Vertical Transport Sensor lag jam	U
491	-	-
492	LCIT Exit Sensor lag jam lag error	U
493	LCT Connect Entrance Sensor lag error	U11,U
494	LCT Connect Exit Sensor lag error	U, U11
495	Horizontal Transport Entrance Sensor lag jam	U,U11,U10
496	Horizontal Transport Middle Sensor lag jam	U,U10
497	Horizontal Transport Exit Sensor lag jam	U,U10

Paper Size Mismatch Codes

The paper size mismatch codes are listed in the tables below.

Paper sizes in the main scan and sub scan directions are units of 0.1 mm.

Size Code	Size Name	SEF/LEF	Main Scan	Sub Scan
132(84H)	A3	SEF	2970	4200
005(05H)	A4	LEF	2970	2100
133(85H)	A4	SEF	2100	2970
141(8DH)	B4	SEF	2570	3640
006(06H)	A5	LEF	2100	1480
134(86H)	A5	SEF	1480	2100
014(0EH)	B5	LEF	2570	1820
142(8EH)	B5	SEF	1820	2570
135(87H)	A6	SEF	1050	1480
143(8FH)	B6	SEF	1280	1820
160(A0H)	11”x17”(DLT)	SEF	2794	4318
164(A4H)	8 1/2”x14”(LG)	SEF	2159	3556
166(A6H)	8 1/2”x11”(LT)	SEF	2159	2794
038(26H)	8 1/2”x11”(LT)	LEF	2794	2159
172(ACH)	5 1/2”x8 1/2”(HLT)	SEF	1397	2159
175(AFH)	12”x18”	SEF	3048	4572
146(92H)	Postcard	SEF	1000	1480
017(11H)	Return postcard	LEF	2000	1480
145(91H)	Return postcard	SEF	1480	2000
113(71H)	EXP #2	LEF	1620	1140
241(F1H)	EXP #2	SEF	1140	1620
243(F3H)	Length #3	SEF	1200	2350
244(F4H)	Length #4	SEF	900	2050
242(F2H)	EXP #4	SEF	1050	2350
247(F7H)	Square #2	SEF	2400	3320

Fuses

RYB (Relay Board)

Fuse	Rating	If Fuse Blows at Power On
FU2	10A	SC590-04
FU3	10A	SC520-00
FU4	10A	SC590-02

AC Drive

Fuse	Rating	Part No.	Power To	If Fuse Blows
FU101	250V 5A	Ceramic tube 11071344	PSU-A	Machine does not start
FU402	250V 1A	Micro	Heater	Machine does not start, no power to heater
FU403	250V 5A	Ceramic tube 11071344	PSU-B	Machine freezes at “Please Wait”, does not boot, and then issues SC670-00.
FU404	250V 8A	Ceramic tube 11071346	PSU-C	Machine issues SC530-08, and then prompts the operator to close the open toner bottle cover.

PSU-A

Fuse	Rating	Part No.	Power To	If Fuse Blows
FU1	250V 5A	Micro	None	---

PSU-B

Fuse	Rating	Part No.	Power To	If Fuse Blows
FU1	250V 5A	Micro	RYB, IOB, DRB, EDRB	Machine issues SC621-00. Machine prompts user that the toner bottle is empty, toner bottle cover is open, or used toner bottle is almost full.
FU2	250V 5A	Micro	RYB,IOB	Freezes at “Please Wait”, and the machine issues SC670-00.
FU3	250V 10A	Glass tube 11071216	None	

Fuse	Rating	Part No.	Power To	If Fuse Blows
FU4	250V 10A	Glass tube 11071216	ADF	Machine starts normally, but ADF inoperable
FU5	250V 10A	Glass tube 11071216	SIO	Machine issues SC144, SC202-00

PSU-C

Fuse	Rating	Part No.	Power To	If Fuse Blows
FUS001	250V 8A	Glass tube 11071166	AC line	Machine freezes at “Please Wait”, does not boot
FUS002	S250V 2.5A	Micro	AC line	SC621-00, SC670-00, Toner out detects > No recovery if machine cycled off/on
FUS012	250V 6.3A	Micro	RYB,DRB	JAM001 detected, duplex unit not set error
FUS034	250V 6.3A	Micro	None	---
FU111	250V 2.63A	Micro	None	---
FU112	250V 6.3A	Micro	RYB,IOB	SC621-00, SC670-00, Toner out detects > No recovery if machine cycled off/on
FU113	250V 6.3A	Micro	None	---
FU114	250V 6.3A	Micro	None	---

LEDs

IOB

LED	Function	Meaning	
LED1	Monitors 24V	On	Conducting
		Off	Not Conducting
LED2	Monitors 5VL	On	Conducting
		Off	Not Conducting
LED3	Monitors 5V	On	Conducting
		Off	Not Conducting
LED4	Monitors 24VS	On	Conducting
		Off	Not Conducting
LED6	Monitors FPGA operation	Flash	Configuration end (FPGA user circuit operating)
		Off	Configuration not complete
		On	Abnormal (LED not operating)

BCU

LED	Function	Meaning	
LED1	Monitors CPU operation	Flash	On/Off at 0.5 sec. intervals. Normal operation or engine program download end.
		On	Abnormal operation, or engine program downloading.
		Off	Abnormal operation
		Flash	On/Off at 1.5 sec. intervals. Abnormal operation (watch dog reset generated)

SIO (Copier Model Only)

LED	Function	Meaning	
LED1	5V line scanner power on/off (SIO generated)	On	Conducting
		Off	Off: No Conducting

ADF (Copier Model Only)

LED	Function	Meaning	
LED1 (Green)	Monitors CPU operation	Flash	On/Off 1 sec. intervals, operating normally
		Flash	On/Off 0.3 sec. intervals, abnormal operation (jam)
		On	With LED2 on (orange), CPU reset
		Off	No conduction
LED2 (Orange)	Monitors CPU operation	On	With LED1 on (green), CPU reset

LED	Function	Meaning	
		Off	Normal operation, or no conduction

IPU

LED	Function	Meaning	
LED3 (Green)	Monitors 3.3 V line	On	Conducting
		Off	No conduction

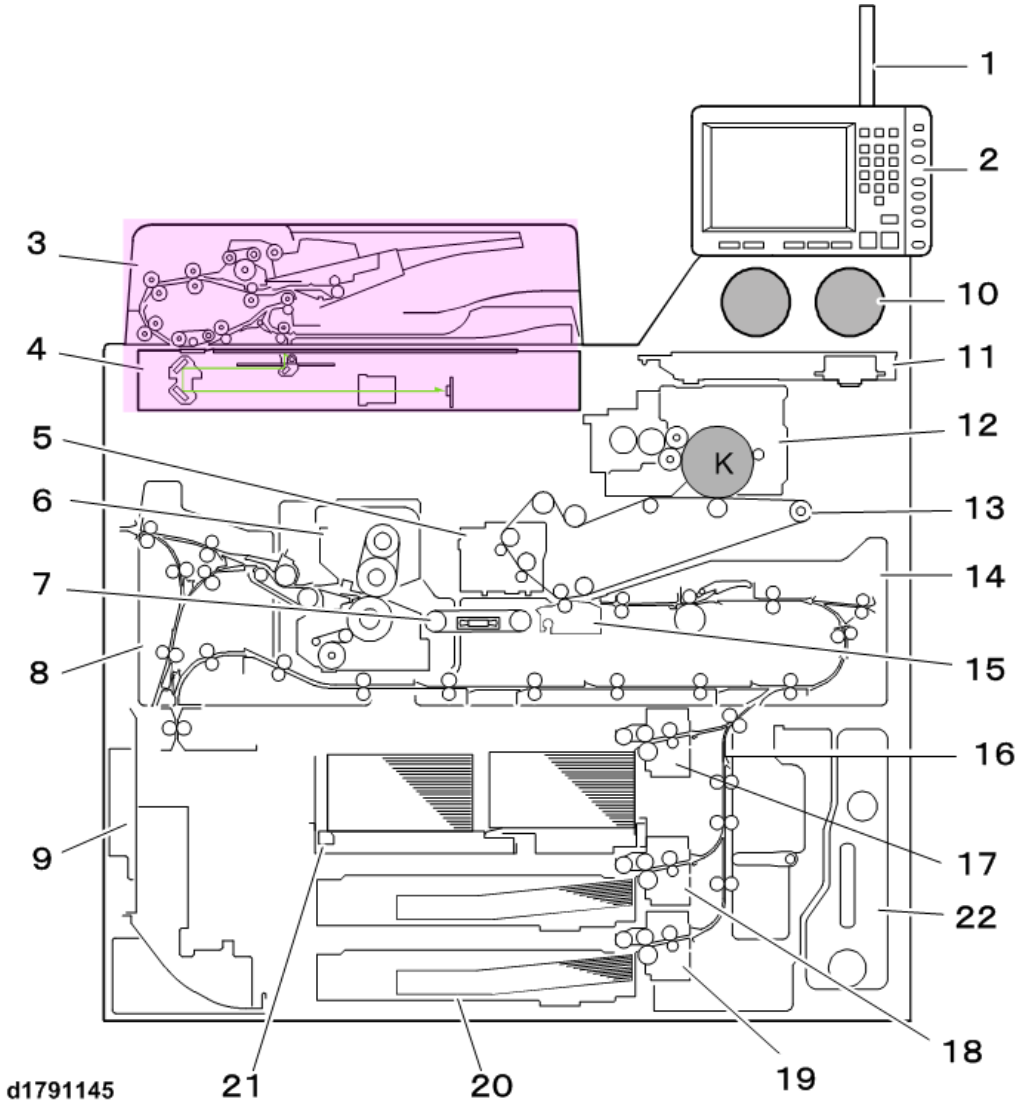
7. Detailed Description

Overview

General Layout

Important

- The shaded areas of the drawing are for the copier version only.



No.	Name	No.	Name
1	Status Light	12	PCDU
2	Operation Panel	13	ITB Unit
3	ADF	14	Registration Unit (Main Path)
4	Scanner	15	PTR Unit (Paper Transfer Roller)
5	ITB Cleaning Unit	16	Vertical Transfer Unit (VTU)
6	Fusing Unit	17	Tray 1 (FM 1)

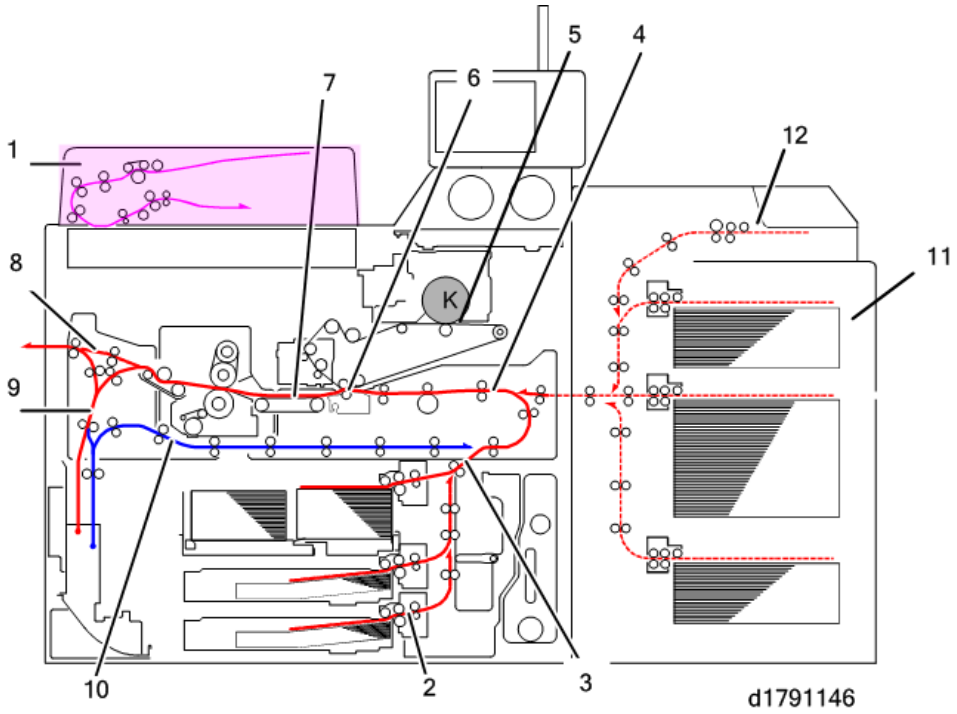
No.	Name	No.	Name
7	PTB (Paper Transport Belt)	18	Tray 2 (FM 2)
8	Invert/Exit Unit	19	Tray 3 (FM 3)
9	Purge Path	20	Universal Trays (x2)
10	Toner Supply Unit	21	Tandem Tray
11	Laser Unit	22	Used Toner Bottle

Paper Paths

Main Unit, LCIT

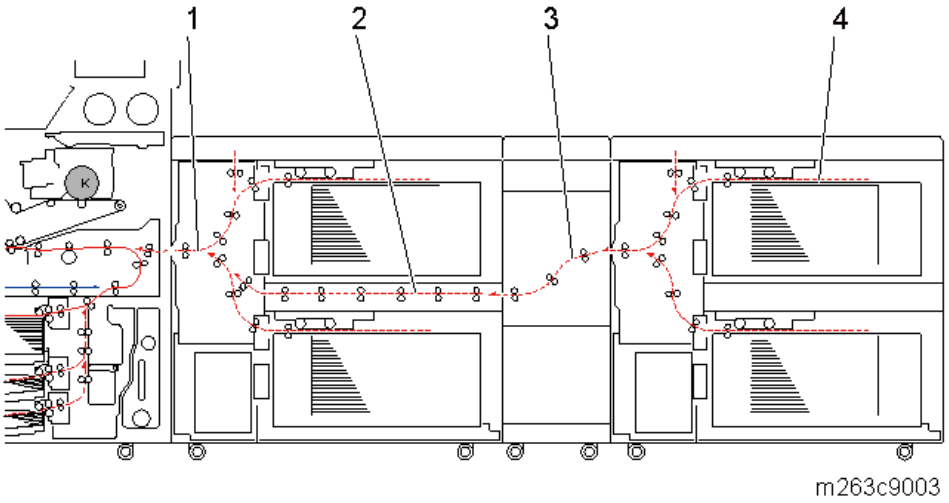
Important

- The shaded areas of the drawing are for the copier version only.



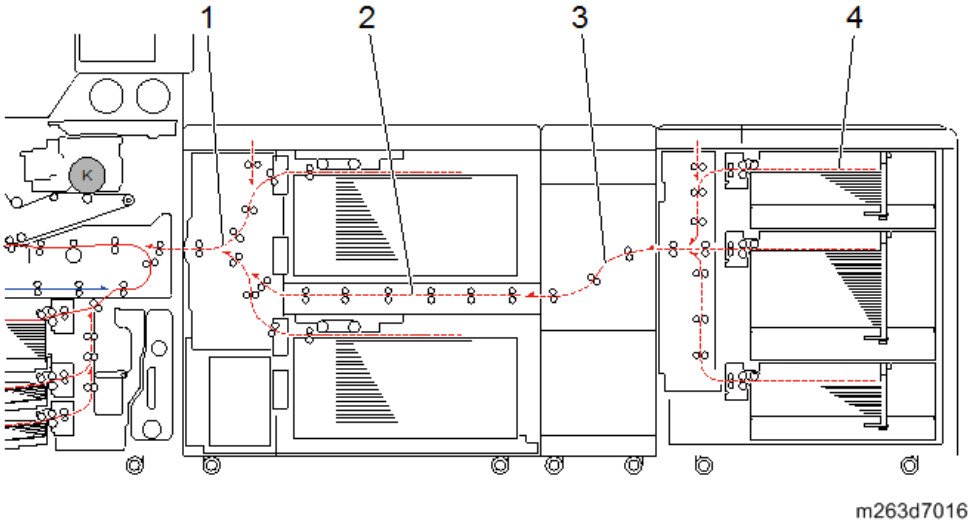
No.	Name	No.	Name
1	ADF	7	Paper Transport Belt
2	Paper Bank	8	Straight-through Path Exit
3	Vertical Transport Unit	9	Invert Exit
4	Registration Unit	10	Duplex Return Path
5	ITB Unit (Image Transfer)	11	LCIT (Option)
6	PTR Unit (Paper Transfer)	12	Multi Bypass Tray (Option)

Main Unit + Vacuum Feed LCIT RT5100 + Vacuum Feed LCIT RT5100



No.	Name
1	Vacuum Feed LCIT RT5100
2	LCIT Straight-through Path
3	Bridge Unit Path
4	Vacuum Feed LCIT RT5100

Main Unit + Vacuum Feed LCIT 5100 + LCIT RT5080



No.	Name
1	Vacuum Feed LCIT RT5100
2	LCIT Straight-through Path
3	Bridge Unit Path
4	Vacuum Feed LCIT RT5080

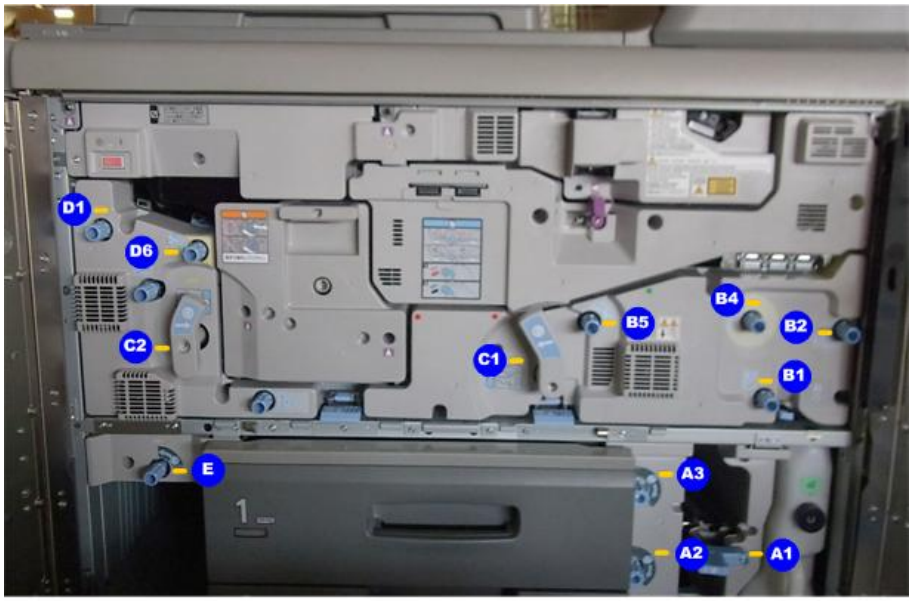
Paper Path LEDs

Twelve new Jam LEDs are provided on the left and right drawer covers. An LED lights if a jam occurs at its location. This makes it much easier to locate and remove sheets that jam in the paper path by manually rotating

the jam removal knobs.

Note

At this time only 8 LEDs are used: A2, A3, B1, B2, D1, E, C1, C2.

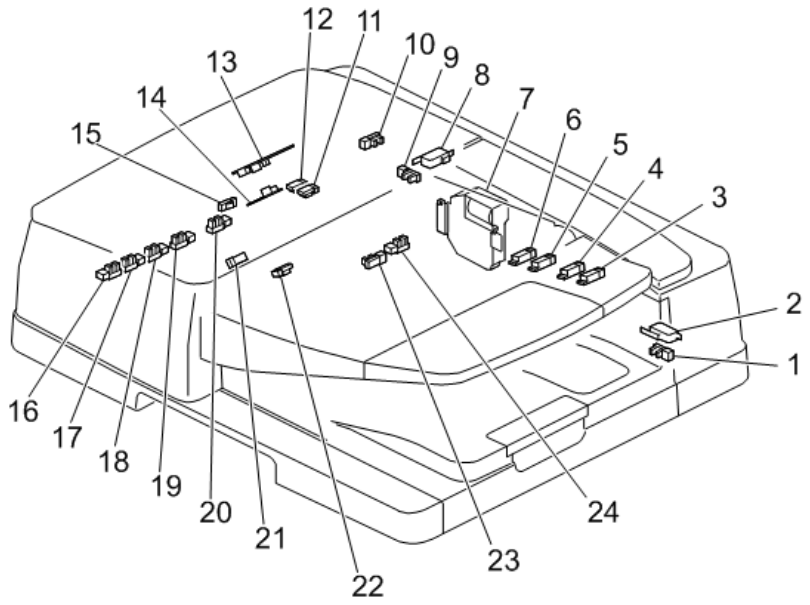


d270b0029

No.	Area	LED
1	Vertical Paper Path	A2, A3, A1
2	Main Paper Path	B5, B4, B2, B1
3	Exit/Invert Path	D1, D6
4	Paper Purge Tray	E
5	Drawer Operation Lever	C1, C2

Electrical Component Layout

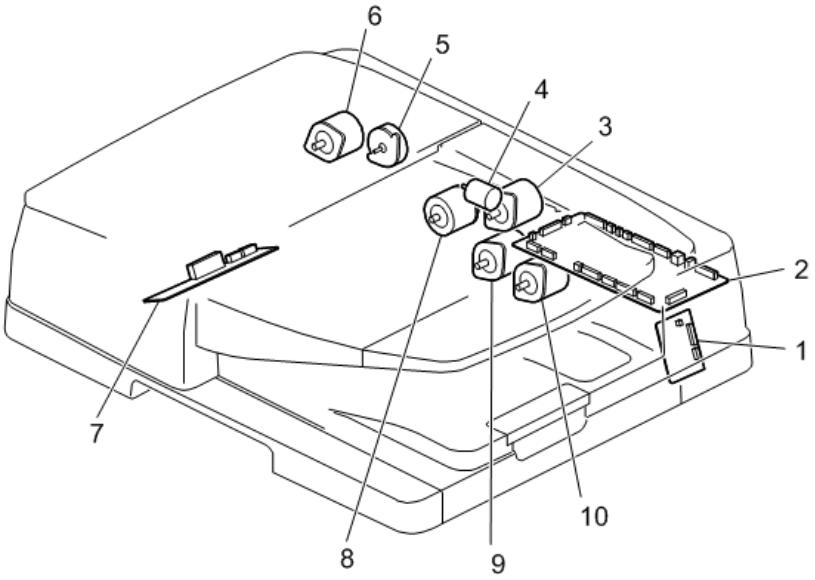
ADF (Copier Only)



d1797901

No.	Name	No.	Name
1	Lift Sensor	13	Double-feed Sensor: Receptor*1
2	Lift Interlock Switch	14	Double-feed Sensor: Emitter*1
3	Original Length Sensor (LG)	15	Scan Entrance Sensor
4	Original Length Sensor (A4)	16	Original Width Sensor 5
5	Original Length Sensor (B5)	17	Original Width Sensor 4
6	Original Length Sensor (A4/LT LEF)	18	Original Width Sensor 3
7	Bottom Plate Lift Motor	19	Original Width Sensor 2
8	Feed Cover Open Sensor	20	Original Width Sensor 1
9	Bottom Plate Position Sensor	21	Registration Sensor
10	Pickup Roller HP Sensor	22	Exit Sensor
11	Separation Sensor	23	Bottom Plate HP Sensor
12	Skew Correction Sensor	24	Original Set Sensor

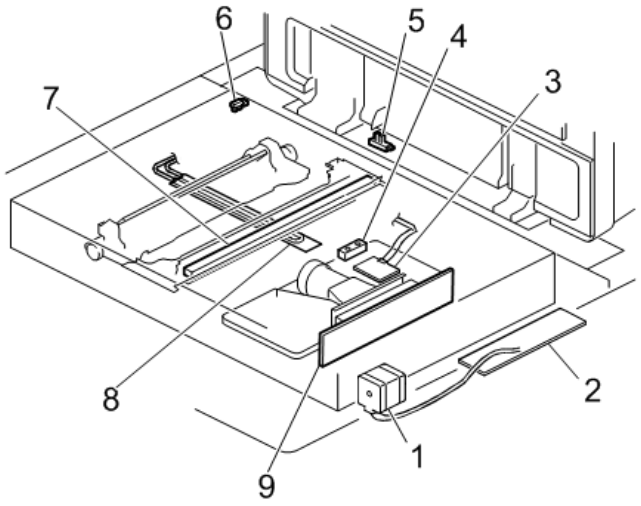
*1 These sensors installed with the optional Double-Feed Kit S7.



d1797902

No.	Name	No.	Name
1	URB	6	Relay Motor
2	ADF Control Board	7	CIS
3	Feed Motor	8	Pickup Roller Lift Motor
4	Tray Lift Motor	9	Scan Motor
5	Grip Motor	10	Exit Motor

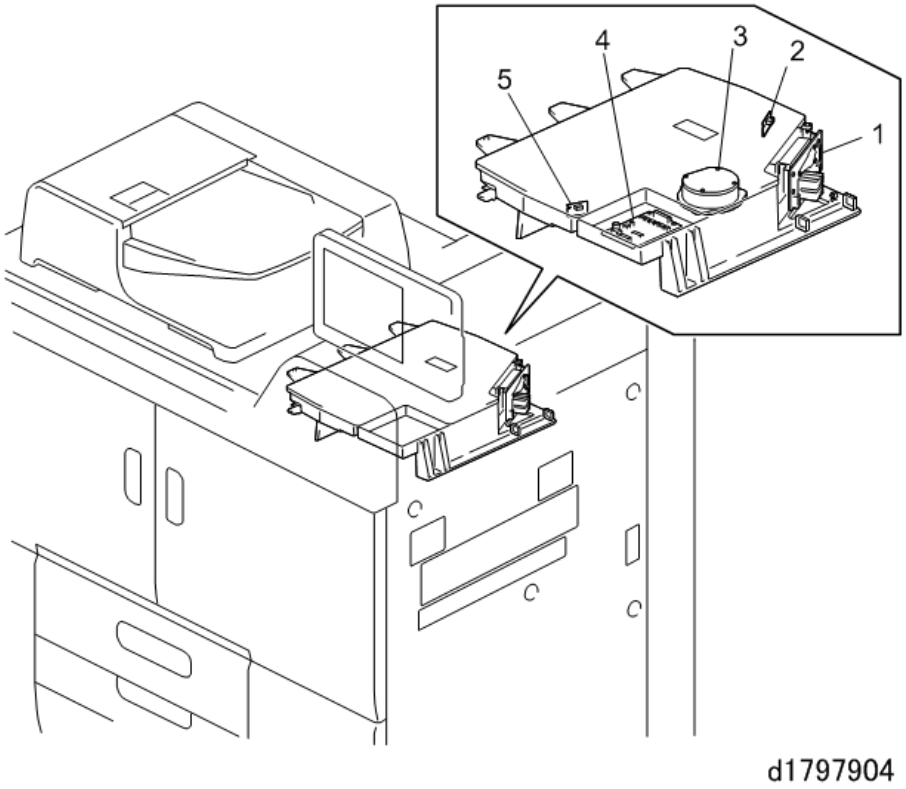
Scanner (Copier Only)



d1797903j

No.	Name	No.	Name
1	Scanner Motor	6	Scanner HP Sensor
2	SIOB	7	Exposure Lamp (LED)
3	IDB	8	Anti-Condensation Heater
4	APS Sensor	9	SBU
5	Feed Cover Open Sensor	-	

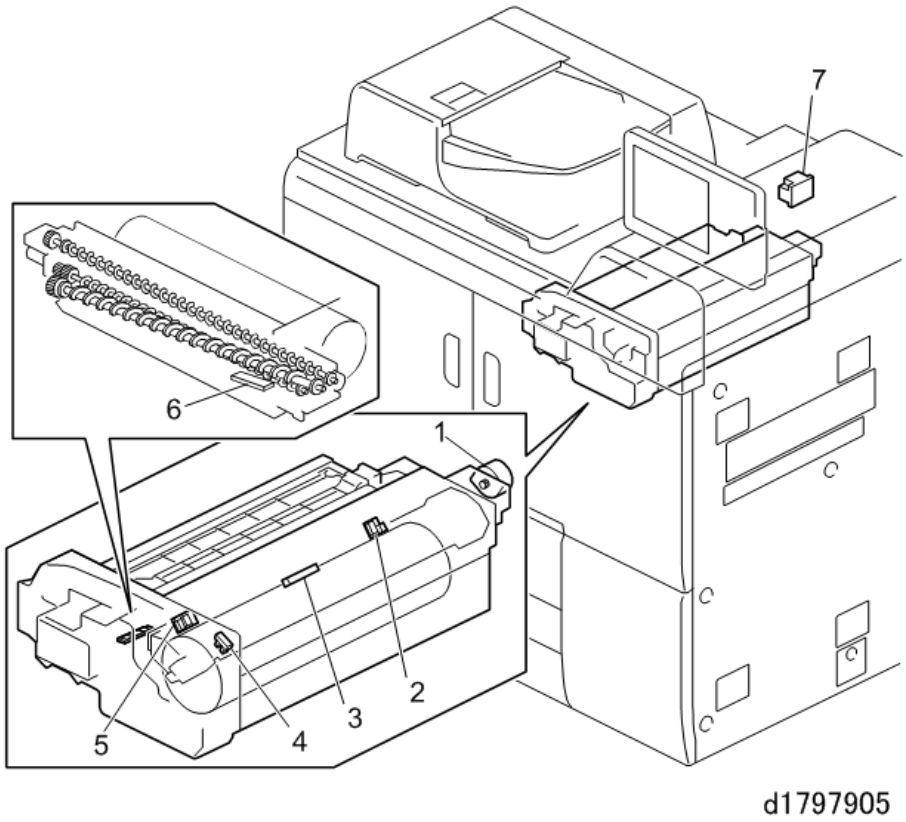
Laser Unit



d1797904

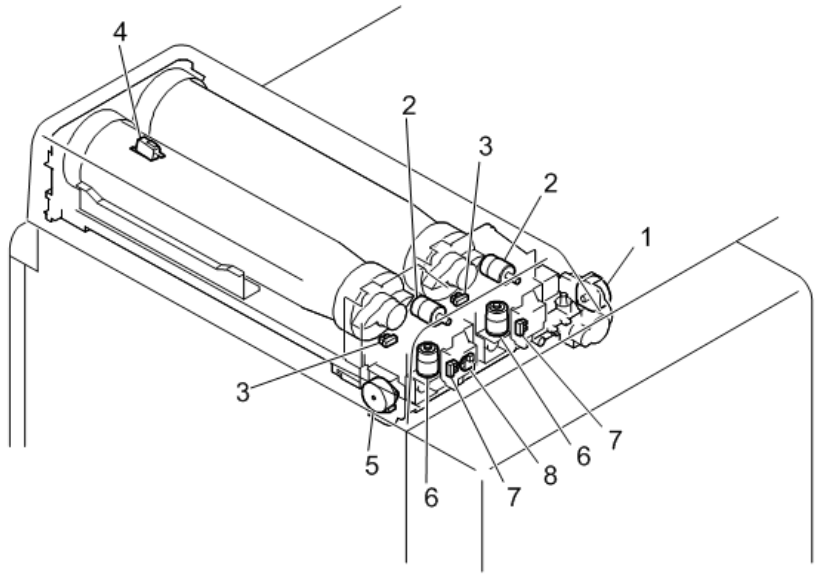
No.	Name	No.	Name
1	LD Control Board	4	Polygon Motor PCB
2	Synchronizing Detector Board (TE)	5	Synchronizing Detector Board (LE)
3	Polygon Motor	-	

Around the Drum



No.	Name	No.	Name
1	Charge Wire Cleaner Motor	5	Quenching Lamp
2	Lubricant End Sensor	6	PCDU Temperature/Humidity Sensor
3	Potential Sensor	7	TD Sensor
4	Cleaning Pad HP Sensor	-	

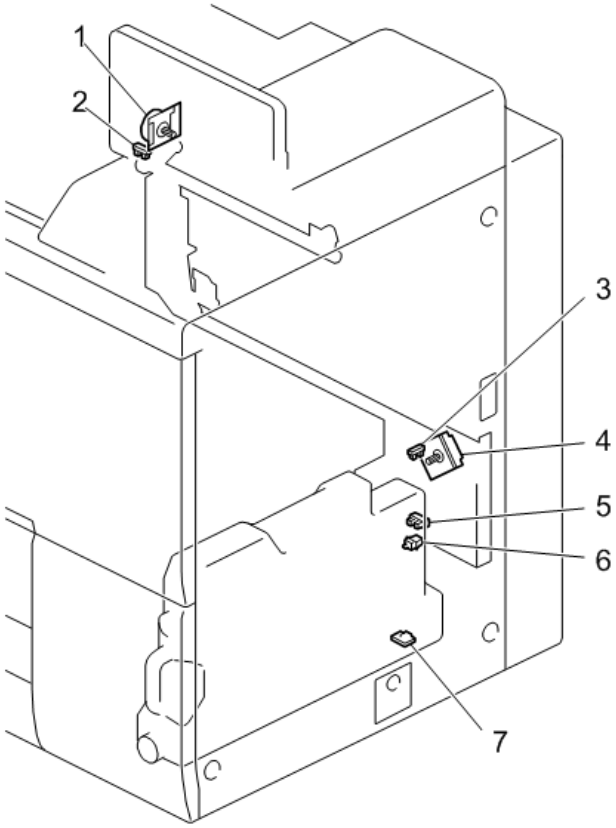
Toner Supply Unit



d1797906

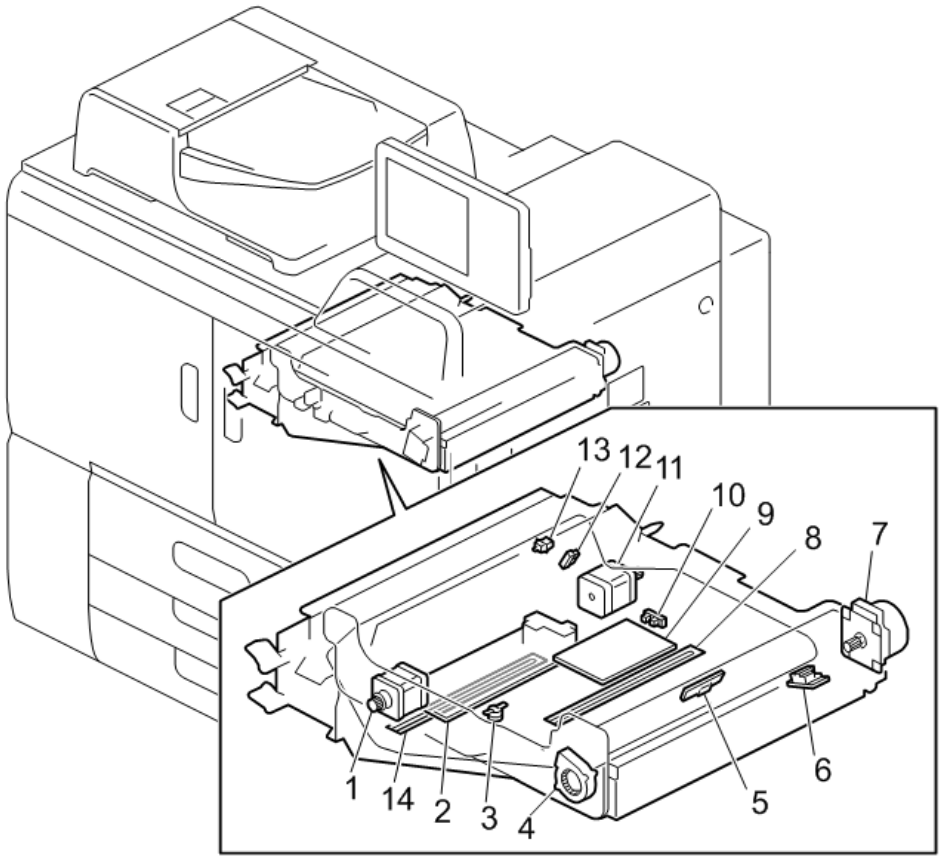
No.	Name	No.	Name
1	Toner Feed Motor	5	Toner Agitator Motor
2	Bottle Cap Motors (Left/Right)	6	Bottle Motors (Left/Right)
3	Bottle Set Sensors	7	Bottle Cap Sensors (Left/Right)
4	Interlock Switch	8	Toner End Sensor

Toner Collection Unit



No.	Name	No.	Name
1	Used Toner Collection Motor	5	Bottle Near Full Sensor
2	Lock Sensor	6	Bottle Set Switch
3	Bottle Full Sensor	7	Temperature/Humidity Sensor
4	Bottle Motor	-	

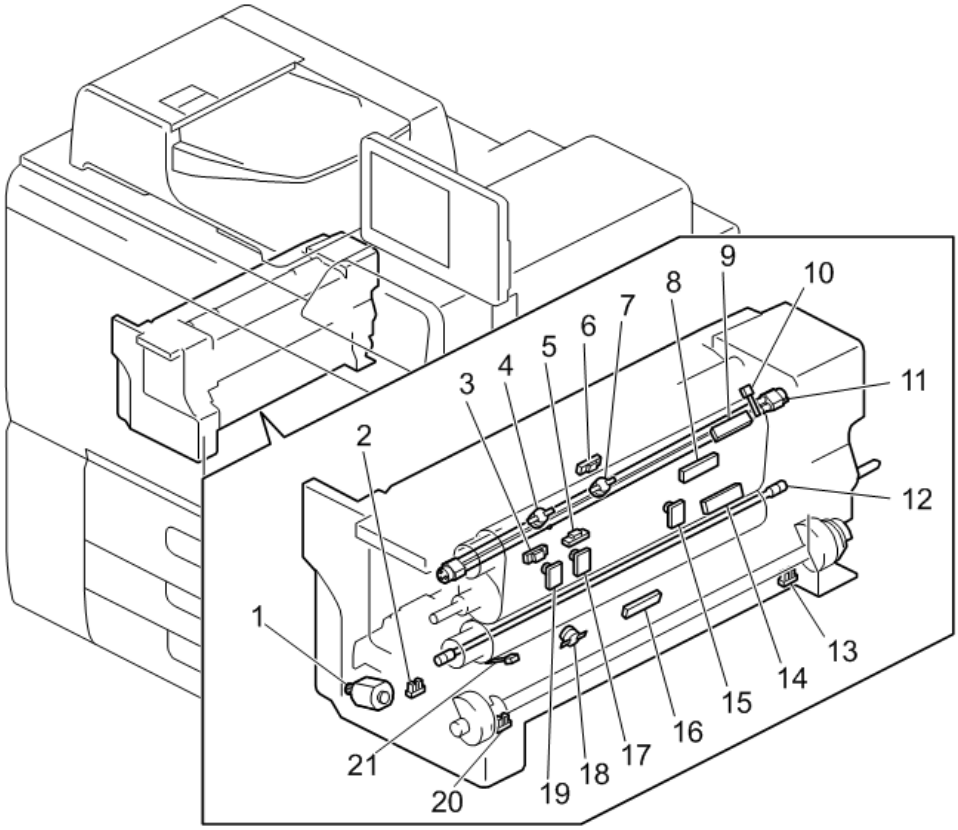
ITB Unit



d270d7002

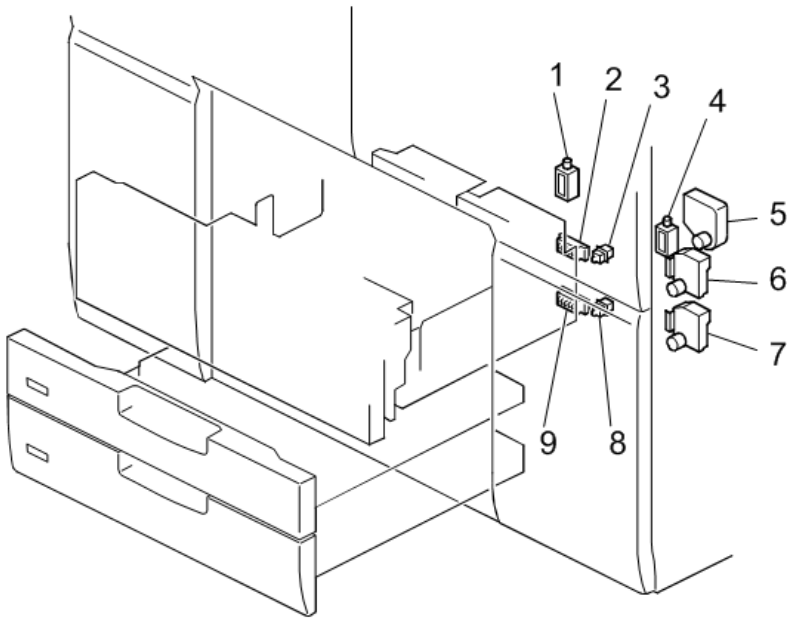
No.	Name	No.	Name
1	PTR Separation Motor	8	Transfer Roller Heater
2	Transfer Power Pack	9	TDRB
3	Thermostat	10	PTR Separation Sensor
4	ID Sensor Fan	11	Belt Centering Motor
5	ID Sensor	12	Belt Centering Roller HP Sensor
6	Belt Centering Sensor	13	Cleaning Unit Set Switch
7	Transport Belt Motor	14	Bias Roller Heater

Fusing Unit



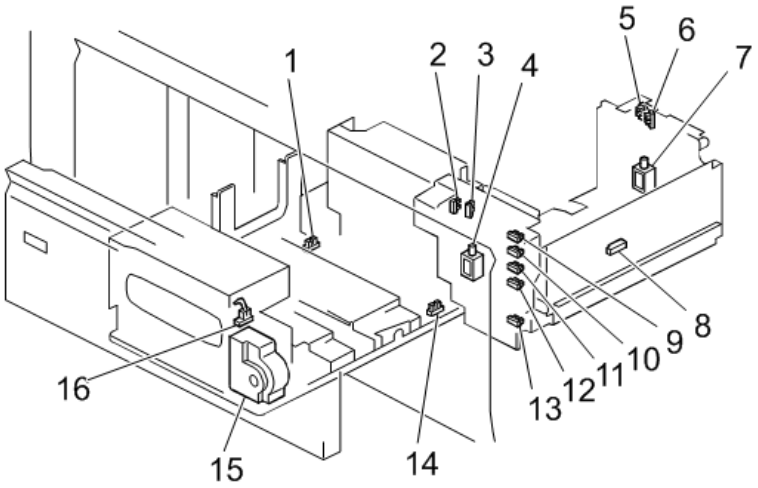
d270d7003

No.	Name	No.	Name
1	Web Motor	12	Pressure Roller Fusing Lamp (800W)
2	Web End Sensor	13	Pressure Roller Lift Sensor
3	Fusing Unit Exit Sensor	14	Fusing Temperature NC Sensor (Hot Roller Center)
4	Heating Roller Thermostat (End)	15	Thermopile (Heating Roller Front)
5	Pressure Roller Paper Sensor	16	Fusing Temperature Sensor (Pressure Roller)
6	Fusing Belt Paper Sensor	17	Thermopile (Heating Roller Center)
7	Heating Roller Thermostat (Center)	18	Pressure Roller Thermostat
8	Fusing Temperature Sensor (Heating Roller Center)	19	Thermopile (Heating Roller Front)
9	Fusing Temperature Sensor (Heating Roller End)	20	Pressure Roller Cam HP Sensor
10	Heating Roller Thermistor (Rear)	21	Pressure Roller Thermistor
11	Fusing Lamps (1020W) x3		



d1797916

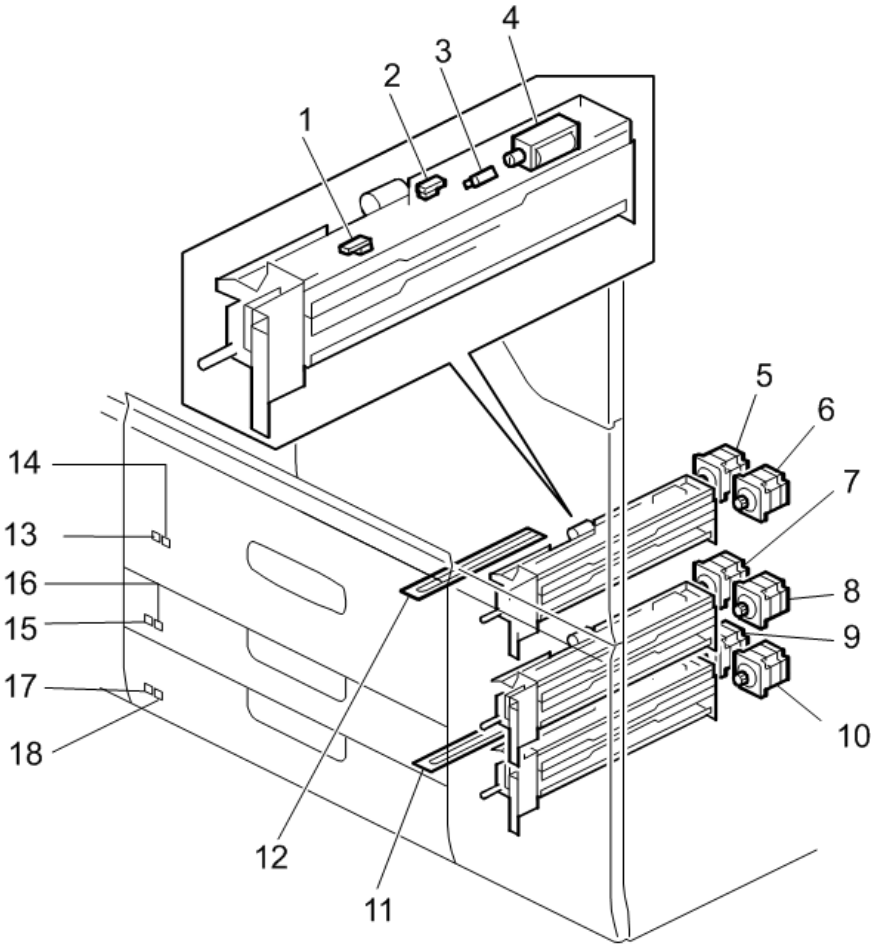
No.	Name	No.	Name
1	Left Tray Lock Solenoid	6	Tray Lift Motor (Tray 2)
2	Tray 2 Paper Size Sensor	7	Tray Lift Motor (Tray 3)
3	Tray 2 Set Switch	8	Tray 3 Paper Size Sensor
4	Lock Release Solenoid	9	Tray 3 Set Switch
5	Tray Lift Motor (Tray 1)	-	



d1797917

No.	Name	No.	Name
1	Rear Fence HP Sensor	9	Paper Height Sensor 1
2	Rear Fence Closed Sensor (Front)	10	Paper Height Sensor 2

No.	Name	No.	Name
3	Rear Fence Open Sensor (Front)	11	Paper Height Sensor 3
4	Side Fence Solenoid (Front)	12	Paper Height Sensor 4
5	Rear Fence Closed Sensor (Rear)	13	Lower Limit Sensor
6	Rear Fence Open Sensor (Rear)	14	Left Tray Paper End Sensor
7	Rear Fence Closed Solenoid (Rear)	15	Rear Fence Motor
8	Paper End Sensor (Right Tray)	16	Left Tray Paper End Sensor

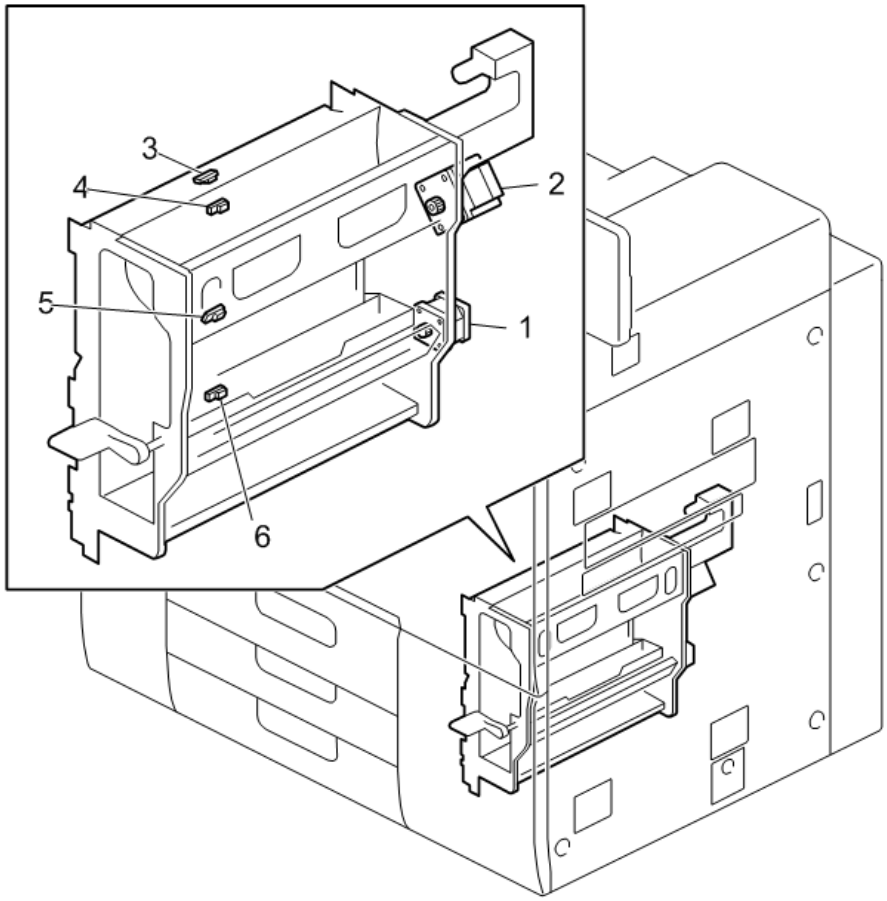


d1797918

No.	Name	No.	Name
1	Paper Feed Sensor (Tray 1, 2, 3)	10	3rd Grip Motor
2	Paper End Sensor (Tray 1, 2, 3)	11	Lower Tray Heater
3	Pickup Roller Lift Sensor (Tray 1, 2, 3)	12	Upper Tray Heater
4	Pickup Roller Solenoid (Tray 1, 2, 3)	13	Tray 1 LED 1
5	1st Paper Feed Motor	14	Tray 1 LED 2
6	1st Grip Motor	15	Tray 2 LED 1
7	2nd Paper Feed Motor	16	Tray 2 LED 2
8	2nd Grip Motor	17	Tray 3 LED 1

No.	Name	No.	Name
9	3rd Paper Feed Motor	18	Tray 3 LED 2

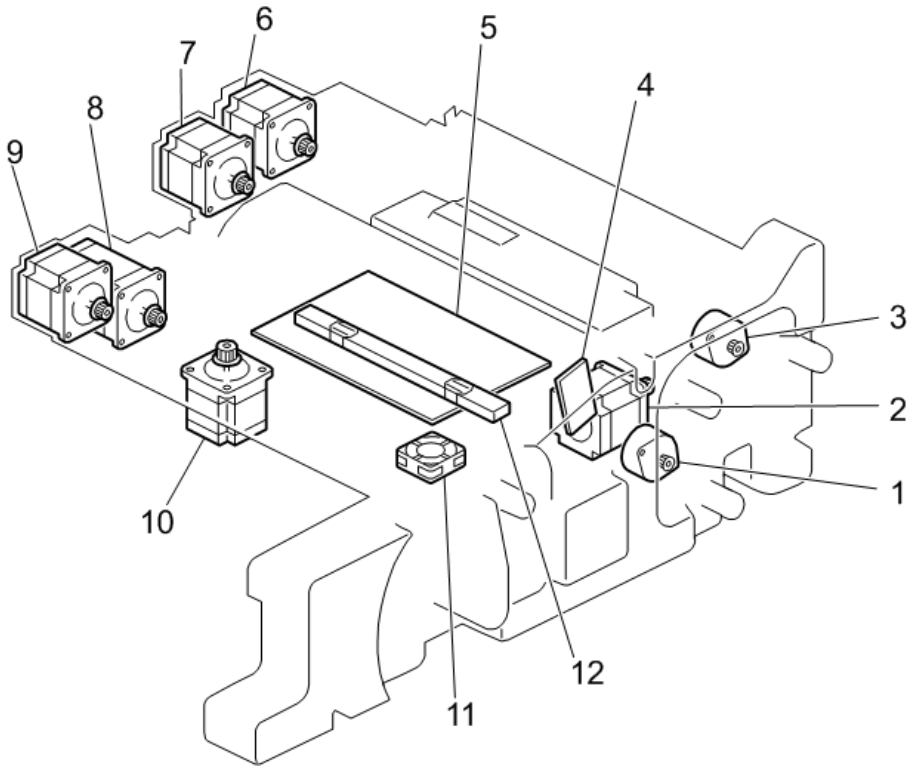
Vertical Transport Unit



d1797910

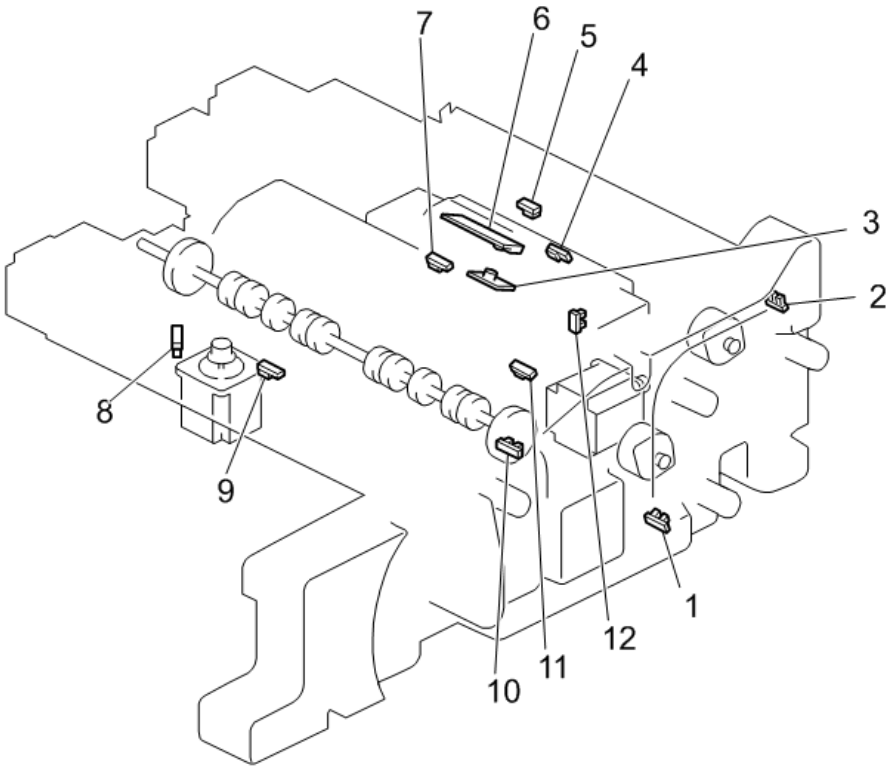
No.	Name	No.	Name
1	Vertical Transport Motor	4	Vertical Transport Sensor
2	Bank Exit Motor	5	2nd Transport Sensor
3	Transport Sensor	6	3rd Transport Sensor

Registration Unit (Main Paper Path)



d1797920

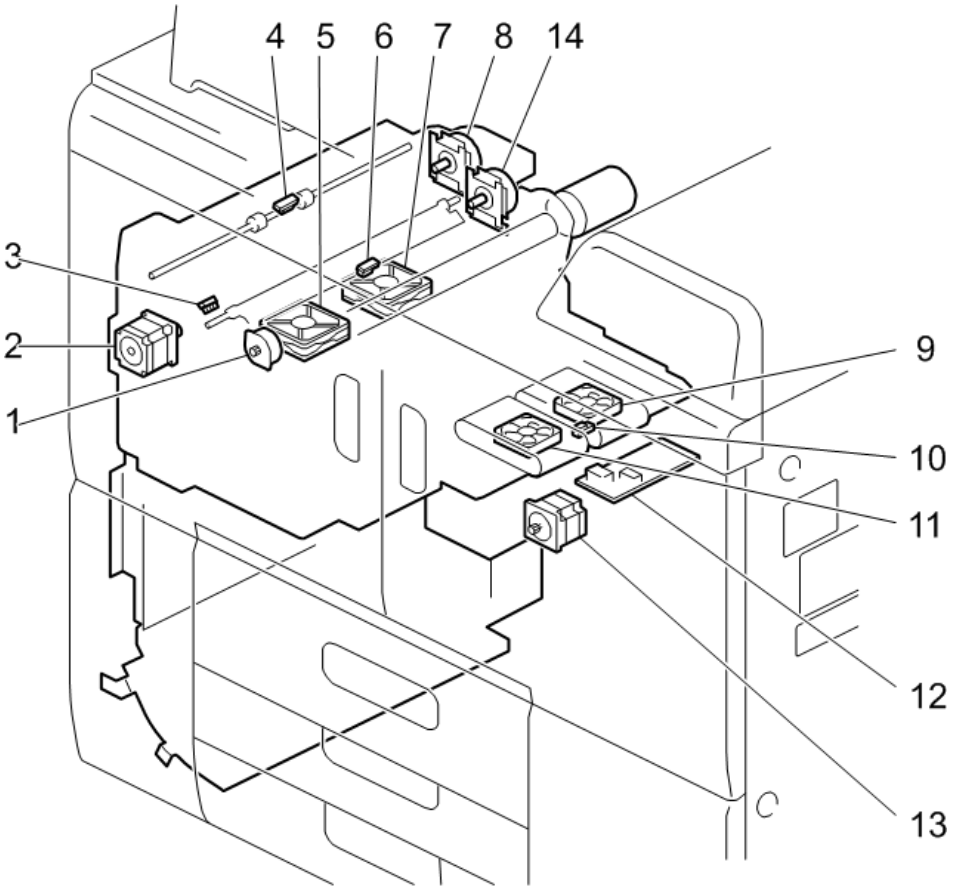
No.	Name	No.	Name
1	Main Relay Motor	7	Registration Timing Motor
2	Registration Shift Motor (TE)	8	Registration Gate Motor
3	LCT Relay Separation Motor	9	Transfer Timing Motor
4	CRB	10	Registration Shift Motor (LE)
5	DRB	11	CIS Cleaning Fan
6	Registration Entrance Motor	12	CIS



d1797921

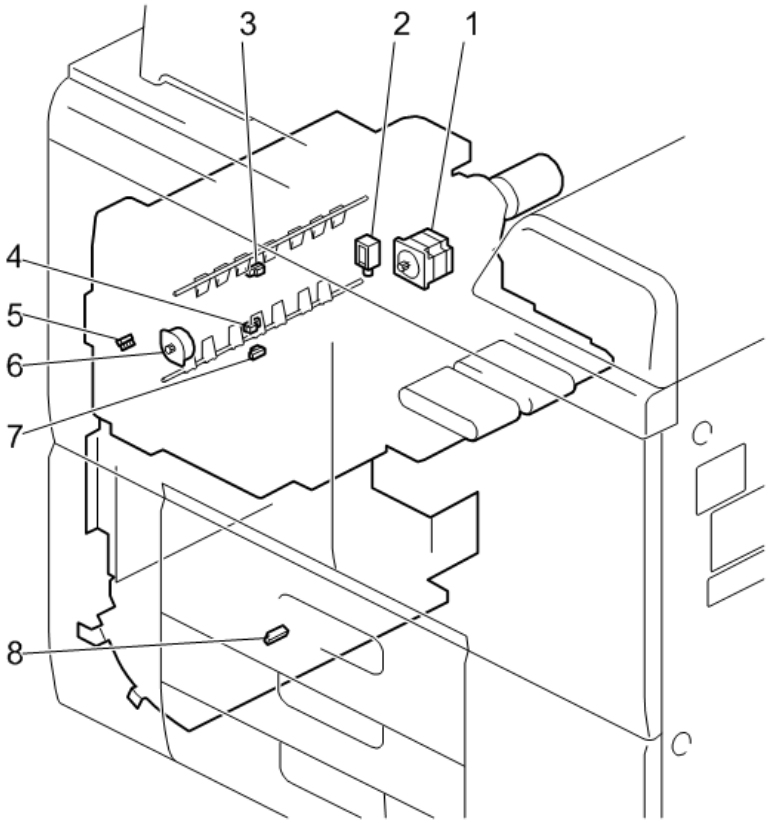
No.	Name	No.	Name
1	Main Unit Separation Sensor	7	Registration Timing Sensor
2	Transport Roller Separation Sensor	8	Shift Unit HP Sensor (LE)
3	Double-feed Sensor (Emitter)	9	Transfer Timing Sensor
4	Registration Entrance Sensor	10	Registration Shift HP Sensor
5	LCT Relay Sensor	11	Main Relay Separation Sensor
6	Double-feed Sensor (Receptor)	12	Shift Unit HP Sensor (TE)

Invert, Exit, Duplex Unit



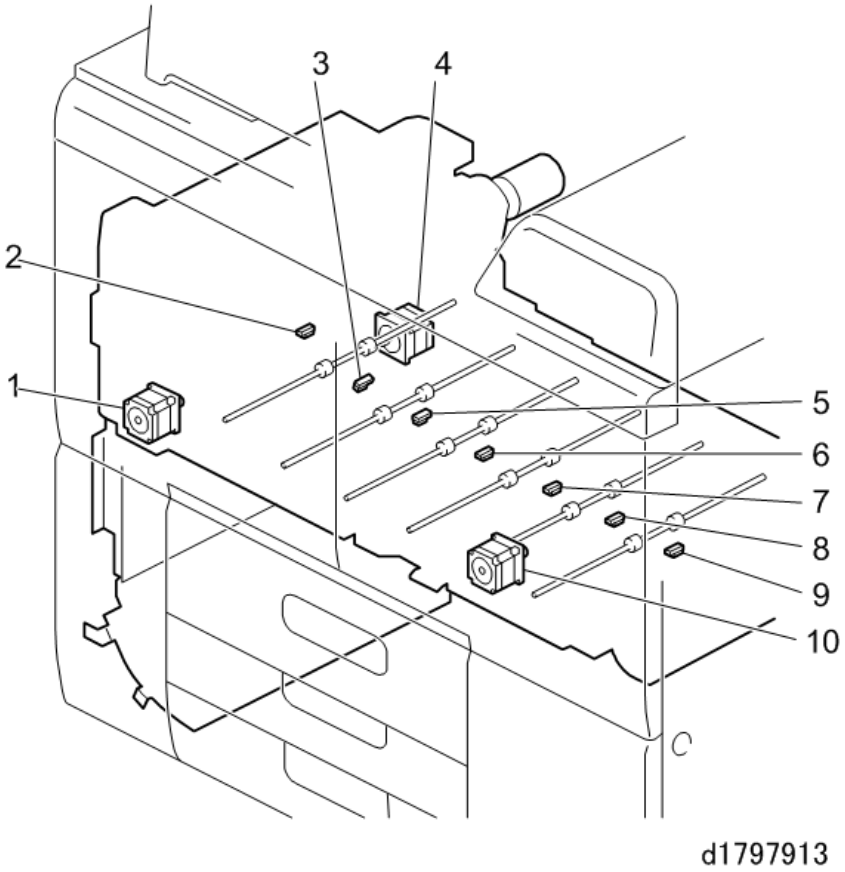
d270d7004

No.	Name	No.	Name
1	Exit Junction Gate Motor	8	Exit Motor
2	Invert Entrance Motor	9	Paper Transport Fan (Rear)
3	Exit Junction Gate HP Sensor	10	PTB Sensor
4	Exit Sensor	11	Paper Transport Fan (Front)
5	Duplex Fan (Front)	12	Separation Power Pack
6	Exit Junction Gate Sensor	13	PTB Motor
7	Duplex Fan (Rear)	14	Heat Pipe Motor



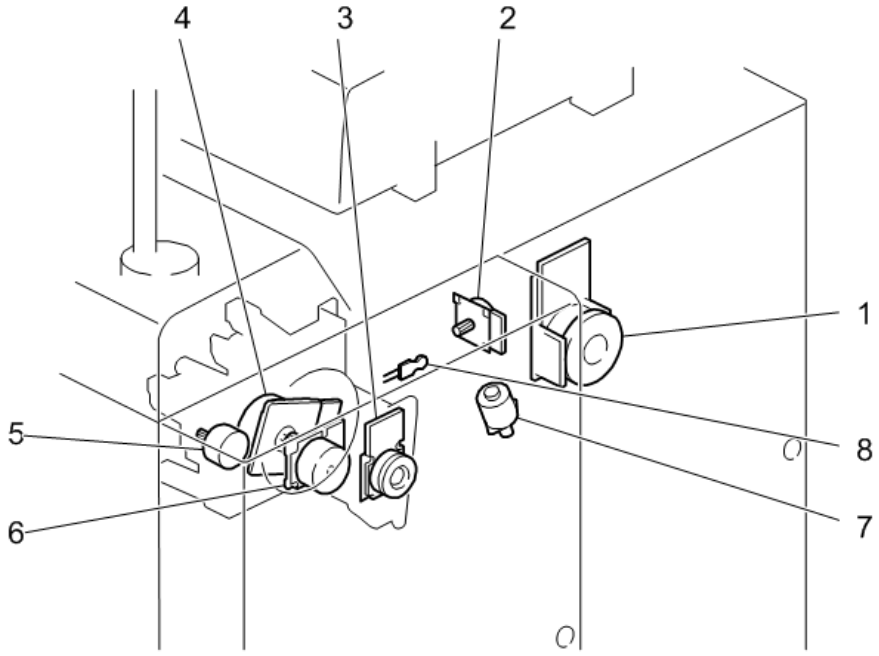
d1797912

No.	Name	No.	Name
1	Exit/Invert Motor	5	Exit/Invert Separation Sensor
2	Invert Junction Gate Solenoid	6	Exit/Invert Separation Motor
3	Exit/Invert Sensor	7	Duplex/Invert Sensor
4	Purge Relay Sensor	8	Purged Paper Sensor



No.	Name	No.	Name
1	Duplex Transport Motor 1	6	Duplex Transport Sensor 4
2	Duplex Transport Sensor 1	7	Duplex Transport Sensor 5
3	Duplex Transport Sensor 2	8	Duplex Transport Sensor 6
4	Duplex/Invert Motor	9	Duplex Exit Sensor
5	Duplex Transport Sensor 3	10	Duplex Transport Motor 2

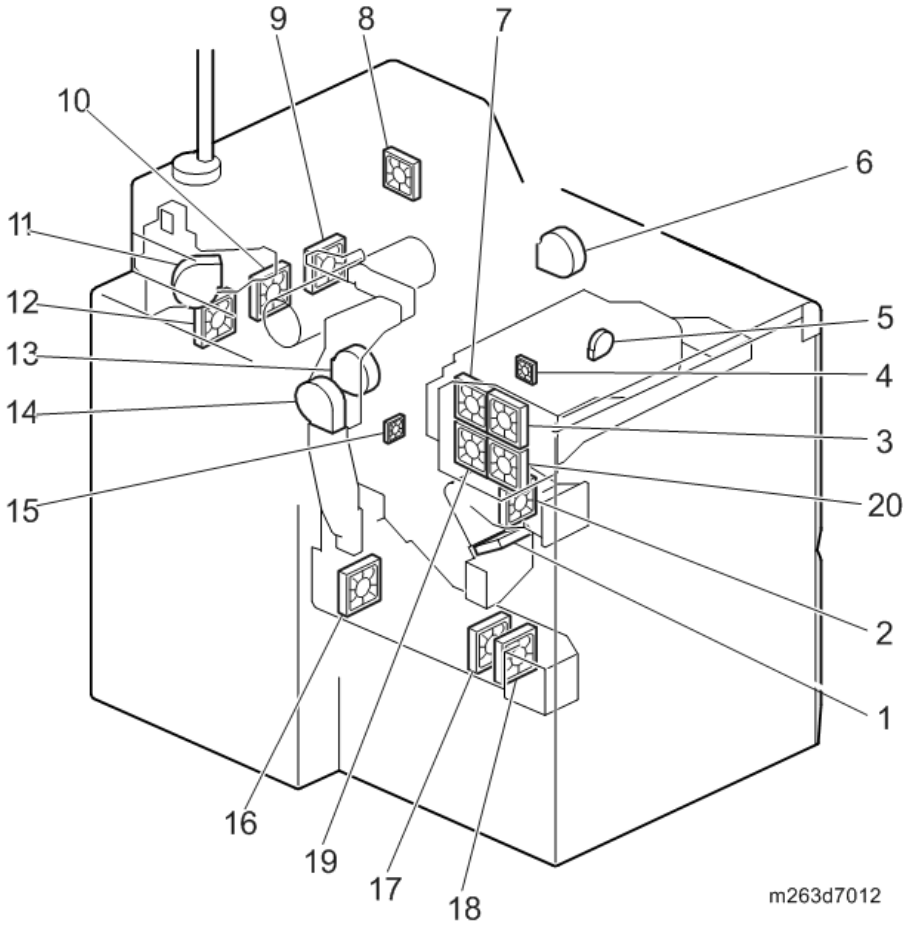
Main Drive Motors



d270d7007

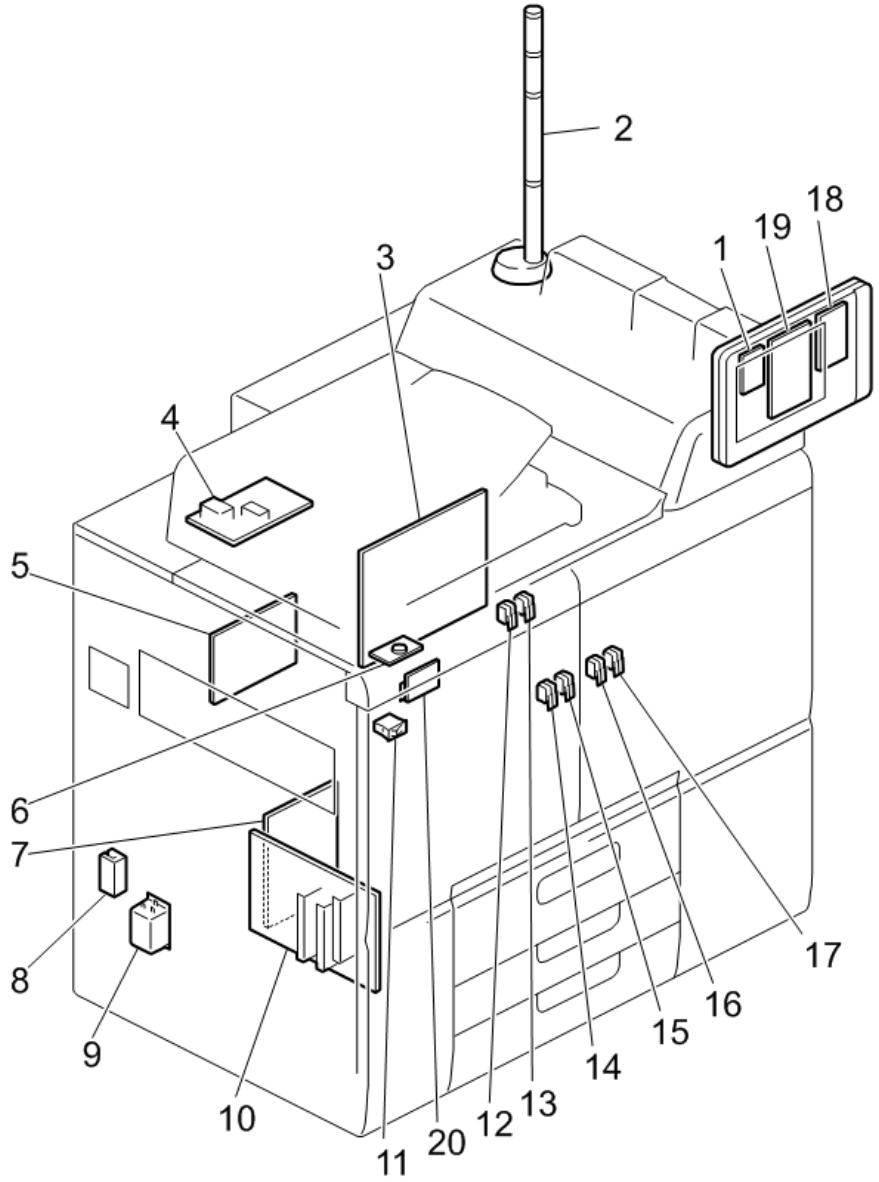
No.	Name	No.	Name
1	Fusing Motor	5	Drum Cleaning Motor
2	Used Toner Transport Motor	6	Drum Motor
3	ITB Motor	7	Pressure Roller Lift Motor
4	Development Motor	8	Main Machine Thermistor

Fans



No.	Name	No.	Name
1	HP Cooling Suction Fan	11	Ozone Air Intake Fan
2	HP Cooling Exhaust Fan	12	Right Air Intake Fan: Rear
3	Fusing Air Intake Fan: Lower Left	13	Development Unit Cooling Fan: Rear
4	Belt Cooling Fan	14	Ozone Air Exhaust Fan
5	ID Sensor Cooling Fan	15	CIS Cooling Fan
6	Development Unit Cooling Fan: Front	16	Fusing Transport Exhaust Fan
7	Fusing Air Intake Fan: Lower Right	17	Fusing Exhaust Fan: Upper
8	Laser Unit Cooling Fan	18	Fusing Exhaust Fan: Lower
9	Right Air Intake Fan: Front	19	Paper Exit Exhaust Fan: Lower Right
10	Right Air Intake Fan: Center	20	Paper Exit Exhaust Fan: Lower Left

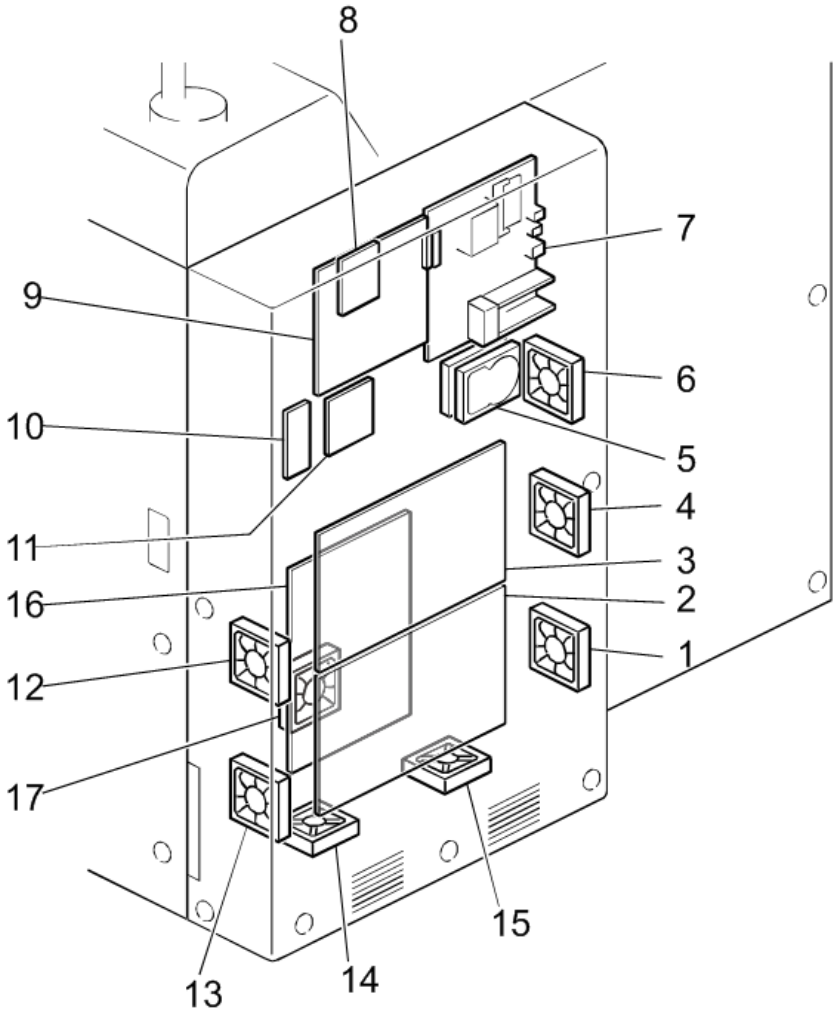
Boards



d270d7005

No.	Name	No.	Name
1	LCDC	11	Main Power Switch
2	Attention Light	12	Interlock Switch (Front Left)
3	IOB	13	Interlock Switch (Front Right)
4	CGB Power Pack	14	Interlock Switch - Left Door 1
5	EDRB	15	Interlock Switch - Left Door 2
6	Power Switch	16	Interlock Switch - Right Door 1
7	RYB	17	Interlock Switch - Right Door 2
8	Breaker Switch	18	SD/USB
9	Noise Filter	19	OPU
10	AC Drive Board	20	SDCB

Controller Box Fans



d270d7006

No.	Name	No.	Name
1	PSU Air Exhaust Fan: M2 Left	10	CNB (Control Board)
2	PSU-A	11	BCU
3	PSU-B	12	PSU Air Exhaust Fan: M1 Right
4	PSU Air Exhaust Fan: M1 Left	13	PSU Air Exhaust Fan: M2 Left
5	HDD	14	PSU Cooling Fan: T Right
6	Control Board Air Intake Fan	15	PSU Cooling Fan: T Left
7	Control Board	16	PSU-C
8	IPU Sub (Copier Only)	17	PSU-C Cooling Fan
9	IPU	-	

New Features

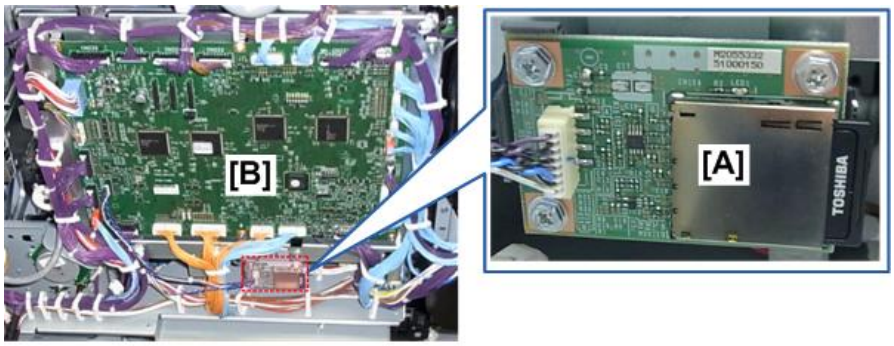
This machine series succeeds the previous copier/printer series:

Previous Series	New Series
Copier	
Pro 8100EX (95 ppm)	Pro 8200EX (96 ppm)
Pro 8100S (95 ppm)	Pro 8200S (96 ppm)
Pro 8100S (110 ppm)	Pro 8219S (111 ppm)
Pro 8120S (135 ppm)	Pro 8220S (136 ppm)
Printer	
Pro 8100 (110 ppm)	Pro 8210 (111 ppm)
Pro 8120 (135 ppm)	Pro 8220 (136 ppm)

This section describes the new features.

SDCB Below IOB

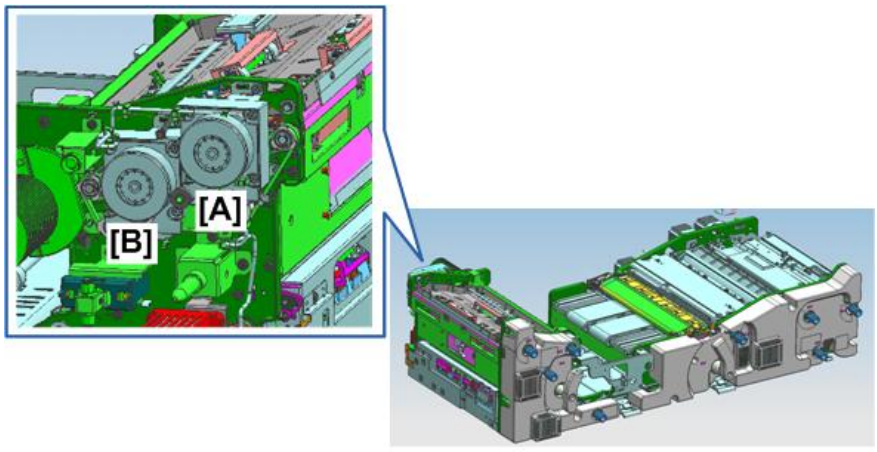
This small board [A] directly below the IOB [B] is equipped with a card slot where an SD card can be inserted to record operation sequences for testing and debugging. This board and SD card slot are used for factory testing and debugging. Normally, this SD card slot should be empty.



d270b0003

Heat Pipe Motor

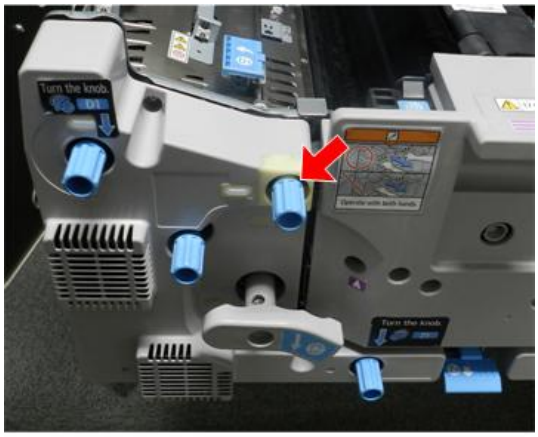
In the previous machines, a single motor (the exit/invert motor) drives both the exit roller and the heat pipe. In this machine, however, a new motor has been added for the heat pipe. The exit/invert motor [A] and heat pipe motor (the new motor) [B] are mounted side by side at the rear, upper left corner of the duplex unit. This arrangement improves the paper purge feature that shunts paper from the paper path into the purge tray when a paper jam occurs. These motors are identical.



d270s0008

Jam Removal Knob

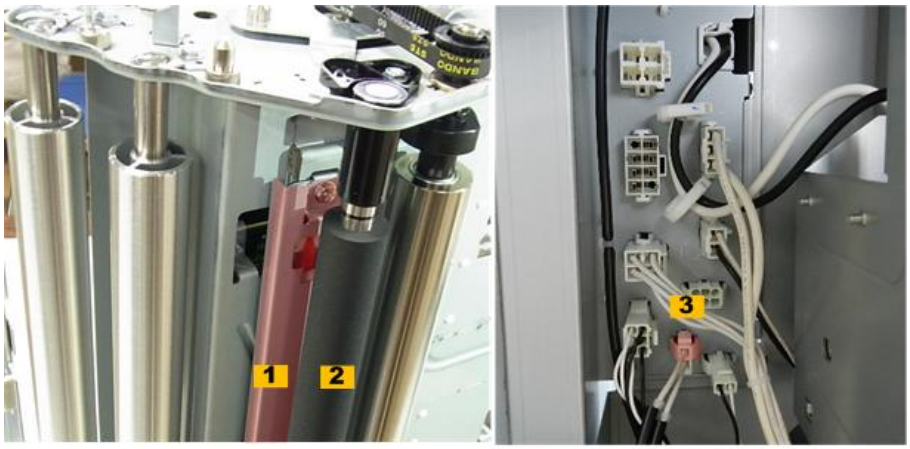
A knob has been added so the heat pipe can be rotated manually at the front to make paper jam removal easier. At least two full turns are required to free long paper that has jammed in the paper path.



d270b0042

New ITB Heater

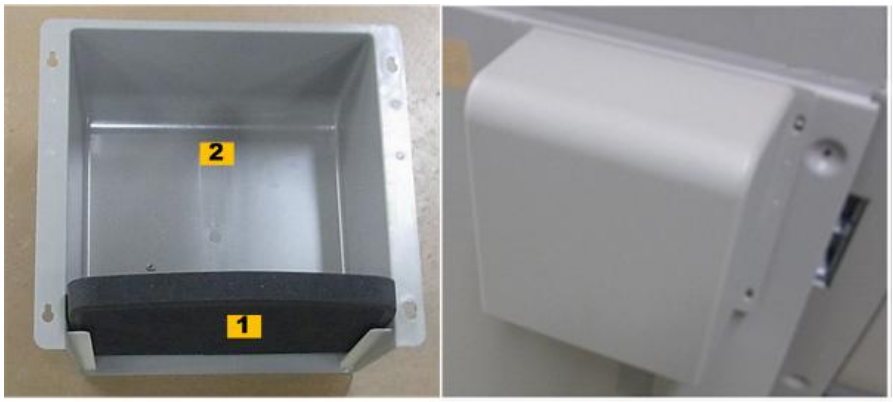
In addition to the standard ITB heater, a new anti-condensation heater [1] has been added next to the paper transfer bias roller [2] inside the ITB unit. The standard heater and this new heater are pre-installed at the factory. Connection of these heaters is optional. The connection is done at the AC control board [3] on the back of the machine. The heaters share a single harness and connector plug. The harness should be connected if **SC453** (PTR Bias Roller Error) occurs frequently.



d270b0024

New Ozone Filter.

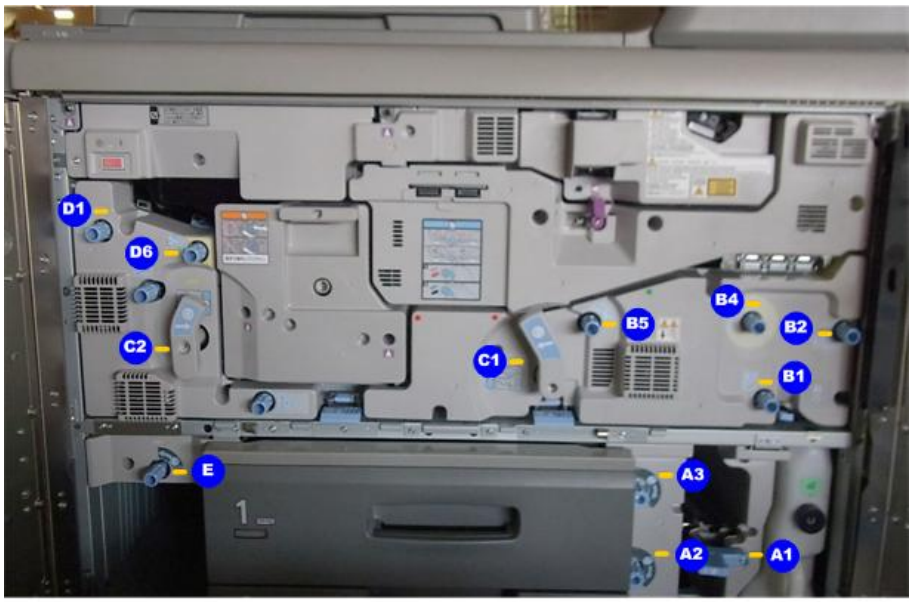
A new ozone filter [1] is provided as an accessory for the vent cover [2]. Before you attach the vent cover to the back of the machine at machine installation, make sure that the ozone filter is set as shown.



d270b0028

Paper Jam LEDs

Twelve new Jam LEDs are provided on the left and right drawer covers. An LED lights if a jam occurs at its location. This makes it much easier to locate and remove sheets that jam in the paper path by manually rotating the jam removal knobs.



d270b0029

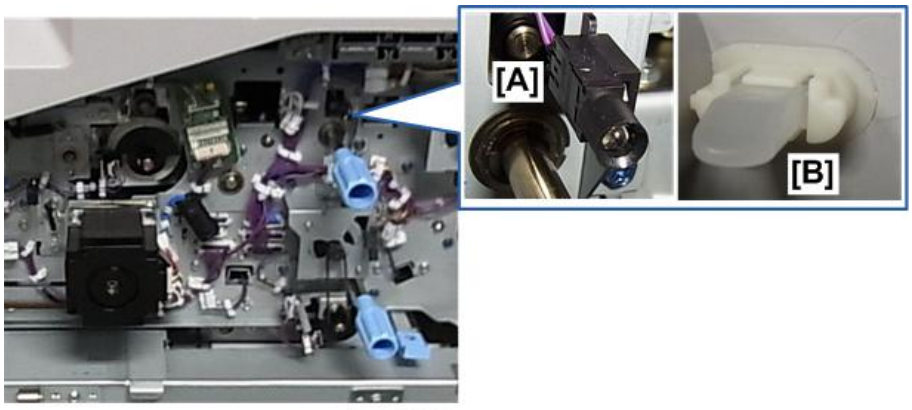
The 12 jam LEDs are behind four covers on the front of the machine.

Important

At the present time (Oct. 2016) LEDs A1, B1, B2 and D1 in the table below are not functional. Their function will be enabled in the near future.

No.	Cover	LED
1	Exit unit	C2, **D1**, D6
2	Purge tray	E
3	Registration unit	**B1**, **B2**, B4, B5, C1
4	Vertical transport unit	**A1**, A2, A3

Each LED [A] is mounted on a peg opposite to a projection lens [B] mounted on the cover. When a jam occurs at its location, the LED lights and the light is magnified by the lens.



d270b0038

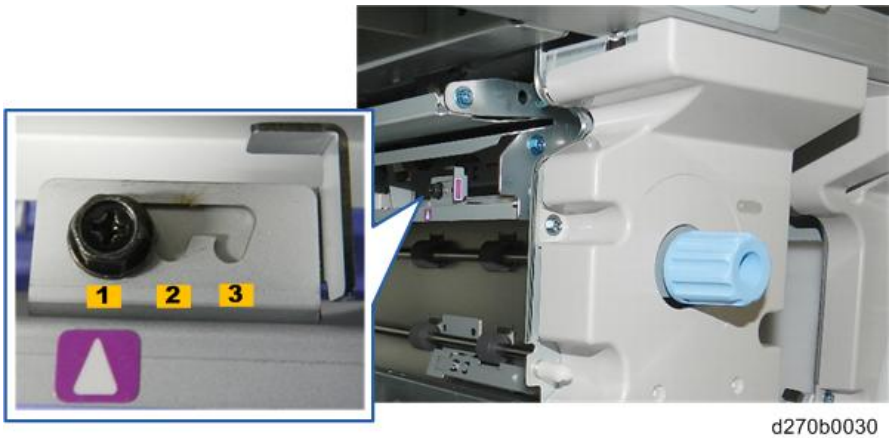
The LEDs are not connected to the covers, so their connectors and harnesses do not interfere with cover removal.

Paper Feed Unit Separation Roller Nip Adjustment

Each PFU is now equipped with a notch adjustment mechanism to adjust the pressure of the nip between the

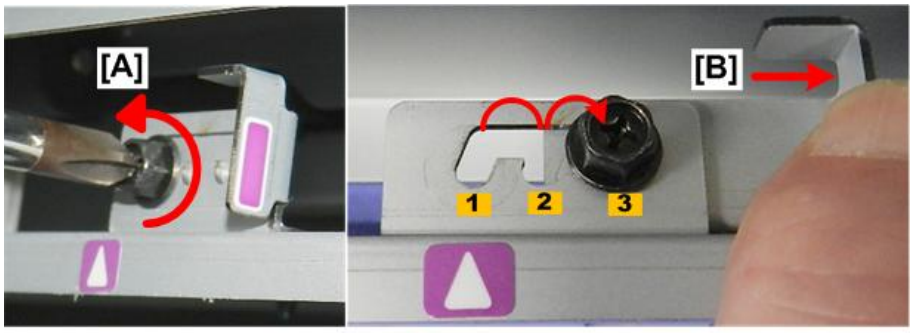
separation roller and feed roller.

- The rear position [1] is the default, the center position [2] forces more pressure at the nip, and the forward position [3] forces the most pressure at the nip.
- This is a TCRU adjustment and can be done without removing the PFU. (However, Tray 1 must be removed in order to access the PFUs.)
- Do this adjustment if misfeeds and double-feeds become frequent due to slippage caused by the accumulation of paper dust on the separation roller when using coarse paper.



d270b0030

After removing the tandem tray in order to access the adjustment screws, screw [A] is loosened and then lever [B] is pushed forward to move the screw and plate through the notch settings [1] (default], [2], and [3]. The screw is then re-tightened at the selected notch position.



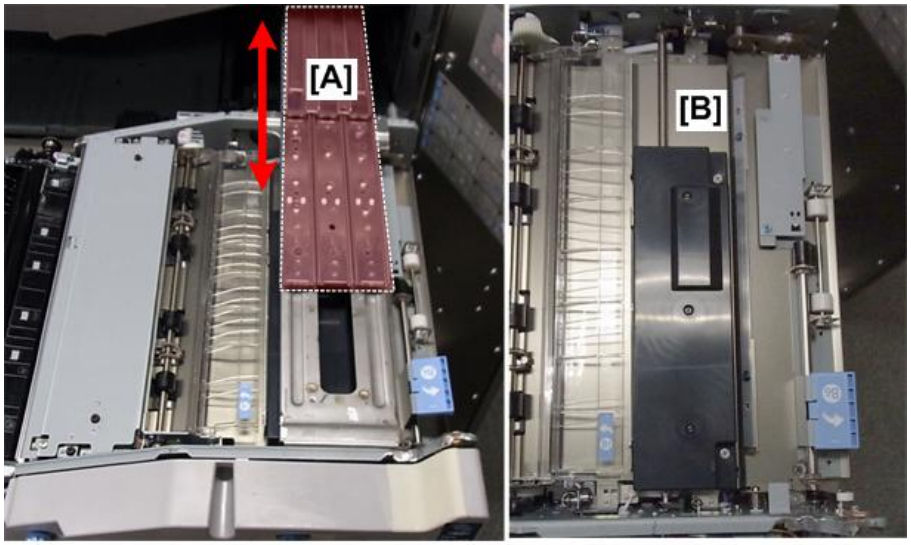
d270b0036

For example, if the screw is set at the forward notch, this applies maximum tension to the spring [1] and stretches it [2]. This raises the lever pressing against the separation roller [3] and creates more pressure at the nip. When the solenoid activates to raise the separation against the feed roller above during paper feed, there is more pressure applied at the nip to handle double feeds.

d270b0039

Registration Unit Slide Rails

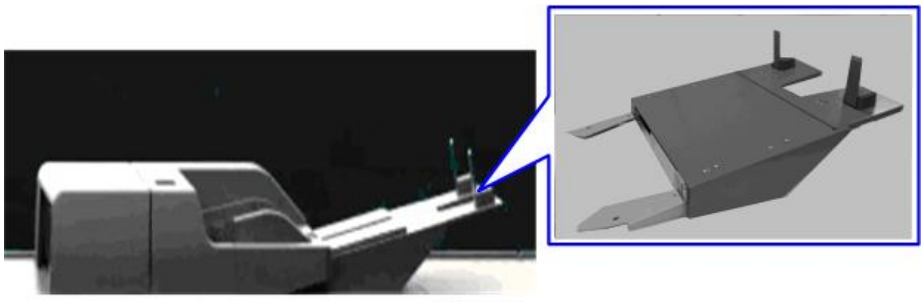
Three heavy slide rails [A] have been added on top of the registration unit to strengthen the operation of the drawer mechanism. The rails prevent the heavy drawer from tipping forward or shifting from side to side every time the drawer is opened. This greatly improves the stability of the machine, especially for the lighter printer model without the weight of the ADF on top of the machine. These rails must be disconnected and pushed into the machine before some components in the registration unit [B] can be cleaned or serviced.



d270b0032

Multi Bypass Banner Sheet Tray Type S3

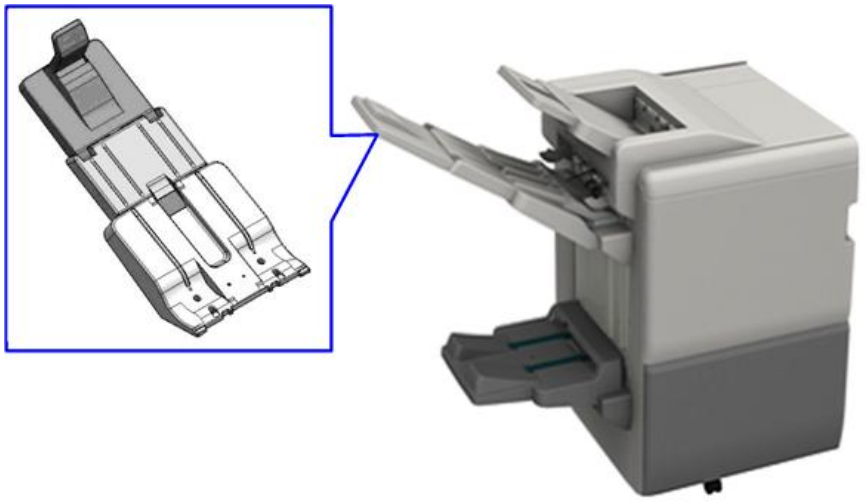
This is a new option for the Multi Bypass Unit.



d270b0046

Paper size	210 to 330.2 x 420 to 700 mm (8.3 to 13 x 16.5 to 27.5 in.)
Paper weight	52.3 to 216 g/m^2
Capacity	Up to 500 sheets (80 g/m^2)

Another tray to hold banner sheets for the Finisher is also included with this option.



d270b0047

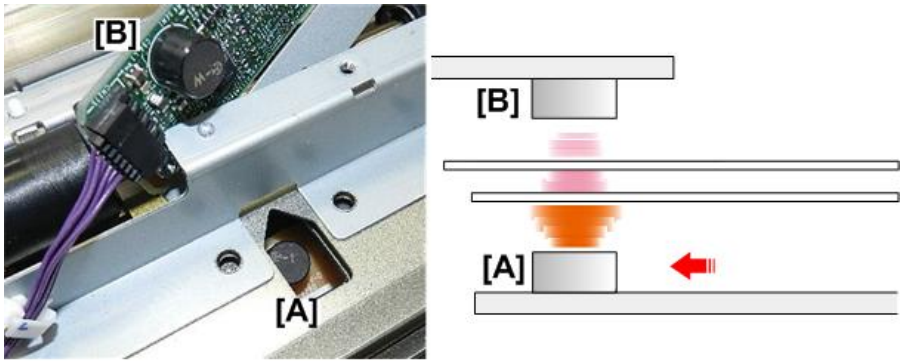
Paper size	210 to 330.2 x 420 to 700 mm (8.3 to 13 x 16.5 to 27.5 in.)
Paper weight	52.3 to 360 g/m^2
Capacity	500 sheets (80 g/m^2) 200 sheets (paper longer than 487.9 g/m^2)

Differences with Previous Machine

This section describes changes in features of the previous machine.

ADF Double-feed Sensors

The double-feed sensor mechanism in the ADF is comprised of an emitter and receiver sensor pair [A] and [B]. This feature is provided as standard in the ADF of the previous machine. However, for this machine this feature is an option (Double-feed Sensor Kit S7) that requires separate purchase and installation by a trained service technician.

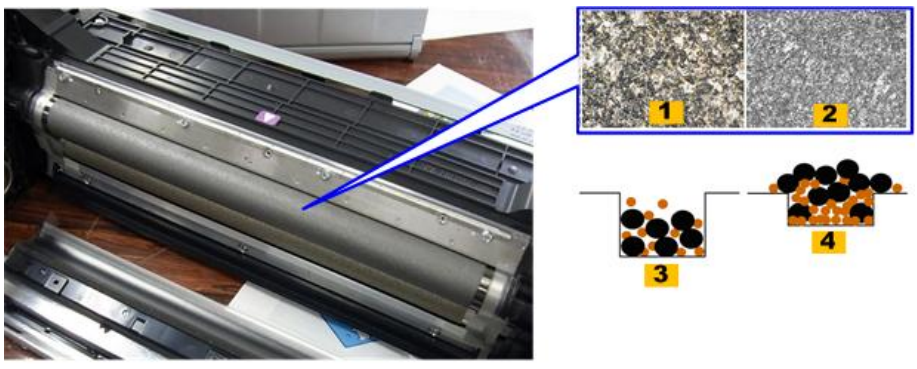


d270b0001

New Development Roller

To reduce toner scatter, the surface of the development roller and the ratio of small powder-to-toner have been changed.

The surface of the new roller [1] is rougher than the surface of the previous roller [2]. The rougher surface prevents excessive toner from adhering to the surface of the roller. To enhance this change, the ratio of small powder- to-toner [3] for the new machine is much lower than the amount of small powder for the previous machine [4]



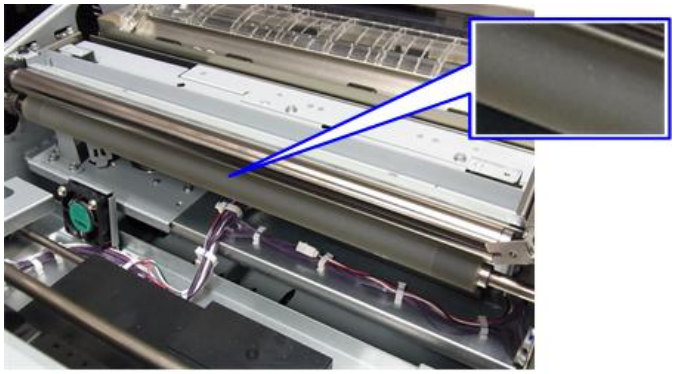
d270b0007

New Transfer Timing Roller

Some important changes were made in and around the transfer timing roller.

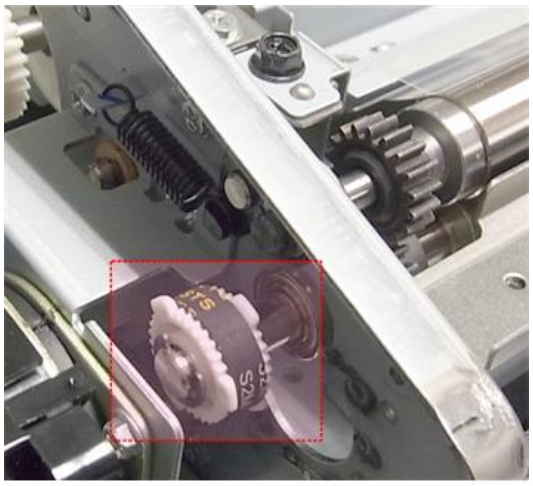
- The transfer timing roller has been replaced with a roller made of urethane. The urethane roller resists

swelling when stiff NCR paper is used.



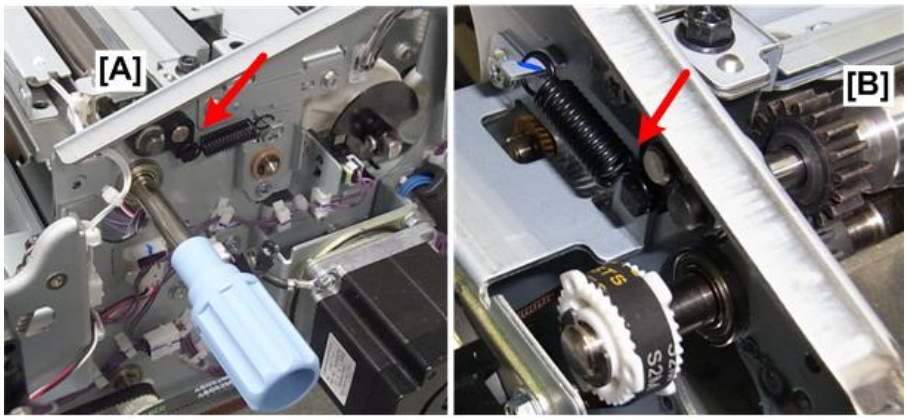
d270b0045

- The drive gear mechanism of the transfer timing roller was re-designed in order to make removal of the transfer timing roller much easier. The transfer timing roller motor no longer needs to be removed in order to remove the roller.



d270b0033

- Springs have been added at the front [A] and rear [B] of the upper transfer timing roller. This pulls the upper and lower transfer timing rollers together with more force to reduce noise during machine operation.

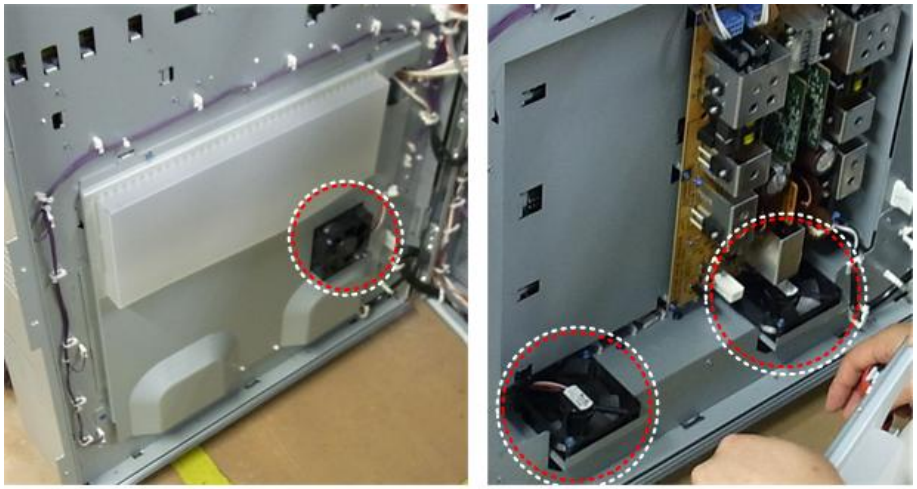


d270b0034

Fans, Filters, Ducts

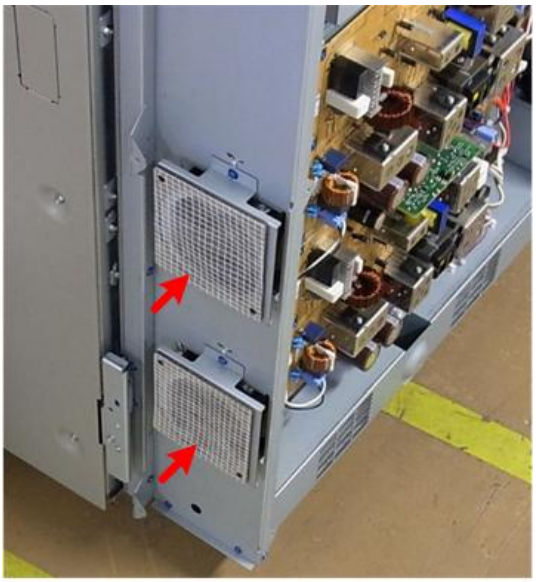
There are many changes in the design and placement of the ventilation components on the back of the machine.

PSU fans. There are changes in the placement of PSU fans in the controller box.



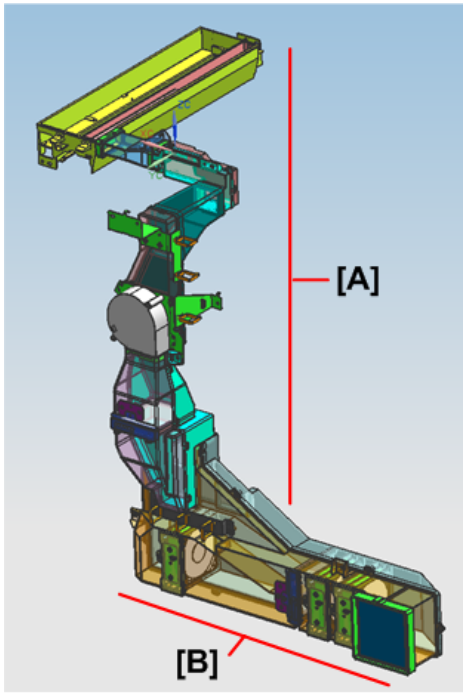
d270b0010

PSU air intake fans. Dust filters have been added to the PSU air intake fans on the right side of the controller box.



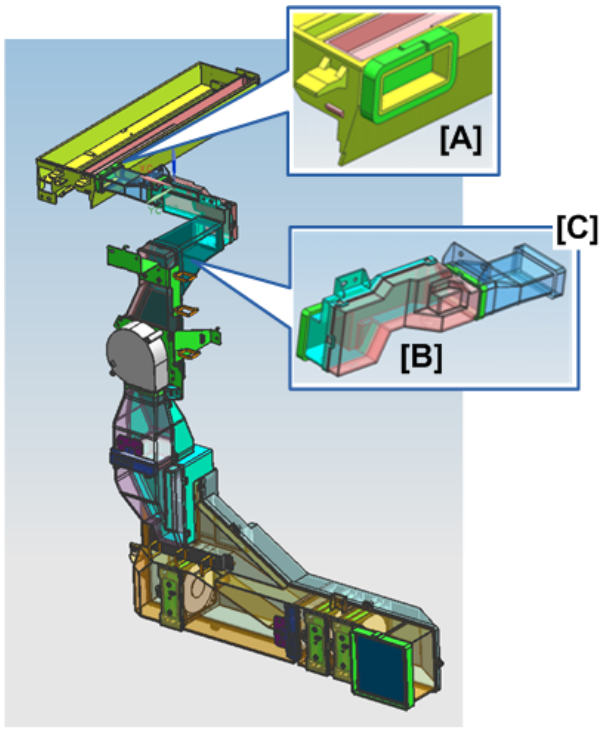
d270b0011

Vertical, Horizontal Ventilation Ducts. The vertical ventilation duct [A] and horizontal duct [B] have been modified to make them stronger and easier to remove.



d270b0012

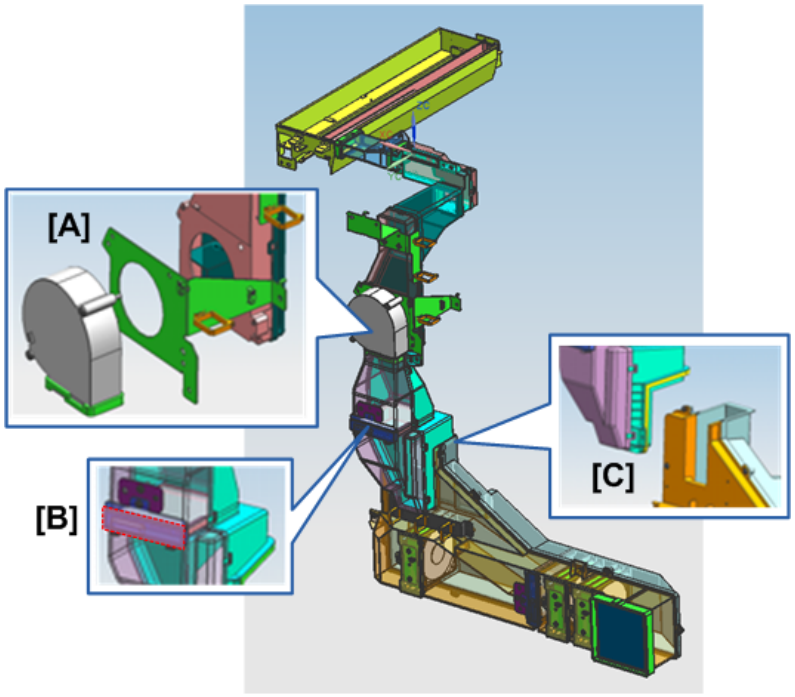
Transverse ducts better constructed. A seal has been added at [A] for a tighter fit at the joint to prevent air leakage. The duct [B] has been enlarged to increase the volume of air moving through the duct. The joint [C] has been changed to a “snap-fit” design to make re-assembly easier and to provide a tighter seal.



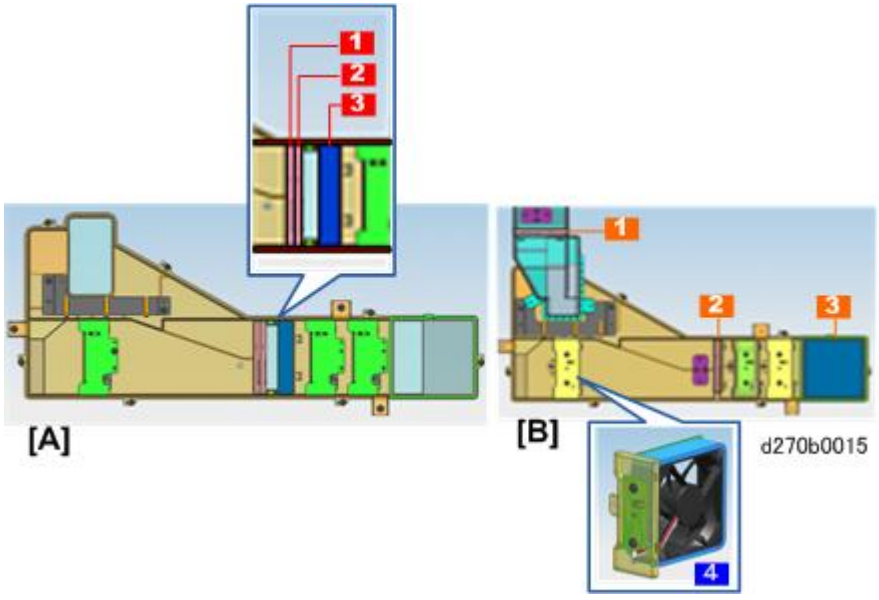
d270b0013

Vertical duct. The duct has been enlarged to increase air flow. The bracket [A] of the ozone exhaust fan has been enlarged to provide better stability. A dust filter with a tight cover has been added at [B]. The joint at [C] between the vertical and horizontal duct has been changed to a “snap-fit” design to make re-assembly easier and to provide a tighter seal.

7.Detailed Description



Horizontal duct. The horizontal duct of the previous machine [A] and this machine [B] both have two dust filters and one ozone filter. However, the dust filters [1] and [2], and ozone filter [3] are closer together in the previous machine [A] but they are spread farther apart in the new machine [B]. Fan [4] was replaced with a new type of fan and with its own cover to provide a better seal between the fan and duct.

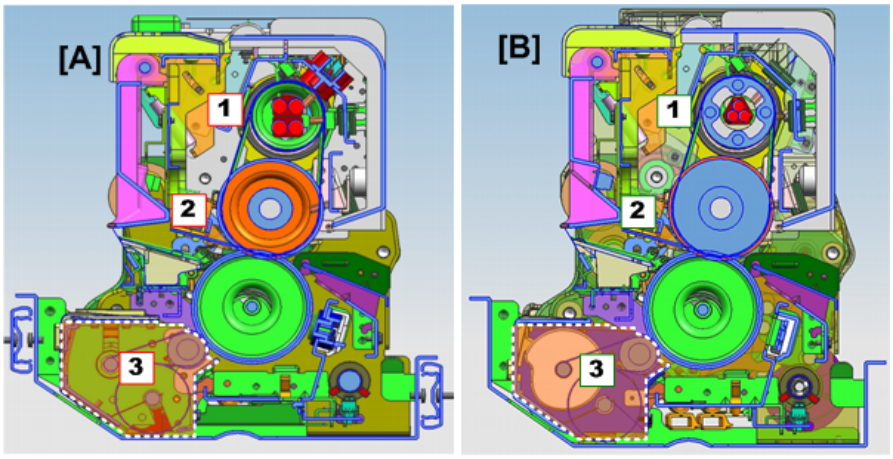


Changes in the Fusing Unit

The fusing unit of the previous machine [A] and fusing unit of this machine [B] are basically the same but with some minor differences.

- The configuration of the heating roller [1] has changed (described below).
- The composition of the surface of the hot roller [2] has been modified.

- The web cleaning unit [3] features a simpler design that makes it much easier to service the unit. The new dis-assembly procedure is described in detail in the Replacement and Adjustment section.

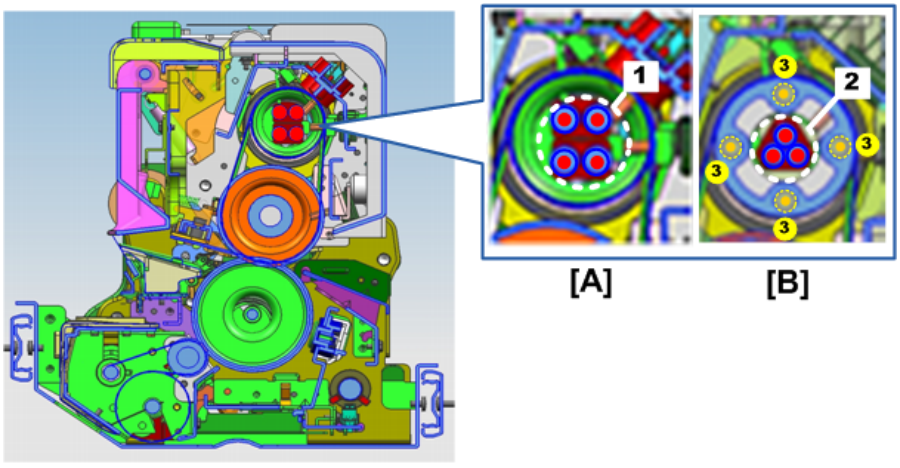


d270b0016

Heating roller

The configuration of the heating roller has changed.

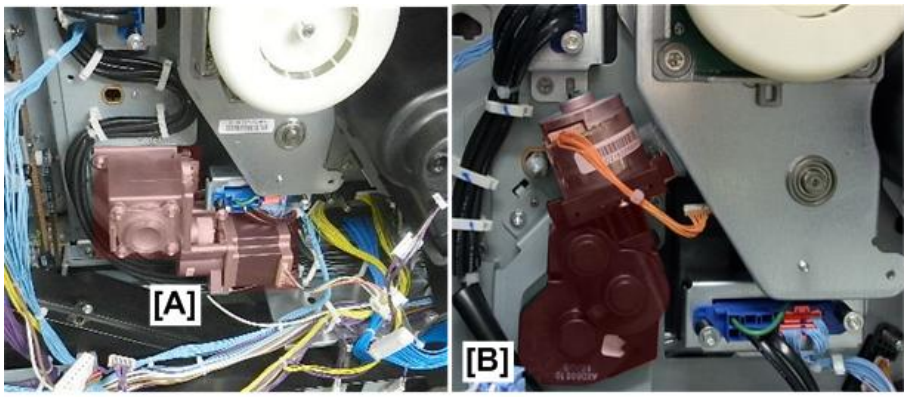
- The heating roller of the previous machine [A] has four fusing lamps [1].
- The heating roller of this machine [B] has three fusing lamps [2].
- The diameter of the heating roller of this machine was increased slightly in order to accommodate the addition of four heat pipes [3] set around the inner surface of the hollow roller. This comprises a closed condenser system that keeps the heat evenly spread over the surface of the heating roller.



d270b0017

Pressure roller lift motor

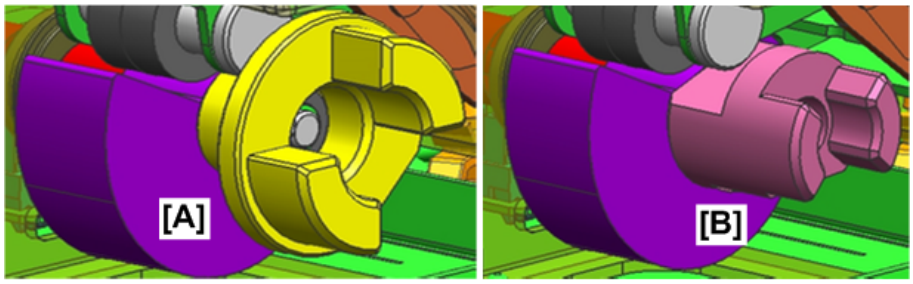
The pressure roller lift motor, a stepper motor [A] in the previous machine, is replaced by a DC motor [B] in this machine.



d270b0018

Pressure roller lift motor coupling

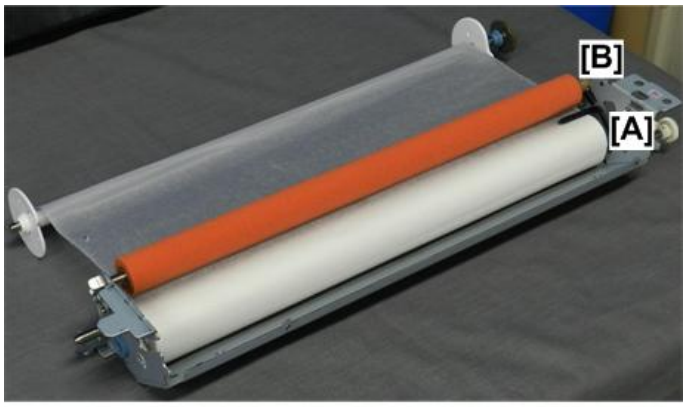
The shape of the coupling [A] of the previous machine has been changed slightly [B] to accommodate the replacement of the stepper motor with a DC motor.



d270b0019

Fusing Cleaning Unit

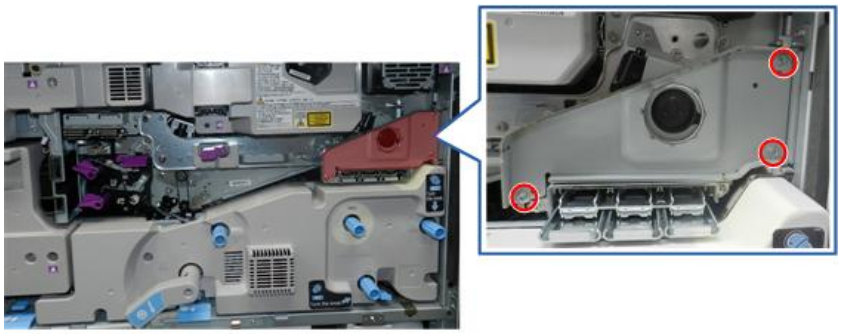
The fusing cleaning unit is much easier to service. The web roller supply roller [A] and contact roller [B] can be removed independent of one another.



d270b3995

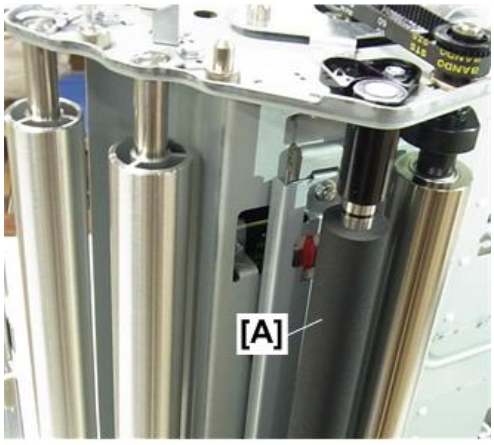
Changes in the ITB Unit

ITB Unit Lock Bracket. There is a new lock plate on the right front side of the ITB unit. This plate must be removed in order to remove the ITB unit. (x3)



d270b0023

Negative paper transfer bias roller. The negative paper transfer bias roller in the ITB unit is now a PM part.

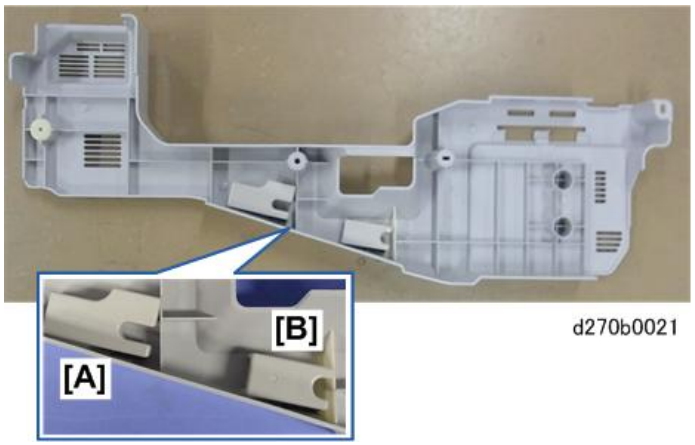


d270b0037

Front Edge. The front edge of the ITB unit has been modified slightly to make it stronger. The front plate rests firmly on top of the head of a screw on the bottom plate to keep the plates apart. This strengthens the ITB lock mechanism. This change was implemented to reduce the false occurrences of **SC471-10** (Belt Position Ready Timeout) and **SC471-02** (Belt Centering Roller HP Error) caused when the ITB lever does not correctly lock in place.

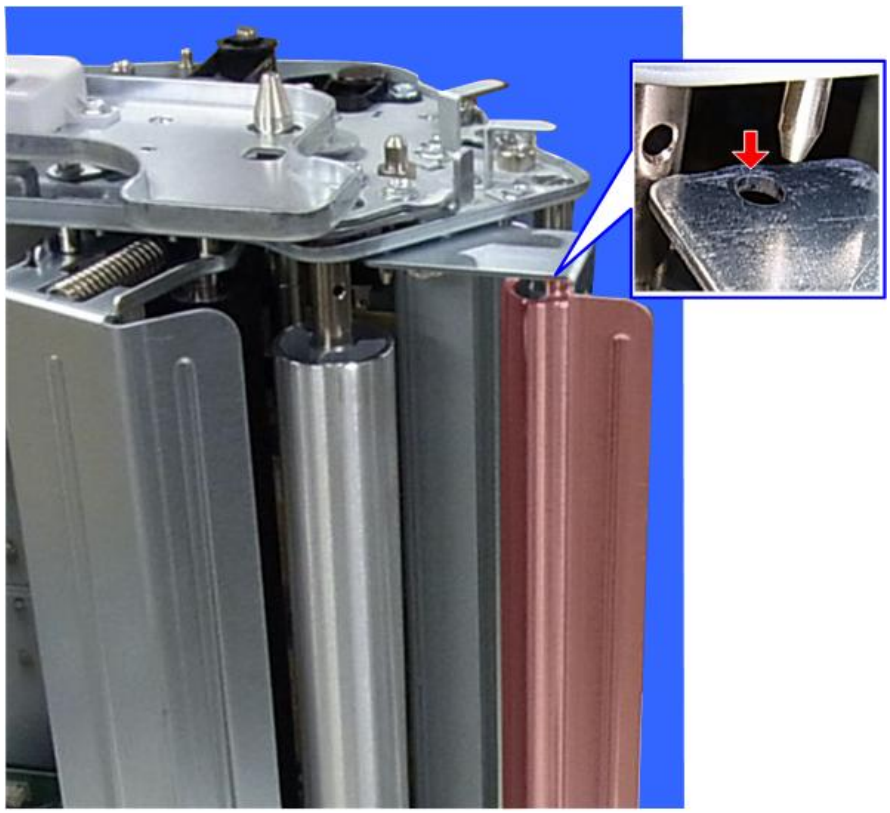
d270b0020

ITB Replacement: Jigs. The inner side of the drawer right cover has been redesigned to accommodate the addition of the Jam LEDs (described below). The jigs required for ITB replacement are stored inside the ITB cover at the same location, but the large jig [A] is set on the left and the small jig [B] is set on the right. The jigs are held in place with Velcro fasteners.



d270b0021

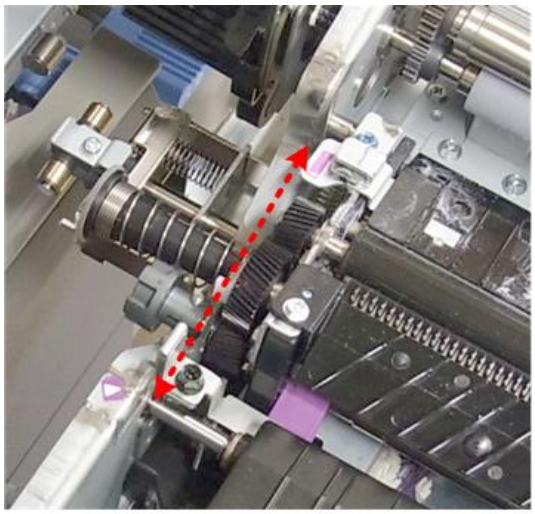
ITB Stay Removal. The attachment of this long stay is more stable so it does not fall free and damage the belt during the transfer belt replacement procedure. The "**U**" configuration of the connection point, which allowed the stay to slip away freely, has been replaced with an "**O**" configuration that holds the stay in place until it is removed.



d270b0022

More Space behind the PTU for Easier Removal

More space is provided at the rear of the paper transfer unit to make it easier to remove.



d270b0031

ADF (Copier)

Mechanisms

Basic Specifications

Type		Single/duplex automatic sheet through scanning (scans both sides with one pass)	
Originals			
	Simplex	A3, A4, A5, B4, B5, B6, DLT, LG, LT, HLT, Long (up to 1260 mm), 40 to 128 g/m^2	
	Duplex	A3, A4, A5, B4, B5, (B6), DLT, LG, LT, HLT, 52 to 12 8g/m^2 B6: Smallest size	
	Mixed sizes	A3, A4, B4, B5, DLT, LG, LT, HLT 52 to 81.4 g/m^2	
Original standard position		Rear left corner	
Original setting		Image side face up	
Original feed order		From top to bottom of stack	
Original feed separation		Friction with feed belt and original separation roller	
Original scanning methods		Sheet-through duplex (Front: white guide plate, Back: Color CIS + white roller)	
Original tray capacity		250 sheets (64g/m^2), Stack less than 25 mm, Normal paper	
Target Line Speed		500 mm/s (B&W)	
Scanning productivity			
	Simplex	Copy/Scan	120 ipm (200/300 dpi) A4 LEF, 1:1 (B&W, Color)
	Duplex	Copy/Scan	220 ipm (200/300 dpi) A4 LEF, 1:1 (B&W, Color)
ADF magnification (front/back)		System 25% to 400%	
Dimensions (w x d x h)		591 x 520 x 175 mm (23 x 21 x 7 in.)	
Weight		Less than 14 kg (31 lb.)	
Power supply		DC24 V, DC12 V, DC5 V (from main machine)	
Power consumption		Less than 82.5W	

Compatible Originals

Thickness	**35 kg**	**40 kg**	**45 kg**	**55 kg**
	40.7	**46.5**	**52.3**	**64**
	g/m^2	**g/m^2**	**g/m^2**	**g/m^2**
	250	**250**	**250**	**250**
Paper Size				
A3/A4	---	---	◎	◎

A5	○	○	◎	◎
B4/B5	○	○	◎	◎
B6	---	---	◎	◎
DLT/LG	○	○	◎	◎
LT	○	○	◎	◎
HLT	○	○	◎	◎
F	○	○	◎	◎

Thickness	**70 kg**	**90 kg**	**110 kg**	**Translucent**
	81.4	**105**	**128**	**TA, TE, TC**
	g/m²	**g/m²**	**g/m²**	
	220	**190**	**150**	**1**
Paper Size				
A3/A4	◎	◎	◎	△
A5	◎	◎	◎	---
B4/B5	◎	◎	◎	△
B6	◎	◎	◎	---
DLT/LG	◎	◎	◎	---
LT	◎	◎	◎	---
HLT	◎	◎	◎	---
F	◎	◎	◎	---

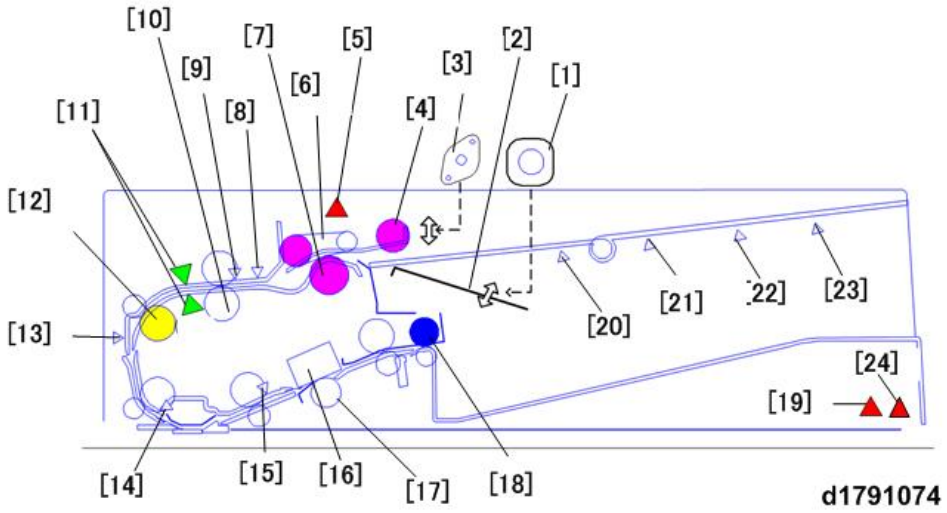
Comments

◎: Simplex, duplex both possible

○: Simplex mode only

△: SADF simplex mode only

Configuration

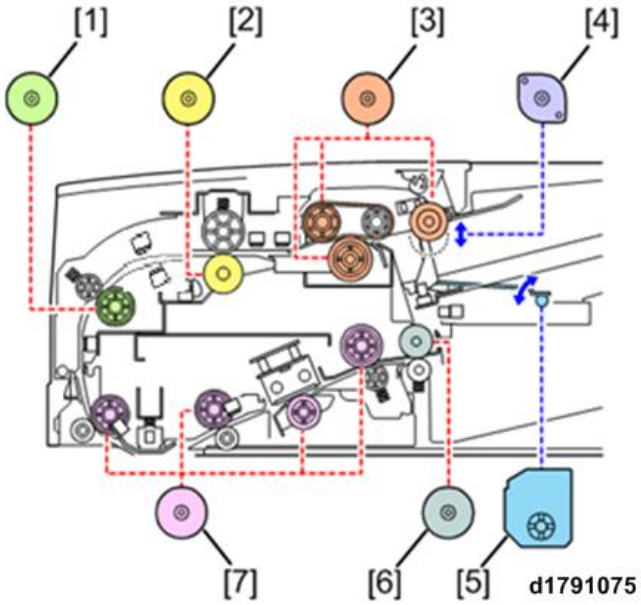


1	Bottom Plate Lift Motor	13	Scan Entrance Sensor
2	Bottom Plate	14	Registration Sensor
3	Pickup Roller Motor	15	Exit Sensor
4	Pickup Roller	16	CIS
5	Feed Cover Open Sensor	17	White Roller
6	Feed Belt	18	Exit Roller
7	Separation Roller	19	Open/Close Sensor
8	Separation Sensor	20	Original Length Sensor (A4 LEF, LT LEF)
9	Skew Correction Sensor	21	Original Length Sensor (B5)
10	Grip Roller	22	Original Length Sensor (A4)
11	Double-Feed Sensor (Lower: emitter, Upper: receiver) ***1**	23	Original Length Sensor (B5)
12	Relay Roller	24	Lift Interlock Switch
***1**	Option for this machine.		

1. **Original Pickup Mechanism**. The original is picked up by the pickup roller.
2. **Paper Feed and Separatio**n. A feed belt and separation roller comprise the paper feed and separation mechanism.
3. **Original Size Detection**. Five width sensors and four length sensors comprise the original size detection mechanism.
4. **Duplex Scanning**. Each original is scanned with color CIS elements, one mounted above and one below the original feed path so both sides are scanned at the same time.
5. **Original Double-Feed Detection**. A pair of ultra-sound sensors, one mounted above and one mounted below the original path detect double feeding. This feature is an option (it was a standard feature in the previous machine.)

ADF Drive Layout

Rollers driven by DC motors comprise the ADF drive.



1	Transport Motor	5	Bottom Plate Lift Motor
2	Entrance Motor	6	Exit Motor
3	Feed Motor	7	Scan Motor
4	Pickup Roller Lift Motor	-	-

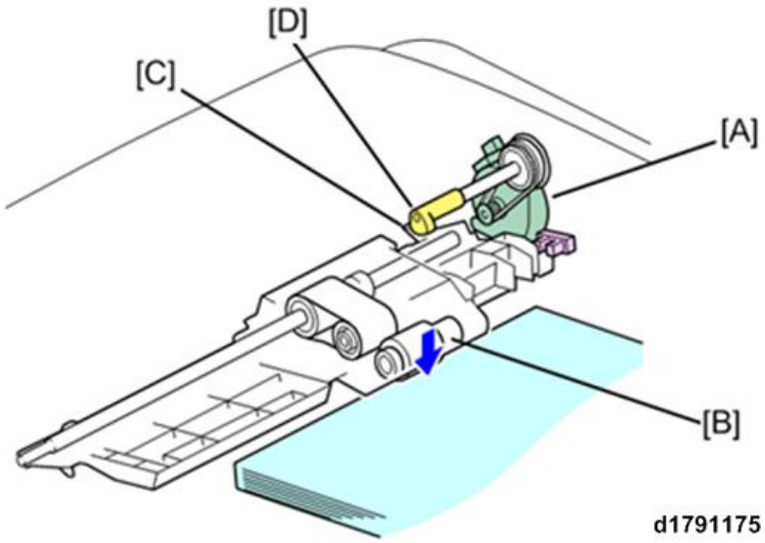
Details

Original Pickup Mechanism

Original Detection

- When the original is set in the original tray, the leading edge of the original pushes up the feeler of the original set sensor and the sensor detects the original.

Pickup Roller



The pickup roller alternates between the standby position (up) and operating position (down).

- Standby (up) position: Lift cam [D] pushes the pickup lever [C] and this raises the pickup roller [B] to the

standby (up) position.

- Operating (down) position: The lift cam [D] releases the pickup lever [C] and the pickup roller [B] drops to the operating (down) position.

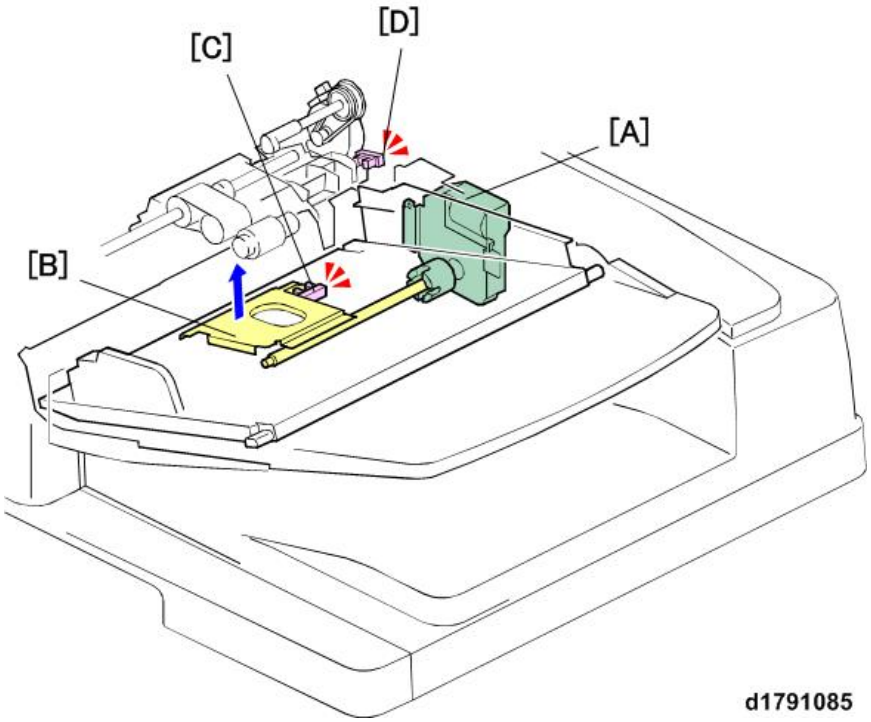
The pickup roller lift motor [A] turns on and rotates lift cam [D], so the rotating side of the cam alternately raises and lowers pickup lever [C] to the standby and operating positions.

Pickup roller standby position (up) timing is triggered:

- When the original stack is set, and the edge of the stack raises the feeler of the original set sensor and switches the original set sensor on. (However, the roller does lower after the last original feeds.)
- When the trailing edge of the original passes the skew correction sensor.
- When the leading edge of either A4 SEF or A4 LEF arrive at the original registration sensor.

Pickup roller operating position (down) timing is triggered when the leading edge of the original is at the skew correction sensor at power on, or when paper feed cover is opened (this causes an original jam).

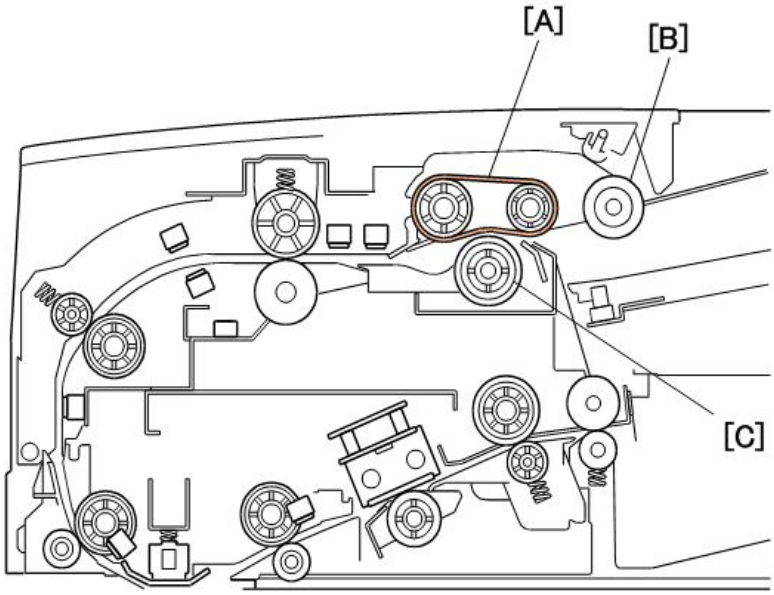
Bottom Plate Mechanism



- When an original is placed in the original tray, after the pickup roller drops and the bottom plate position sensor goes OFF, the bottom plate lift motor [A] turns ON and pushes the lift lever [B] against the bottom plate to raise the bottom plate.
- When the bottom plate position sensor [D] goes ON, the bottom plate lift motor [A] stops.
- When the height of the stack diminishes low enough during continuous original feed for the bottom plate position sensor [D] to go OFF, this signals the machine to switch the bottom plate lift motor [A] ON again to raise the tray.
- This mechanism keeps the position of the top of the stack (up to 250 sheets) at the correct position for continuous original feeding.

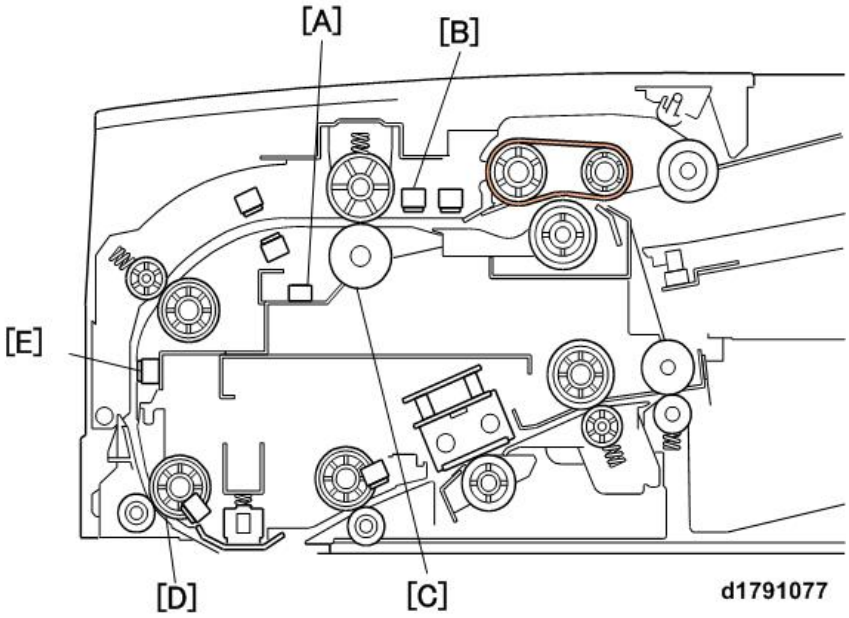
- After the last original is fed, the bottom plate descends as far as the bottom plate HP sensor [C], and the motor turns off.

Original Feed Mechanism



- A standard FRR system with separation and feed belt [A] and separation roller [C] comprises the original feed mechanism.
- When the original picked up by the pickup roller [B] is fed between the feed belt and separation roller [C], if there is more than one sheet between the belt and roller, the separation roller will reverse feed and the sheets below the top sheet will be returned to the original tray..
- The thickness of the double-feed triggers creates a small torque that exceeds that of the torque limiter clutch of the separation roller, the clutch reverses the rotation of the separation roller briefly (to send the double fed sheets back to the tray), and then releases so the top sheet can continue to feed.

Skew Correction Mechanism



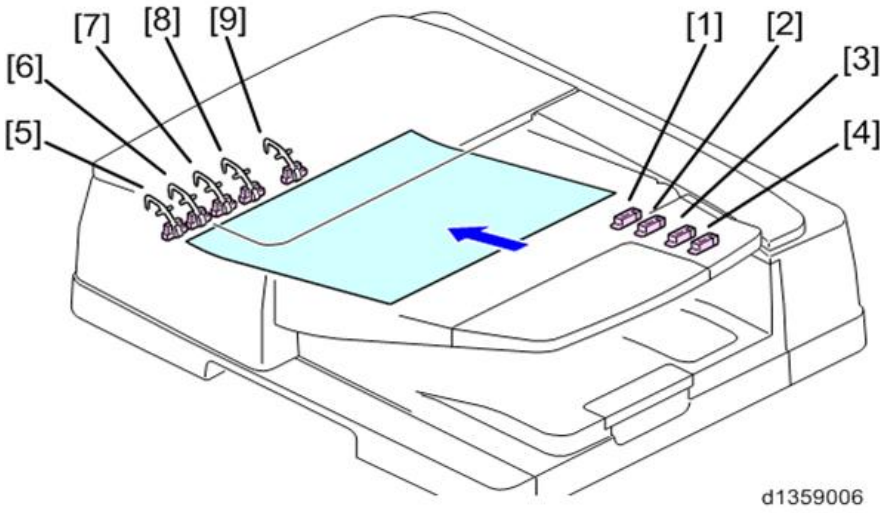
A	Original Width Sensors
B	Skew Correction Sensor
C	Grip Roller
D	Scan Entrance Roller
E	Scan Entrance Sensor

- The skew correction sensor [B] detects the leading edge of the original after it passes the nip of the feed belt and separation roller.
- After detection, the original continues to feed for the prescribed number of pulses, and then the leading edge strikes the grip roller [C] which has stopped momentarily to align the leading edge and correct any skew.
- If the original is small (B6, A5, B5, HLT) (or during duplex scanning) after the scanning entrance sensor [E] detects the leading edge of the original, the scanning entrance roller [D] is stopped for the prescribed number of pulses long enough to buckle the edge of the original for the second skew correction.
- You can use SP6020-001 to make the scanning entrance roller stop for the second skew adjustment of any size paper (not just small paper).

Original Size Detection

Five sensors are used to detect original width when the skew correction sensor detects the leading edge of the original.

- The length is detected by three sensors under the original table, and one more sensor above the bottom plate.
- The machine uses the readings of width sensors and the length sensors to determine the size of the original being fed.



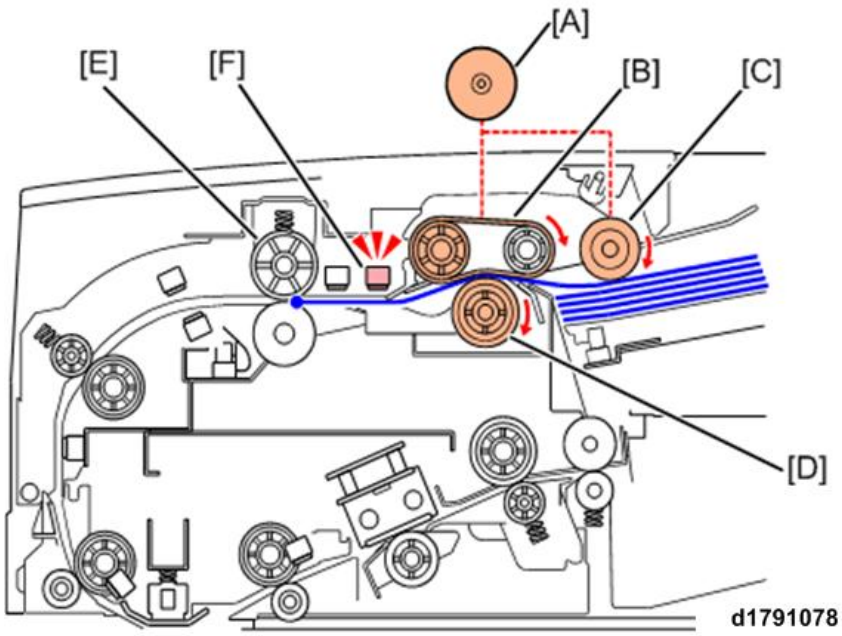
1	Original Length Sensor (A4 LEF, LT LEF)
2	Original Length Sensor (B5)
3	Original Length Sensor (A4)
4	Original Length Sensor (LG)
5	Original Width Sensor 5
6	Original Width Sensor 4
7	Original Width Sensor 3
8	Original Width Sensor 2
9	Original Width Sensor 1

Size	**Width Sensor**					**Length Sensor**			
	1	2	3	4	5	A4 LEF LT LEF	B5	A4	LG
A3(297×420)	ON	ON	ON	ON	ON	ON	ON	ON	ON
B4(257×364)	ON	ON	ON	-	-	ON	ON	ON	ON
A4 SEF (210x297)	ON	ON	-	-	-	ON	ON	ON	-
A4 LEF (297×210)	ON	ON	ON	ON	ON	-	-	-	-
B5 SEF (182×257)	ON	-	-	-	-	ON	ON	-	-
B5 LEF (257×182)	ON	ON	ON:	-	-	-	-	-	-
B6 SEF (128×182)	-	-	-	-	-	-	-	-	-
B6 LEF (182×128)	ON	-	-	-	-	-	-	-	-
11"×17" SEF (DLT)	ON	ON	ON	ON	-	ON	ON	ON	ON
11"×15"SEF	ON	ON	ON	ON	-	ON	ON	ON	ON
8 1/2"×11" SEF (LT)	ON	ON	-	-	-	ON	ON	-	-
11"×81/2" LEF (LT)	ON	ON	ON	ON	-	-	-	-	-

SP6016-001 can be used to choose size detection or either 11"x17" P or 11"x5"P,

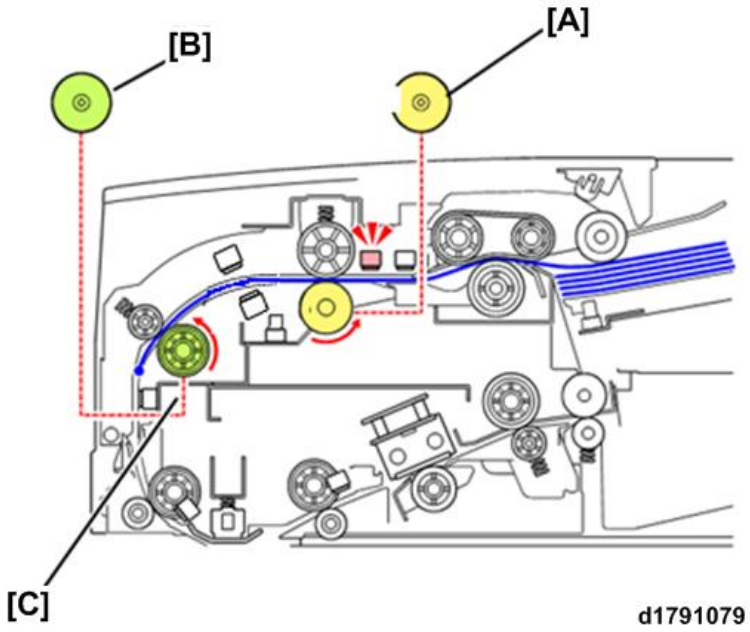
7.Detailed Description

Original Transport



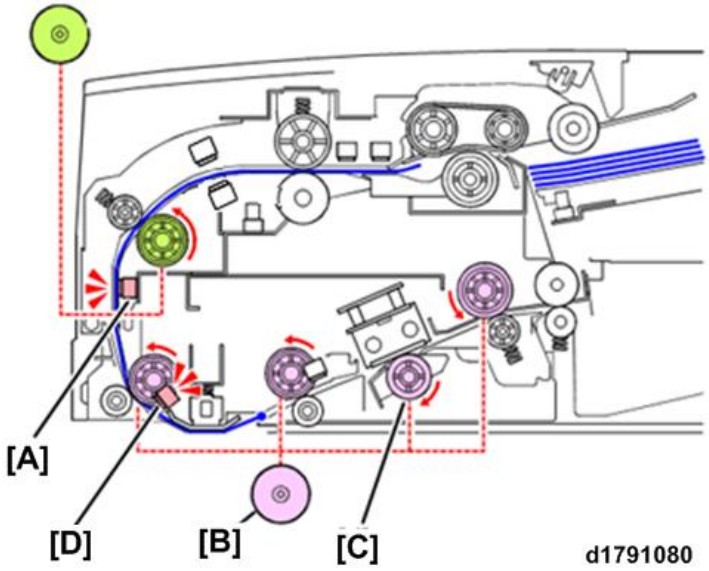
A	Feed Motor
B	Feed Belt
C	Pickup Roller
D	Separation Roller
E	Grip Roller
F	Separation Sensor

The feed motor [A] rotates the feed belt [B], pickup roller [C], and separation roller [D] to feed the original once the machine receives the command to feed. The fed original hits the grip roller. This prevents the paper from skewing diagonally in the original feed path.



After skew adjustment at the grip roller, grip motor [A] and relay motor [B] turn the rollers [C] that feed the

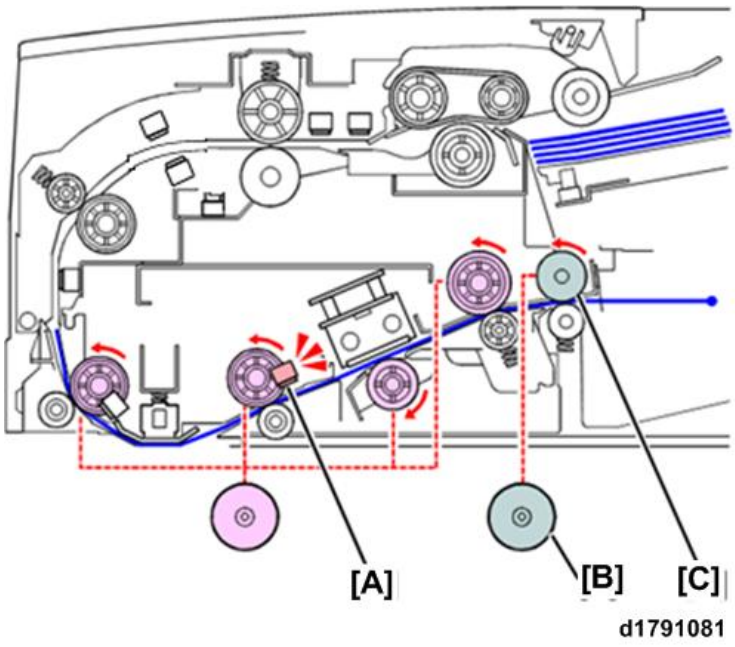
original to the scanner unit below.



When the scanner entrance sensor [A] detects the original, the scanner motor [B] switches on and rotates the white roller [C] and feeds the original to the scanner unit. The registration sensor [D] detects the leading edge and trailing edge of the original, and the machine maintains a pulse count between these two events.

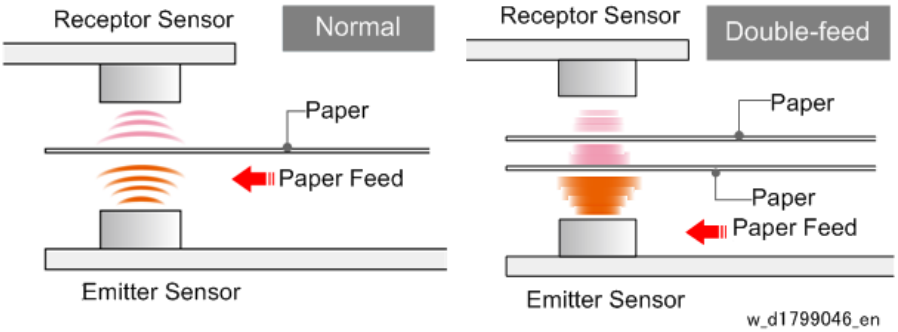
After the grip roller starts to rotate:

- The grip motor increases its rotation speed slightly in order to reduce the gap between the original and the downstream original being scanned.
- If this higher speed was maintained, the leading edge of the original would collide with the trailing edge of the downstream original.
- To compensate for the higher speed, when the leading edge is detected at the skew correction sensor, the speed of the feed belt is reduced, and the line speed slows as the leading edge of the original reaches the nip of the pre-scanning roller.



When exit sensor [A] detects the original, exit motor [B] turns on and rotates exit rollers [C] which feed the original out onto the exit tray.

Double-feed Detection (Option)



A pair of ultrasound sensors are mounted in the ADF, one below the original feed path (emitter) and the other above the path (receiver).

- When the original passes between the sensors, an ultra-sound wave from the emitter sensor below passes through the paper to the receiver above.
- The receiver converts the signal generated by the vibration of the signal against the paper to an electrical pulse and checks its level.
- If a double feed occurs, the space between the sheets will generate a lower signal. When the emitter detects this lower signal (lower than that of a single sheet) the machine issues Jam Code J099 (double-feed detected) and then original feed stops.

This double feed detection will not function with originals that have:

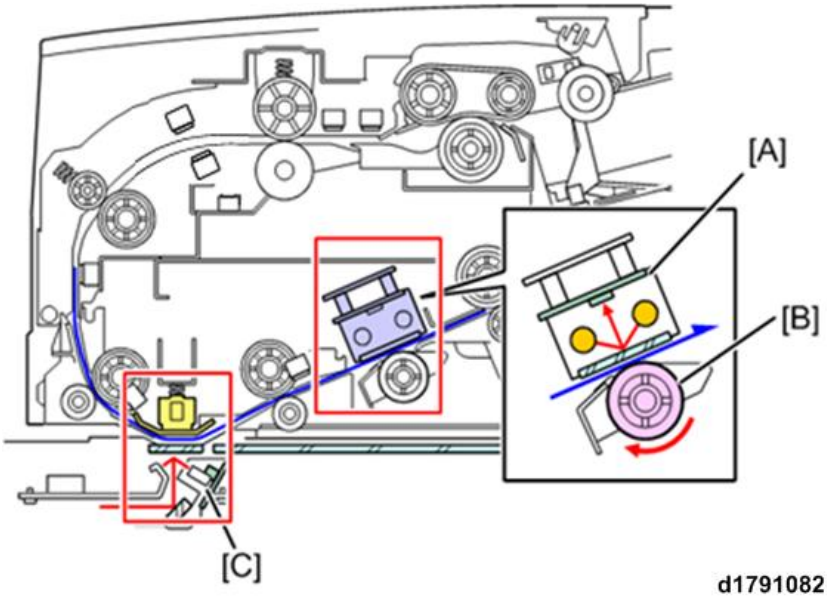
- Folds, wrinkles, tears
- Holes
- Imperfectly fused images
- Perforations
- Taped connections
- Taped surfaces

Feeding such originals could cause false detection of double-feeds.

Double-feed detection can be switched by the operator with an operator setting: Operator Adjustment > 1. Main: Image Position Adjustment > 0108 ADF Double Feed Detection Operation (On (default), Off).

The service technician must switch double-feed detection off/on with SP6040-001 [0 to 1/**1**/1] (Default 1: On) after installing the optional double-feed kit.

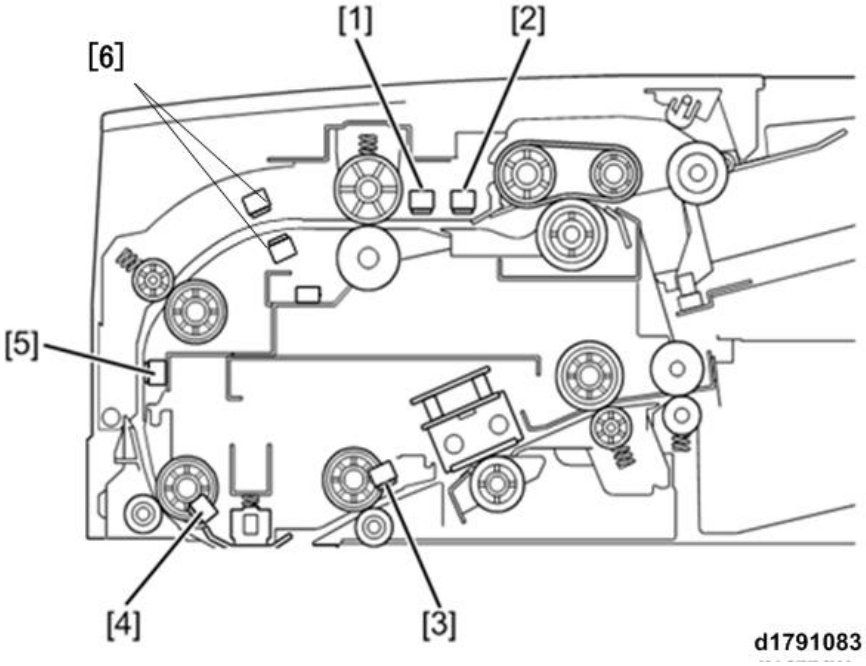
Duplex Scanning

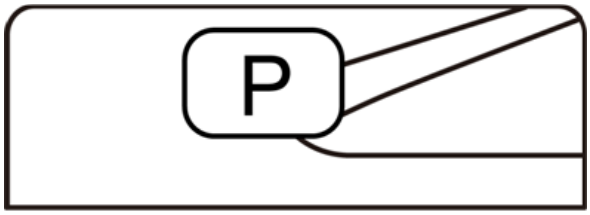


A	CIS
B	White Roller
C	Main Scanner LED

To improve productivity, this machine is equipped with a color CIS [A] to scan the back side of the original while the front side is being scanned.

Jam Sensor Layout





d1791315

1	Skew Correction Sensor
2	Separation Sensor
3	Exit Sensor
4	Registration Sensor
5	Skew Correction Sensor
6	Double-Feed Detection Sensors (Lower: emitter, Upper: receiver) (Option)

The six sensors listed above are used in jam detection. The readings of their output are used as described in the table below.

Code	Display	Jam Name	Jam Description
13	P	Separation sensor late jam	Leading edge did not arrive after paper feed motor started and operated long enough for 224 mm of feed.
14	P	Skew sensor late jam	Leading edge not detected within time for 46 mm of feed after detection by separation sensor.
15	P	Skew sensor late jam	Leading edge not detected after pull out started (grip motor) and enough time elapsed for 172 mm of feed.
16	P	Registration sensor late jam	Leading edge not detected after skew correction sensor detected leading edge and enough time elapsed for 96 mm of feed.
17	P	Exit sensor late jam	Leading edge not detected after registration sensor detected leading edge and enough time had elapsed for 130 mm of feed.
63	P	Separation sensor lag jam	This table shows how the amount of feed is calculated when the leading edge of the original is not detected after grip motor starts to pull out original. Standard value: -35.3)×1.5 However, if the operator changes the original length setting, the new specified value will be taken as standard.
64	P	Skew sensor lag jam	Trailing edge was not detected after separation sensor has detected trailing edge and enough time had elapsed for 46 mm of feed.
65	P	Skew sensor lag jam	Trailing edge not detected after relay motor stopped and enough time had elapsed for 82 mm of feed.
66	P	Registration sensor lag jam	Trailing edge not detected after skew correction sensor detected trailing edge and enough time had elapsed for 93 mm of feed.
67	P	Exit sensor lag	Trailing edge not detected after registration sensor detected trailing

Code	Display	Jam Name	Jam Description
		jam	edge and enough time has elapsed for 130 mm of feed.
99	P	Double-feed jam*1	Double-feed sensor pair (ultrasound) detected a single weaker than that expected for the original is use and signaled double-feed.
*1	Detected by the double-feed sensors after this option is installed.		

Abnormality Detection

Errors that occur twice in succession are treated as jams, three times in succession as SC errors.

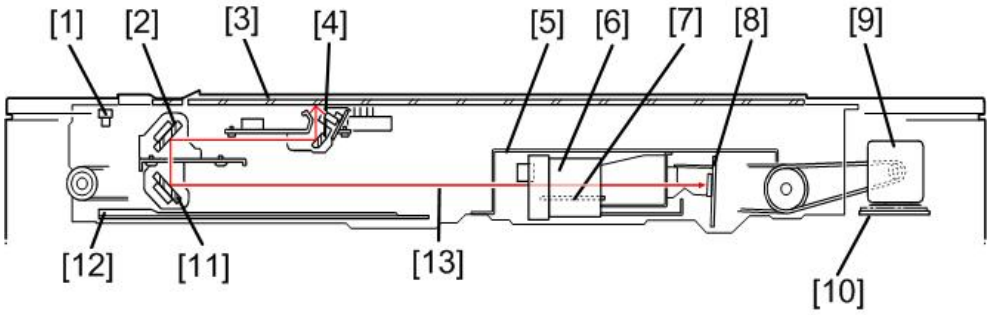
No.	Problem	Release	Cause
700-01	Bottom plate lift moor error	Cycle the machine off/on with main power switch	Bottom plate position sensor abnormal (output abnormal), Bottom plate HP sensor abnormal), Bottom plate lift motor abnormal (not operating), ADF control board abnormal
700-02	Paper pickup operation abnormal	Cycle the machine off/on with main power switch	Pickup HP sensor abnormal (output abnormal), Pickup motor abnormal (not operating), ADF control board abnormal
700-04	Feed motor error	Cycle main power switch off/on	Feed motor defective, Harness disconnected, Harness broken or defective, Motor blocked
700-05	Transport motor error	Cycle main power switch off/on	Feed motor defective, Harness disconnected, Harness broken or defective, Motor blocked
700-06	Transport motor error	Cycle main power switch off/on	Feed motor defective, Harness disconnected, Harness broken or defective, Motor blocked
700-07	Scan motor error	Cycle main power switch off/on	Feed motor defective, Harness disconnected, Harness broken or defective, Motor blocked
700-09	Exit motor error	Cycle main power switch off/on	Feed motor defective, Harness disconnected, Harness broken or defective, Motor blocked
701-02	Pickup roller motor drive board error	Cycle main power switch off/on	Motor drive IC abnormal
703-01	Double-feed detection not operating*1	Replace sensors	Double-feed circuit or sensor defective, Harness disconnected, broken, defective
185-00	CIS communication error	Cycle main power switch off/on	Communication harness between ADF and CIS loose, broken, defective. ASIC in CIS abnormal ASIC boot in CIS abnormal
186-00	CIS light element abnormal	Cycle main power switch off/on	At power on One or both connectors of CIS LED damaged During original feed Leads of CIS LED damaged

No.	Problem	Release	Cause
			ADF main control board defective
187-00	CIS black level confirmation error	Cycle main power switch off/on	CIS device abnormal
188-00	CIS white level confirmation error	Cycle main power switch off/on	CIS device abnormal CIS background white roller damaged, installed incorrectly
189-00	CIS gray balance adjustment error	Cycle main power switch off/on	CIS device abnormal Adjustment chart damaged, dirty, deteriorated
***1**	Detected by the double-feed sensors after this option is installed.		

Scanner Unit (Copier)

Mechanisms

Layout



d1791001

No.	Name	No.	Name
1	Scanner HP Sensor	8	SBU
2	2nd mirror	9	Scanner Motor
3	Exposure Glass	10	SIO
4	1st mirror	11	3rd mirror
5	Lens Block Cover	12	Anti-condensation Heater (option)
6	Lens Block	13	Light Path
7	IDB		

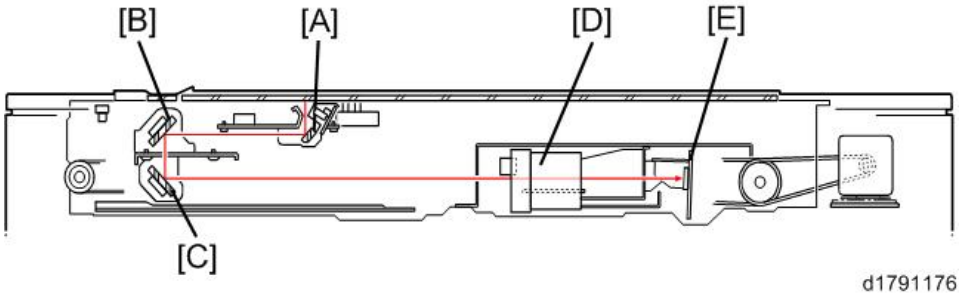
Configuration

Scanner	LED exposure lamp
	SBU (3-line CCD with 600 dpi resolution)
Scanning Mechanism	Scanner motor (dual-phase stepper motor)
	Wire pulleys
	Scanner HP sensor
Original Size Detection	APS (Length Sensor x1)
Miscellaneous	Anti-condensation heater (option)

Details

Scanner

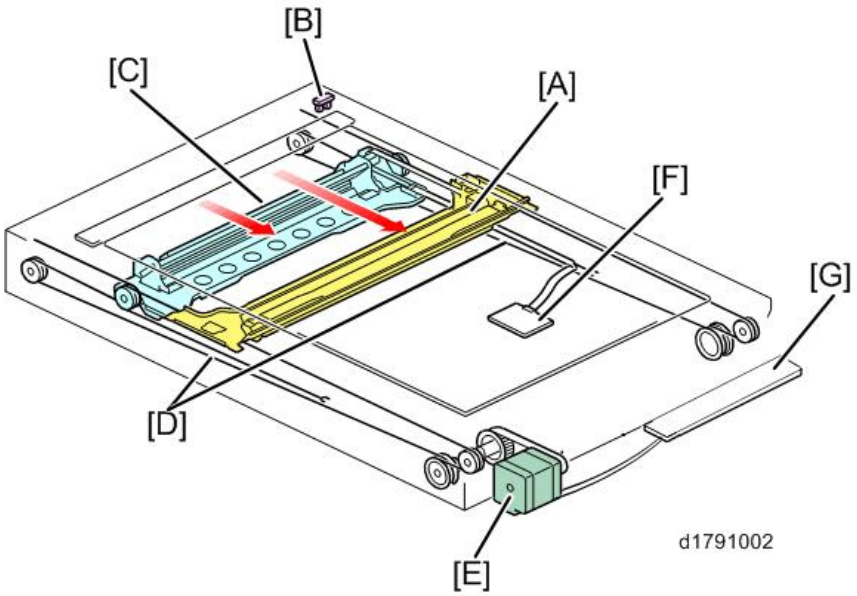
This machine uses an LED lamp [A] as the light source. An LED lamp consumes little power, delivers en ample amount of light after a short warm-up time, so it was selected over a Xenon lamp for this machine. The light from the exposure lamp to the CCD follows this path:



1st Mirror [A] > 2nd Mirror [B] > 3rd Mirror [C] > Lens [D] > CCD [E]

- LED Lamp
  An LED lamp consumes little power, and delivers an ample amount of light after a short warm-up time, so it was selected over a Xenon lamp for this machine.
- CCD
  Color CCD with three-color mixing (RGB) with varied electric signals.
  Employs a CCD element capable of 600 dpi resolution.
- Shading Correction
  A white standard seal is affixed to the rear scale which the machine uses to calibrate the white balance with light reflected from the LED exposure lamp as soon as the machine is turned on. Shading is done on the flatbed scanner one original at a time, regardless of whether the image is FC or B&W. When scanning with the ADF, shading correction is done before the first original is scanned, and then executed again at prescribed intervals (more than one minute), regardless of whether the originals are FC or B&W.

Scanner Drive

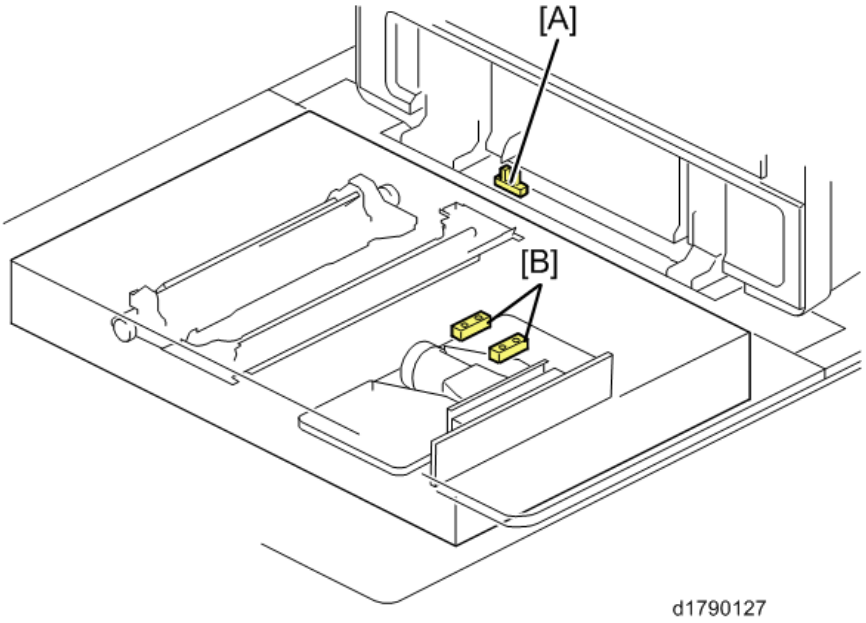


No.	Name	No.	Name
A	1st Carriage	E	Scanner Motor
B	Scanner HP Sensor	F	IDB

No.	Name	No.	Name
C	2nd Carriage	G	SIO
D	Scanner Wire		

The scanner is operated by wire pulleys controlled by the scanner motor. The position of the scanner (1st carriage) [A] is controlled by the scanner HP sensor [B]. The scanner HP sensor [B] is positioned at the sheet-through document feeder scanning position.

Original Size Detection



No.	Name
A	Platen Sensor
B	APS sensor

- The platen sensor [A] triggers original size detection when the platen is closed.
- One document length sensor [B] (a photosensor) is used to detect document length.
- The photosensor checks whether paper is present or not as pre-scanning starts.
- When paper is not detected, this result is used for original size detection data immediately after [Start] is pressed.

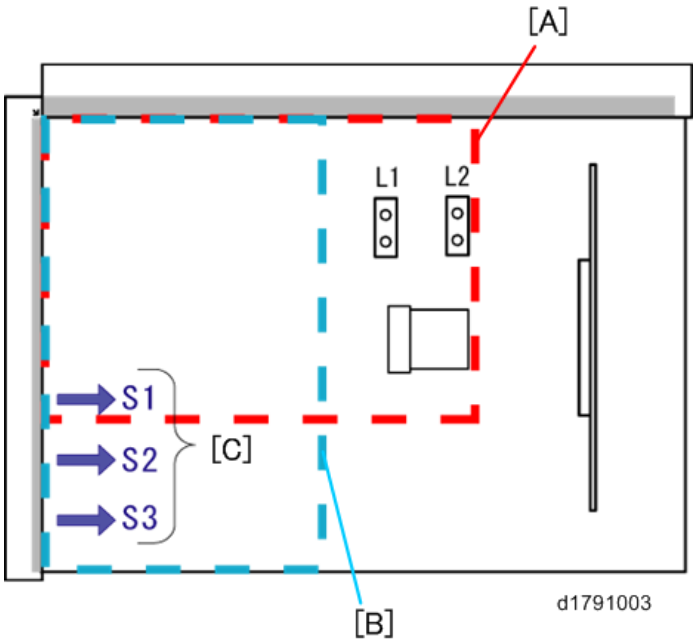
Length Detection

The APS sensor detects original length. SP4301-001 (APS Confirm) can be used to confirm the status of each sensor used to detect original size. The displays for each original size viewed with SP4301-001 are described below.

Important

- Due to the layout of the sensors, the sizes of originals smaller than B5 cannot be detected and the display shows only zeroes.

7.Detailed Description



No.	Name
A	A4 SEF
B	A4 LEF
C	Original size detection area for pre-scanning

Size	L1 (APS)	L2 (APS)	SP4301-001 Display
A3/DLT	✓	✓	00000011
B4/LG	✓	✓	00000011
A4 SEF	✓	✓	00000011
LT SEF	✓	-	00000001
A4 /LT LEF	-	-	00000000
B5 SEF	✓	-	00000001
B5 LEF	-	-	00000000
A5/HLT SEF	-	-	00000000
A5/HLT LEF	-	-	00000000

Width Detection

SP4310-001: Value of S1 position reading of R at CCD original scan	If the value is more than "18", then there is an original at S1.
SP4310-002: Value of S1 position reading of G at CCD original scan	
SP4310-003: Value of S1 position reading of B at CCD original	
SP4310-004: Value of S2 position reading or R at CCD original scan	If the value is more than 18, then there is an original at S2.

SP4310-005: Value of S2 position reading of G at CCD original scan	
SP4310-006: Value of S2 position reading of B at CCD original scan	
SP4310-007: Value of S3 position reading of R at CCD original scan	If the value is more than "18" then there is an original at S3.
SP4310-008: Value of S3 position reading of G at CCD original scan	
SP4-310-009: Value of S1 position reading of B at CCD original scan	

Size	Orient	S1	S2	S3
A3/DLT	SEF	-	-	✓
B4/LG	SEF	-	✓	-
A4/LT	SEF	✓	-	-
A4/LT	LEF	-	-	✓
B5	SEF	-	-	-
B5	LEF	-	✓	-
A5/HLT	SEF	-	-	-
A5/HLT	LEF	✓	-	-
B6	SEF	-	-	-
B6	LEF	-	-	-

If the value detected by the CCD and displayed with SP4310-001 to 009 is greater than 18, then it is determined that an original is present in the width direction. The values that are displayed with these SP codes are always from the most recent detection.

Dust, Streak Detection

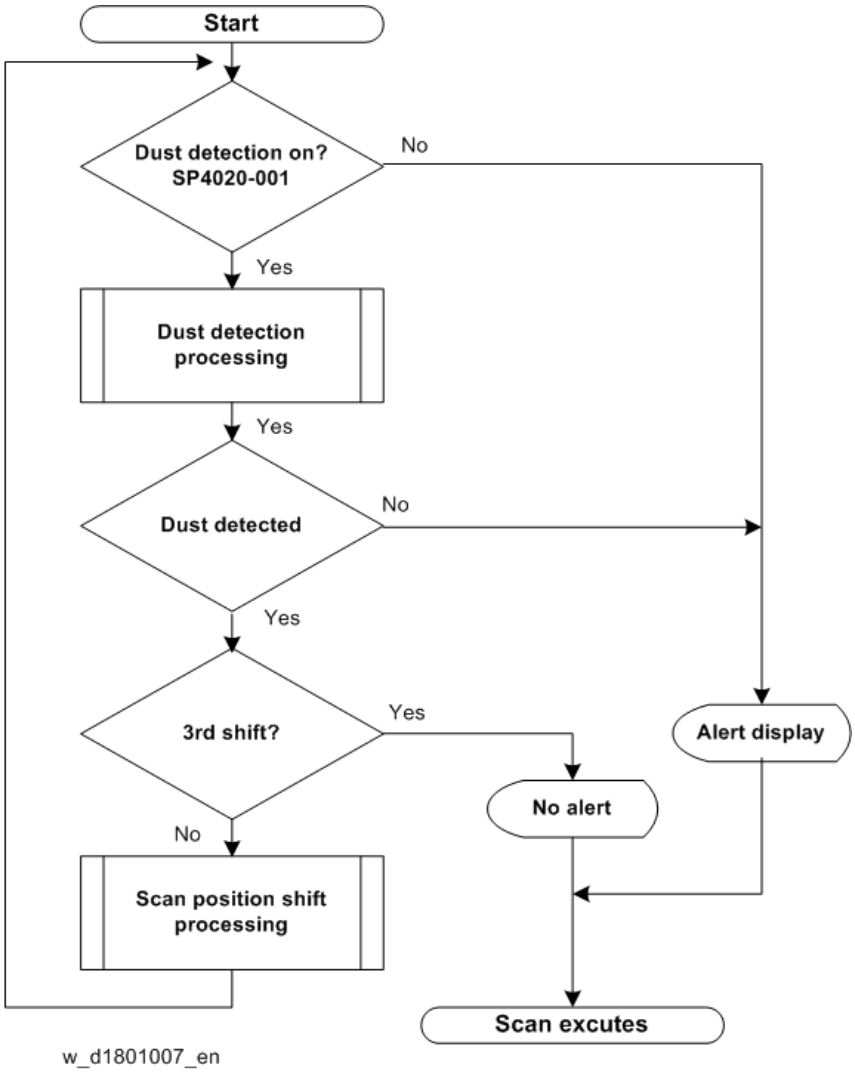
The machine checks for dust, streaking, and other matter at the ADF scan position after setting the original and pressing [Start]. Dust detection processing is done before starting feed for a job, and then it is determined if there are streaks in the image output. The operation flow is different, depending on how the following SP codes are set.

Related SP Codes

- **SP4020-001**: DF Dust Detection Setting. Select On/Off (Default: 0 DF dust detection OFF)
- **SP4020-002**: DF Dust Detection Setting Level Switching
- **SP4020-003**: DF Dust Detection Setting - Correction Level Switching
- **SP7852-001**: DF Scan Glass - Dust Detection Counter

7.Detailed Description

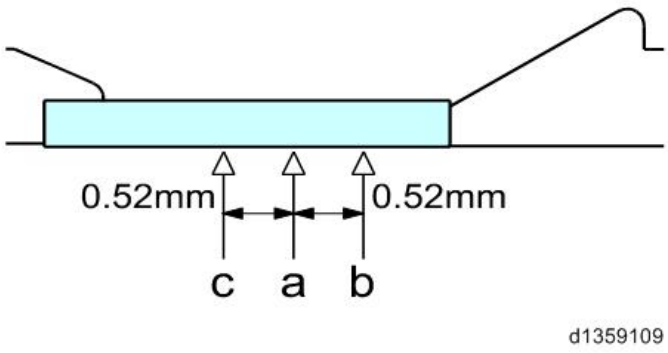
- **SP7852-002**: DF Scan Glass - Dust Detection Counter



Scan Position Shift

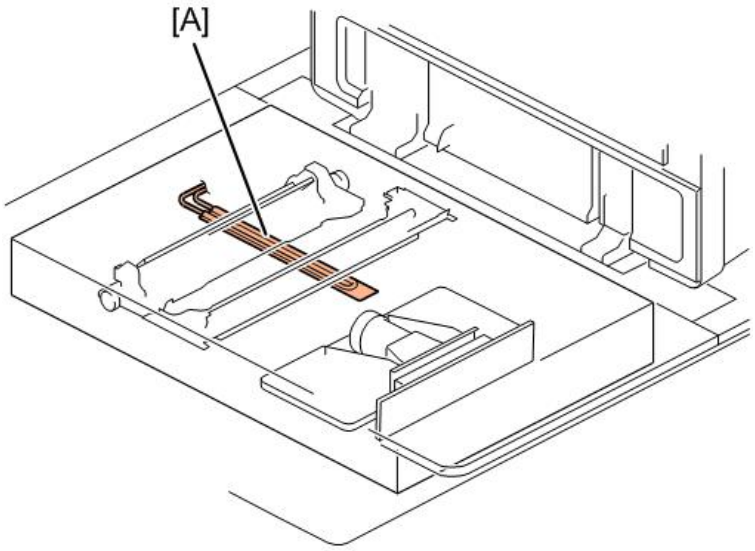
If it is determined that dust or streaking is present, the scanning position can shift to avoid the streaked area. The scanning area in the DF scan mode can be shifted from HP (default) to the right 0.52 mm (b), and to the left 0.52 mm (c):

a > b > c > a > b.



Normally, the shift is done a > b > c > a > b.

Anti-condensation Heater (Option)



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No.	Name
A	Anti-condensation Heater

Condensation can form around the 1st, 2nd, and 3rd mirrors of the scanner after a cold start in areas where the ambient temperature is low or humidity is high. Both conditions can lead to streaking and other image quality problems.

- These problems can be solved by installation of a anti-condensation heater [A] directly under the scanner unit.
- When the machine is switched off with the operation switch at the end of the work day, the heater will switch on to prevent condensation from forming while the machine is idle.

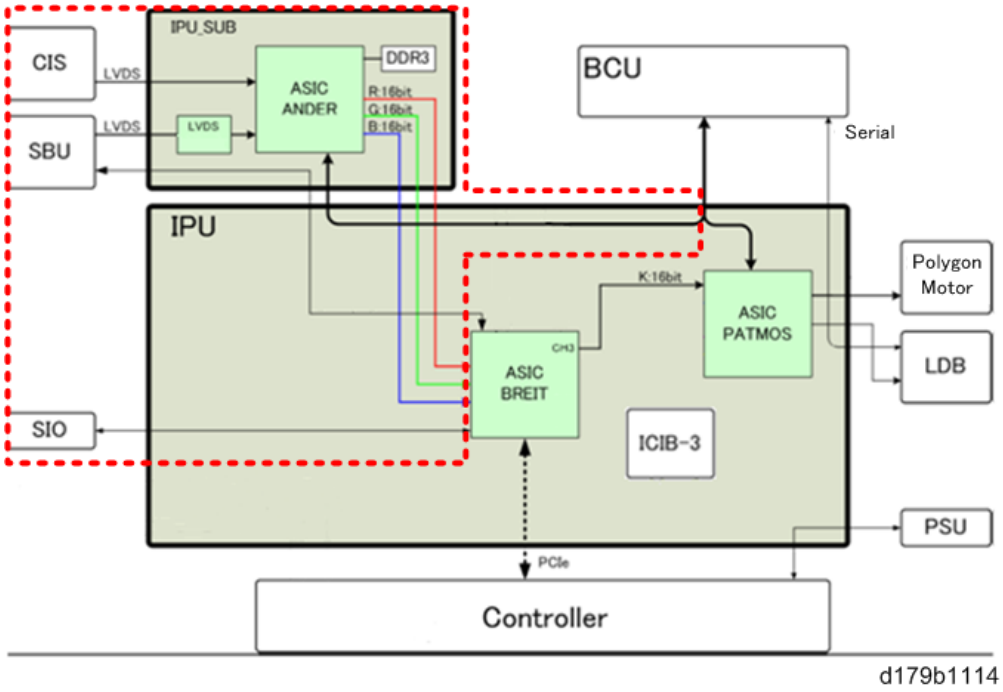
Image Processing

Overview

Block Diagram

Note

- The components within the dotted line are scanner components in the copier model.



Details

SBU (Sensor Board Unit)- Copier Model Only

The SBU converts CCD output to digital signals that are then sent to the IPU.

- **Scanner Data Processing**

  Scanner data processing includes the following AE functions: black level correction, white level correction, and gray balance correction.

- **Operation**

  Each of the 3-line (RGB) analog signals from the CCD is split into four (ODD, EVEN, F/L), sampled at the signal processing ASIC, and then converted to digital signals and stored by the 10-bit AD converter.

- **Stored Special Settings**

  The values of the SBU are stored in the BCU. These special values require readjustment after the lens block converts them.

  - SP4-008-001 Sub Scan Magnification Adjustment
  - SP4-010-001 Sub Scan Registration Adjustment
  - SP4-011-001 Main Scan Registration

- **Test Mode**

An SP code can create and self-diagnostic test pattern for the SBU. To output this pattern from the scanner, select the SP code and then press [Start]. You can then visually check the quality of the print.

SP4-699-001 SBU Test Pattern Settings

0	Default - Normal Image Output
1	Test pattern output, fixed pattern output (682 digit)
2	Test pattern output, main scan gradation pattern (10-bit level, 2-step)
3	Test pattern output, sub scan gradation pattern (10-bit level, 2-line step)
4	Test pattern output, matrix pattern (20 x 10 mm grid pattern)

IPU (Image Processing Unit) Functions - Copier/Printer Models

- Receives image signals from the controller (memory) over the PCI bus, processes the signals, and then sends them to the LDB.
- Power and individual signal relay
- For more about image processing flow, please refer to the block diagram above.

IPU (Image Processing Unit) Functions - Copier Model Only

- Scanner control
- Performs each type of processing required of the data signals from the SBU, and also outputs to the controller (memory) via the PCI bus.
- Outputs ADF control signals during ADF scanning.
- The digital signal data sent from the SBU to the IPU board is processed for shading correction and line interval correction, and then the data is finally sent to the printer as 2-bit/pixel digital signals.
- For more about image processing flow, please refer to the block diagram above.

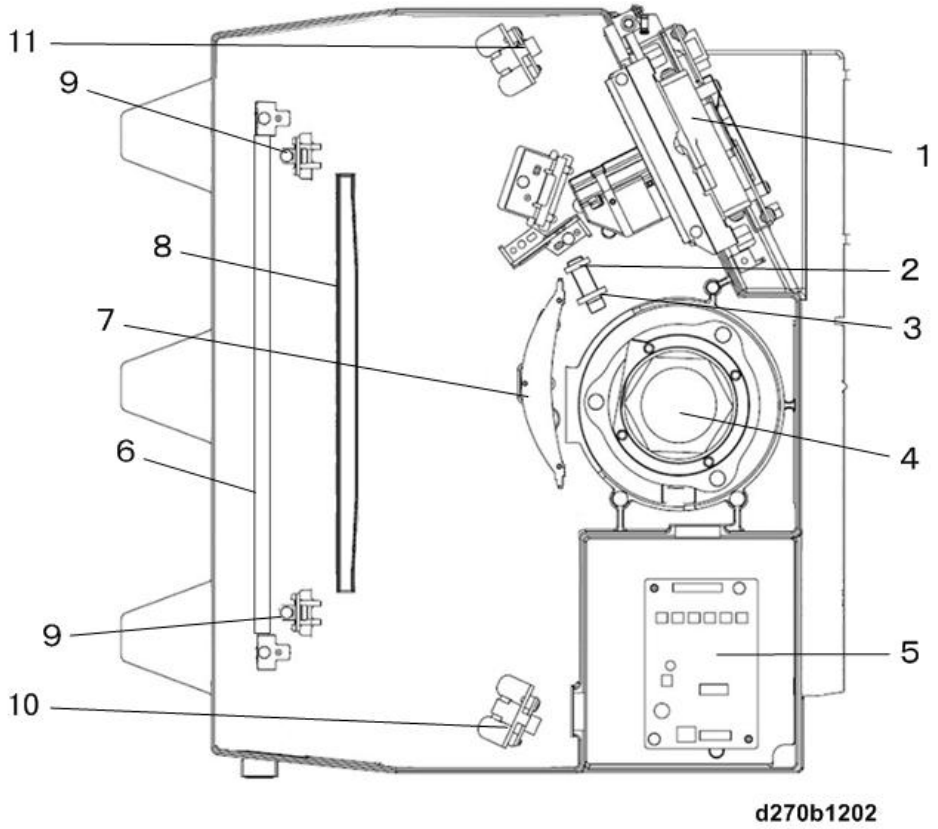
Laser Unit

Overview and Mechanism

Overview

A polygon motor, LD unit, and laser synchronization detector (leading edge, trailing edge) comprise the laser unit of this machine.

LD unit Lenses, Motor, Sensors



1	LD Unit	7	Lens 1
2	Cylindrical Lens 1	8	Lens 2
3	Cylindrical Lens 2	9	Beam Detector Mirror
4	Polygon Mirror	10	Synchronizing Detector Board (Leading Edge)
5	Polygon Motor PCB	11	Synchronizing Detector Board (Trailing Edge)
6	1st Mirror		

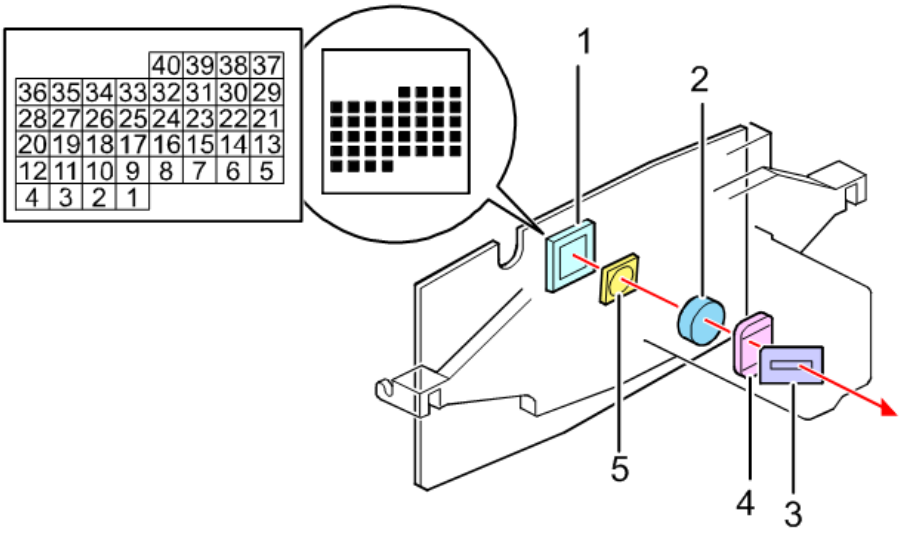
Details

Laser Unit

LD Unit	
• 40 Beam Exposure	40-beam technology uses VCSEL (Vertical Cavity Surface Emitting Diode)

• LD Safety Switches	Power circuit to the LD unit cuts whenever the front doors are opened, the toner bank door is opened, or the front edge cover is removed
Line Scan Mechanism	
• Mirrors, Lenses	Each mirror and lens reflects and guides the laser beams
• Polygon Mirror Motor	Hexagonal mirror, rotates counter-clockwise

LD Unit Mechanism



No.	Name	No.	Name
1	VCSEL	4	Lens (TCL)
2	Collimating Lens	5	1/4 Wavelength Board
3	Aperture		

- The LD unit employs VCSEL (Vertical Cavity Surface Emitting Laser) technology. 40 channels (ch1 to ch4) emit 40 laser beams.
- A photosensor, built into the VCSEL on the LD board, detects laser output.
- The laser diode (LD) fires the laser beams through the aperture of the collimating lens where photosensors detect the output.
- After the beams pass through the refraction grid, 1/4 wave length board, collimating lens, and aperture, the sides of the polygon mirror in the path of the beams reflect them onto the drum.
- VCSEL control also slows the rotation of the polygon motor to suppress heat and electrical discharge.

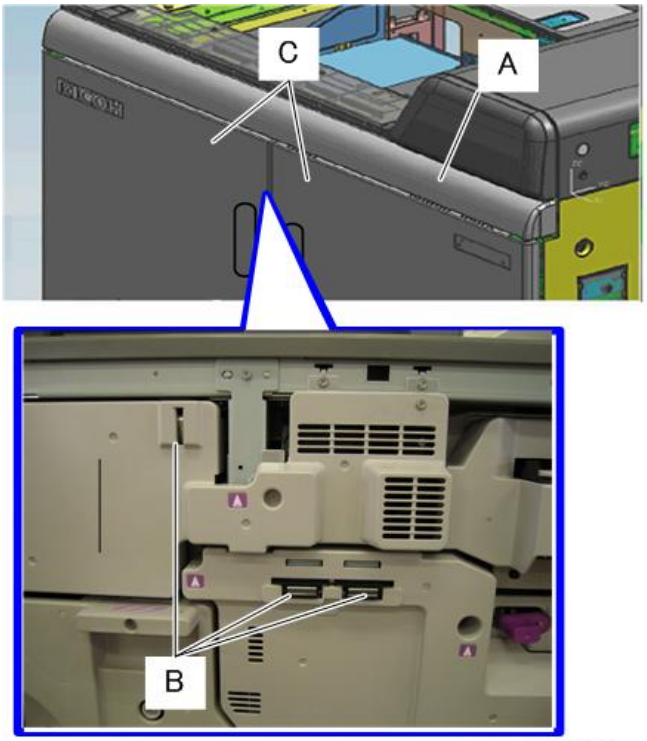
40-Beam Laser Writing

The following points highlight the VCSEL system.

- Low threshold current, low power consumption
- High resolution, precision scanning in the sub scan direction (4800 dpi)
- Slowing the rotation of the polygon motor for 40-beam exposure reduces heat and noise

LD Safety Switches

When either of the front doors [C] are opened, or when the front edge cover [A] is removed, the safety switches [B] disable the laser unit to prevent it from accidentally firing. The safety switches are installed on the 5V power supply line from the PSU that supplies power to the laser unit.



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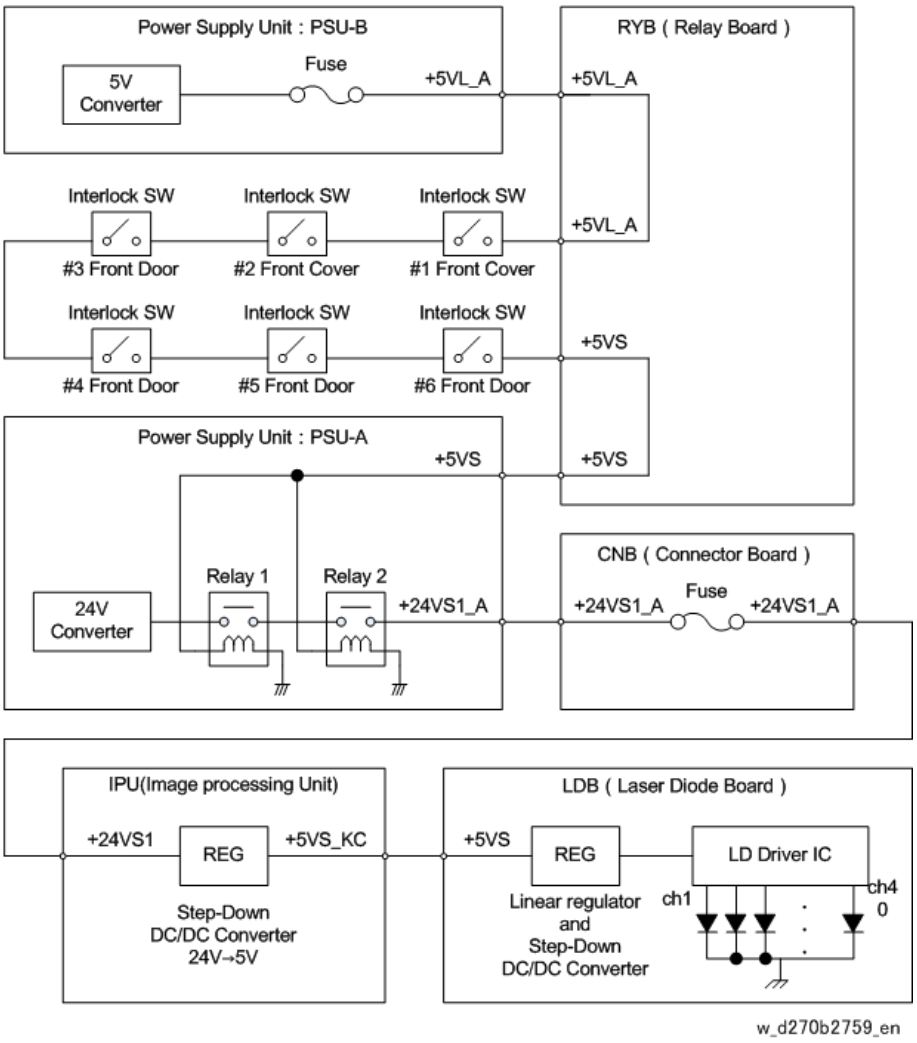
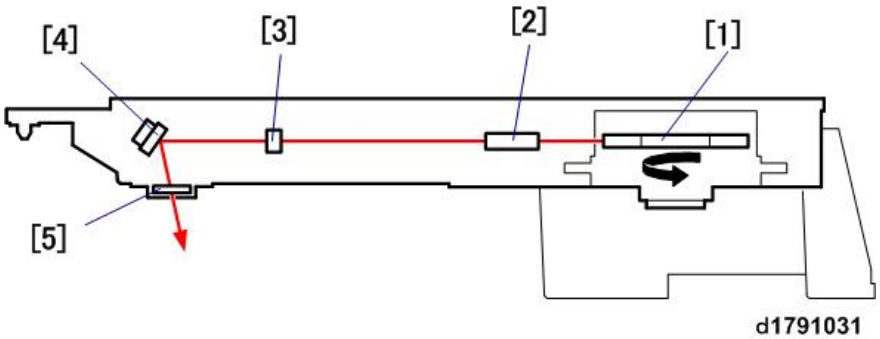
In this machine, the mechanism that enables laser operation is a 24V line, interrupted using a 5V relay and then 24V is dropped to +5V by a regulator. To ensure the safety of the machine operators and service technicians, six switches prevent the laser beams from switching on accidentally. When either front door or the toner bank door (front cover) is opened, or when the front edge cover is removed, the +5V line connecting each LD driver on the LD control board is disconnected to disable the laser units.



Line Scanning (Mirrors, Lenses, Polygon Mirror Motor)



No.	Name	No.	Name
1	Polygon Mirror	4	1st mirror
2	Lens 1	5	Dust Prevention Glass
3	Lens 2	-	-

The operation of the LD unit is synchronized with the paper feed timing. The laser beams fire through the cylindrical lens (where the beams are corrected), onto the facets of the polygon mirror (main scan writing), through lens 1 and lens 2, onto the 1st mirror, and finally through the dust protector glass onto the drum below.

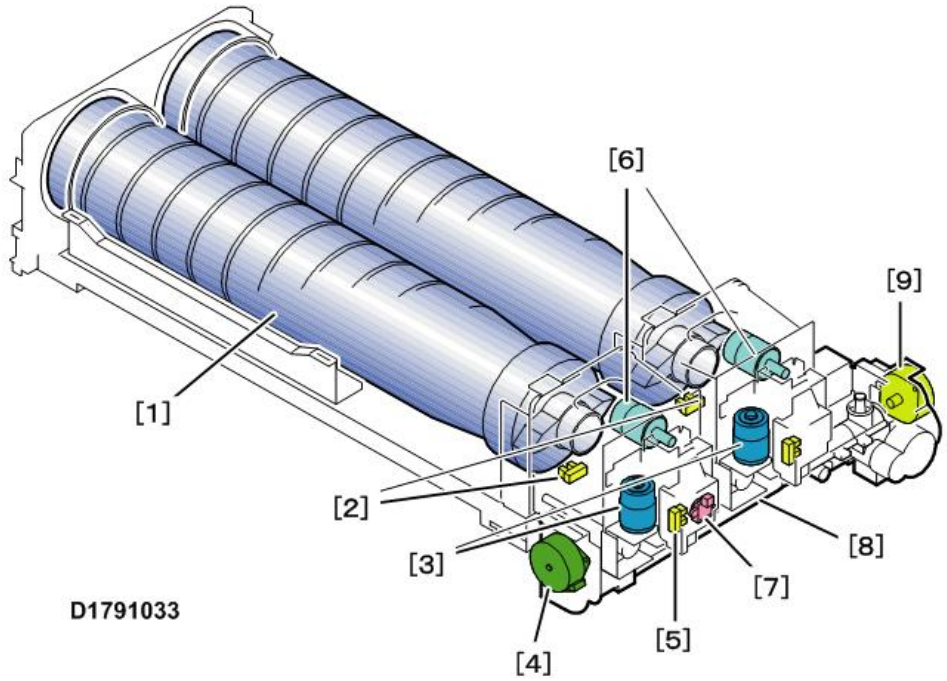
- The polygon mirror motor is the single motor that rotates the polygon mirror with 6 reflecting facets around its edge.
- Each facet on the edge of the rotating polygon mirror reflects 40 beams simultaneously onto the photo conductive surface of the drum.
- The speed of rotation of the polygon mirror motor for the models listed in the table below is the same for OHP transparency, thick paper, and normal paper.

Model	rpm
RICOH Pro 8200S	29156
RICOH Pro 8210S/8210Y	29528
RICOH Pro 8220S/8220Y	30236

Toner Supply Unit

Overview and Mechanisms

Layout



No.	Name	No.	Name
1	Toner Bottles	6	Bottle Inner Cap Motors (x2)
2	Bottle Set Sensors	7	Toner End Sensors
3	Bottle Motors (x2)	8	Sub Hopper
4	Toner Agitator Motor	9	Toner Feed Motor
5	Bottle Inner Cap Sensors (x2)	-	-

Details

Toner Supply Unit

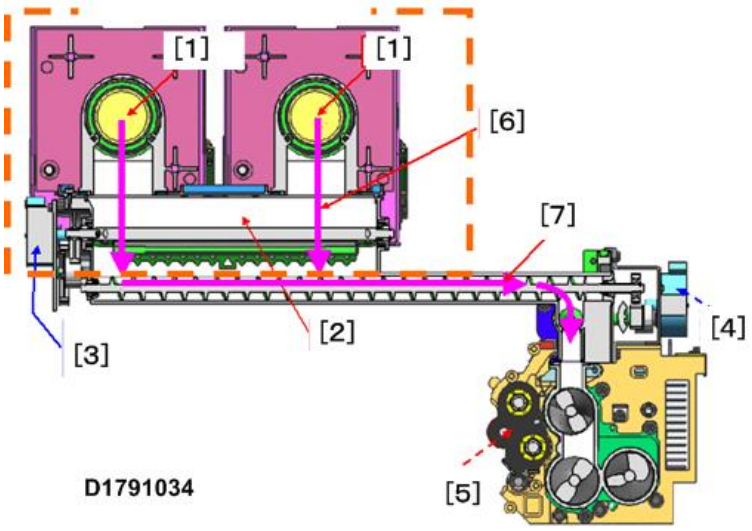
Toner Supply Mechanisms	
• Toner Bottle Drive	Bottle motors rotate toner bottles
• Sub Hopper	Toner agitator motor mixes toner in sub hopper
• Toner Transport	Toner feed motor supplies toner to development unit
• Toner Supply	Controlled with one of two methods: toner density active control method or pixel count method
• Bottle Lock Detection	Bottle set sensor detects when bottle is locked in place and ready for operation.

Toner Bottle Drive

When a toner bottle is set in its cradle:

- The toner set sensor detects the bottle as soon as it is locked in place. This signals the inner cap motor to switch on and open the inner cap of the bottle.
- Each of the two toner bottles has its own bottle motor that rotates the bottle to feed toner from the bottle into the toner hopper.

Toner Transport



No.	Name	No.	Name
1	Toner Bottle	5	Development Unit
2	Sub Hopper	6	Toner filling from bottle to sub hopper
3	Toner Agitator Motor	7	From sub hopper to development unit
4	Toner Feed Motor		

The toner fed into the sub hopper is mixed by a coil driven by the toner agitator motor.

- The toner end sensor of the sub hopper detects when there is insufficient toner inside the sub hopper and signals the toner bottle motor to rotate the bottle and send more toner.
- The toner feed motor rotates the coil that feeds toner from the toner sub hopper to the development unit.

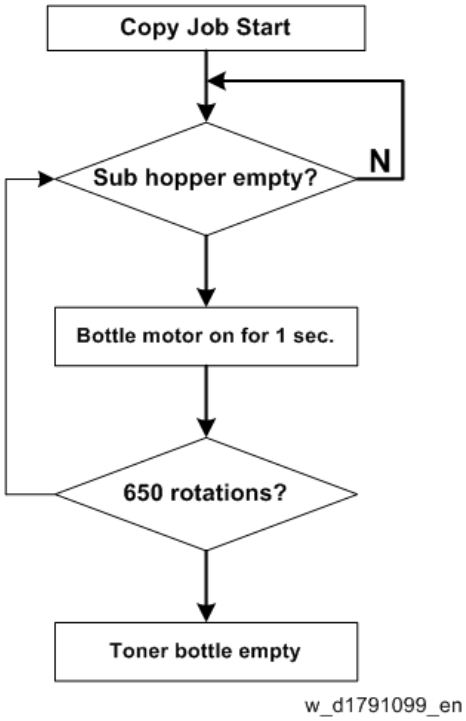
Toner End, Near End Detection

When the toner end sensor detects that there is no toner in the toner sub hopper:

- The bottle motor switches on for 1 sec. and rotates the toner bottle. This dumps more toner into the sub hopper.
- If the toner end sensor cannot detect toner in the sub hopper after 650 continuous rotations of the toner bottle, then the bottle is judged to be empty. When the bottle on the right is judged empty, toner supply switches to the bottle on the left.
- When both bottles are judged to be empty, or if only one toner bottle is installed and it is judged to be empty, the machine displays the near-end alert on the operation panel.

- Once the near-end alert appears, the machine can continue operating for approximately 1000 prints (A4 with 6% coverage), and then the toner end alert appears and the machine stops.

Toner Flow from Toner Bottle to Sub Hopper



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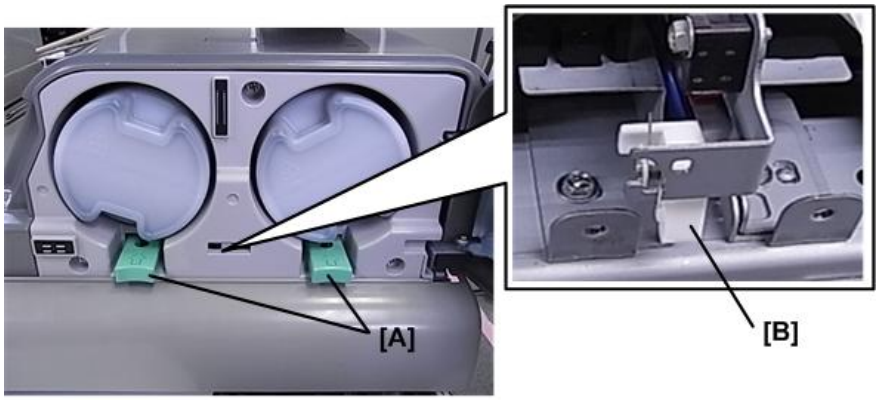
Bottle Lock Detection



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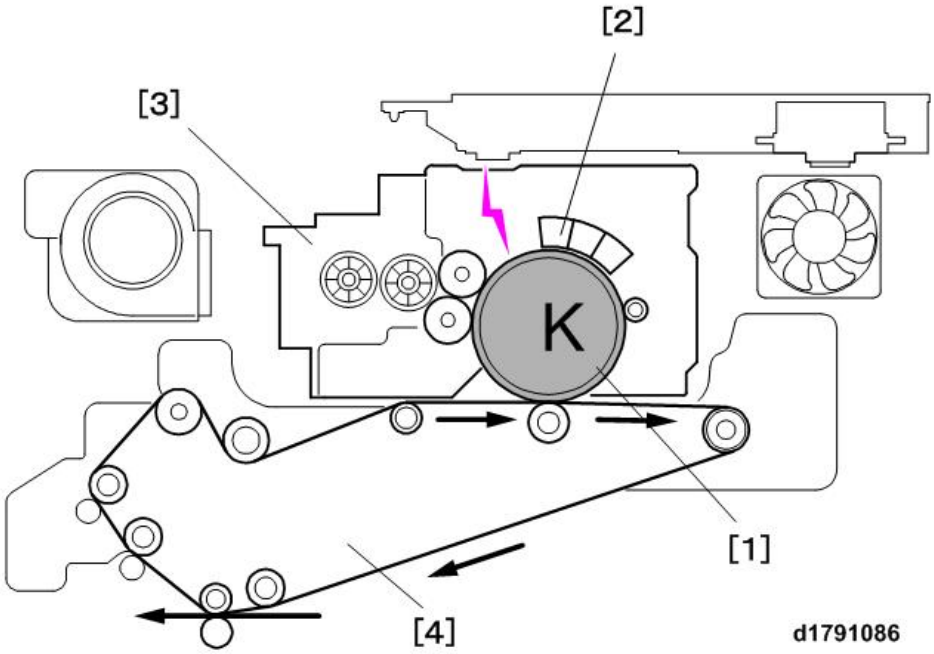
When the toner bottle is set, a lock mechanism locks it in place.

- Pressing release lever [A] unlocks the bottle so it can be removed.
- The interlock switch [B] detects when the toner bank door is opened to stop the rotation of the bottles, and this is also a safety device.
- The machine will continue to operate without pause after the toner near-end alert has appeared and the toner bank door is opened by the operator to replace the bottle.
- The operator should replace the bottle as quickly as possible because toner supply halts when the door is opened and will not resume until the door has been closed.

Around the Drum

Mechanisms

Layout



No.	Name
1	OPC Drum
2	Charge Unit
3	Development Unit
4	Image Transfer Unit

Unit Configuration

Drum method	Drum charge method
Drum charge method	Three Scorotron wires suspended above crescent shaped wire mesh grid
Charge quenching method	LED quenching light
Drum cleaning method	Counter cleaning blade Lubricant bar, blade, brush method

Mechanical Configuration

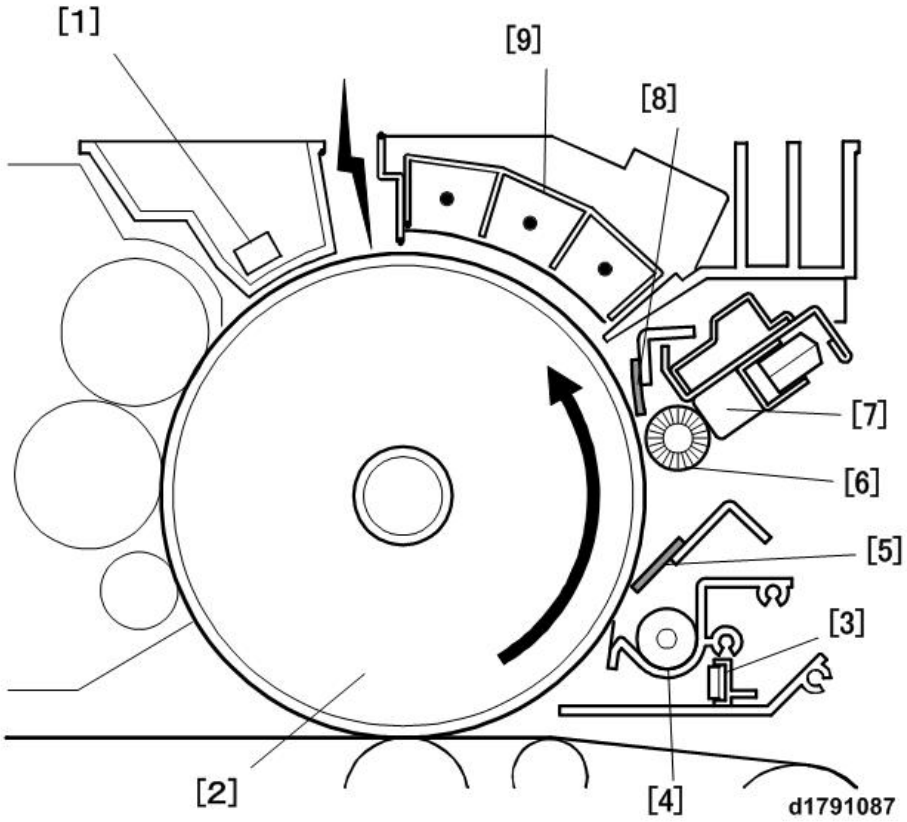
Around the Drum

Drum Charge Mechanism	
• Drum Charge, Quenching	Scorotron charge with drum charge quenching by LED
• Charge Wire Cleaning	Automatic cleaning of charge wire, electrical grid
Drum Drive	Drum motor drive
Drum Cleaning Unit	Counter blade method used in independent drum cleaning unit
Ventilation	Dust filter, fan provide clean ventilation for the unit

Development Unit	Ventilation with dust filter, ozone filter
• Toner	Pre-mixed developer, with replenishment at prescribed interval
• Toner Agitation Method	Three circulating augers transport toner to development unit
• Development Unit Drive	Development motor system
• Toner Density Control	TD sensor monitors toner density level
• Drum Ventilation	Cooling fans provide cooling
Lubricant End Detection	Two new lubricant end sensors on the ends of the cleaning unit

Mechanisms Around the Drum

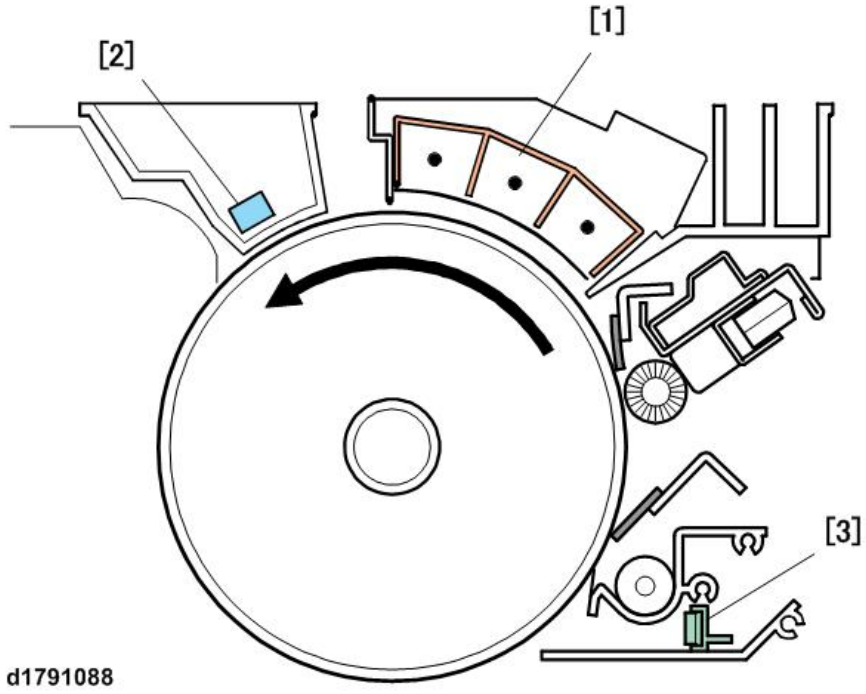
Layout



No.	Name	No.	Name
1	Drum Potential Sensor	6	Lubricant Brush Roller
2	Drum	7	Lubricant Bar
3	Quenching Lamp	8	Lubricant Blade
4	Toner Collection Coil	9	Drum Charge Unit
5	Cleaning Blade		

Details

Drum Charge Unit

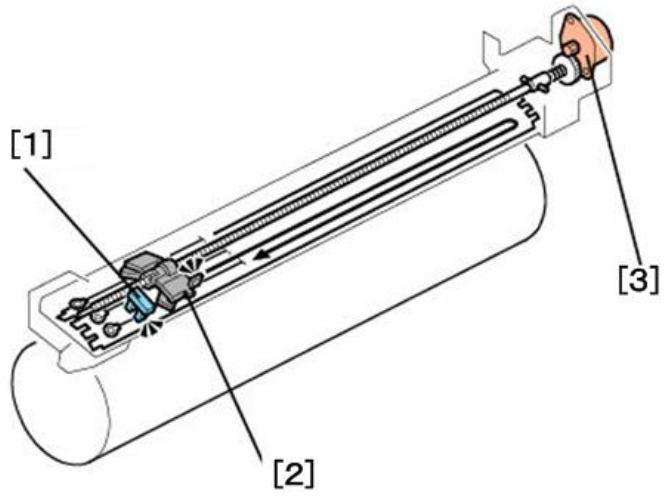


No.	Name
1	Drum Charge Unit
2	Drum Potential Sensor
3	Quenching Lamp

The drum charge system employs the Scorotron method, comprised of a charge wire and grid, to apply an even charge across the surface of the drum.

- A drum potential sensor above the drum monitors the charge evenly applied to the drum by charge wires and grid.
- The quenching lamp (an LED) mounted below the drum quenches the charge on the drum after every drum rotation to prepare the drum for the next application of charge and image.

Charge Wire Cleaning



No.	Name
1	Cleaning Unit HP Sensor
2	Wire Cleaner
3	Charge Wire Cleaner Motor

The charge unit uses a wire cleaning system to keep the charge corona wires clean and free of dust that can cause uneven charging of the drum service and lead to poor image quality.

- When the wire cleaner motor switches on, the wire cleaning pads move from rear to front along the wires to clean the wires and grid.
- After cleaning, the cleaning pads move to the cleaning pad HP sensor and then stop.
- The charge corona wires are cleaned automatically after every 6,000 printed pages. Or, the operator can clean them manually at any time.

Related SP Codes

- **SP2-220-001** Charger Cleaner Operation Start
  Executing this SP code cleans the charge wire automatically.
- **SP2-221-001** Charge Operation Mode

Allows selection of the timing for automatic cleaning of the charge corona wires.

0:	No cleaning, charge corona wires can be cleaned by execution of SP2-220 only.
1:	Cleaning done when process control is executed after the prescribed number of prints (p). Wire cleaning precedes process control execution. Executes based on the number of pages prescribed by SP2-221-002.
2:	Cleaning executes automatically after the count exceeds the prescribed number of pages, at the end of job in progress. Executes based on the number of pages prescribed by SP2-221-002. Default: 6,000 prints

- **SP2-221-002** Charger Cleaner Operation Interval
  This SP specifies the number of pages (p) for the charge wire cleaning interval.
  Default: 6,000 pages Range: 100 to 100,000 pages Step: 100 pages
- **SP2-221-003** Charge Cleaner Count Display
  Displays the total number of cleanings, both automatic and those done with **SP2200-001**.

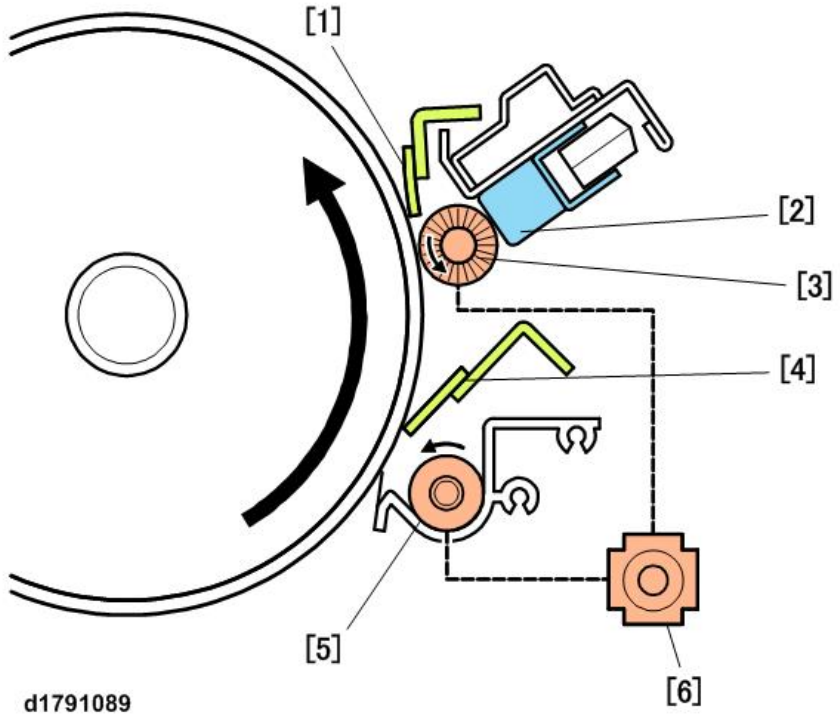
7.Detailed Description

- **SP2-221-004** Charge Cleaner Count Clear
  This SP clears the charge cleaner count displayed by **SP2-221-003**. Clears the count for the number of cleanings performed after the charge cleaner unit is removed and then re-installed in the machine. This counter should be cleared immediately after charge unit or corona wire replacement.

Drum Drive

The drum unit is driven by a dedicated drum motor. The same motor is not used to drive the development unit, in order to reduce load on the motor to ensure improvement of image quality.

Drum Cleaning Unit



No.	Name	No.	Name
1	Lubricant Blade	4	Cleaning Blade
2	Lubricant Bar	5	Toner Collection Coil
3	Lubricant Brush Roller	6	Drum Cleaning Motor

A drum cleaning motor drives a common gear train which in turn drives the lubricant roller and toner collection coil.

- A cleaning counter blade cleans paper dust and toner from the surface of the drum.
- A lubricant bar and lubricant roller apply lubricant to the surface of the drum to improve the efficiency of drum surface cleaning.
- Paper dust and toner cleaned from the surface of the drum drop into a rotating toner collection coil for transport to the toner collection bottle.

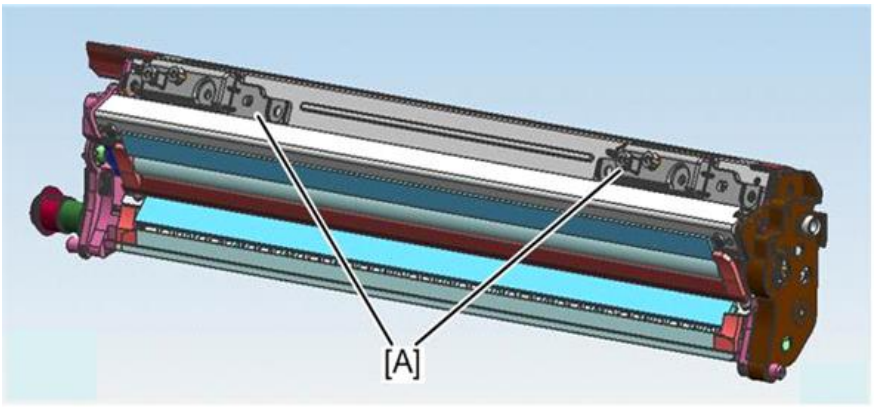
Lubricant End Detection

The drum cleaning unit has two devices to detect when the drum lubricant (provided on the lubricant bar to

prevent deterioration of drum surface) is depleted.

Lubricant End Detection Specifications

Status	Content
Lubricant mechanical detection	Detects a mechanical feeler pressing against the bar
Lubricant near-end	After the mechanical feeler is detected, another 10 km (A4 LEF or about 25 kP) of machine running is allowed, and then a message on the operation panel alerts the operator that the lubricant bar is nearly gone.
Lubricant end	The lubricant end alert is issued 40 km (A4 LEF or about 100 kP) of machine usage past the appearance of the near-end alert and the machine stops. The machine alerts the operator that the lubricant bar must be replaced.



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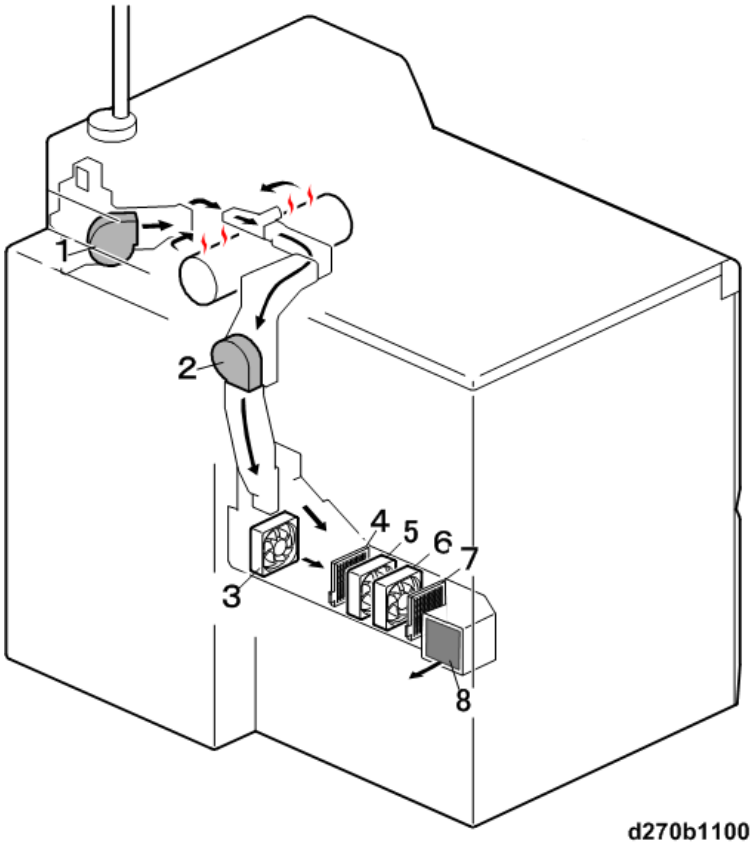
- The lubricant end sensors [A] are mounted at the top of the unit behind the lubricant blade.
- One is mounted at the front, and another at the rear, and either one can trigger a near-end alert.

Ventilation



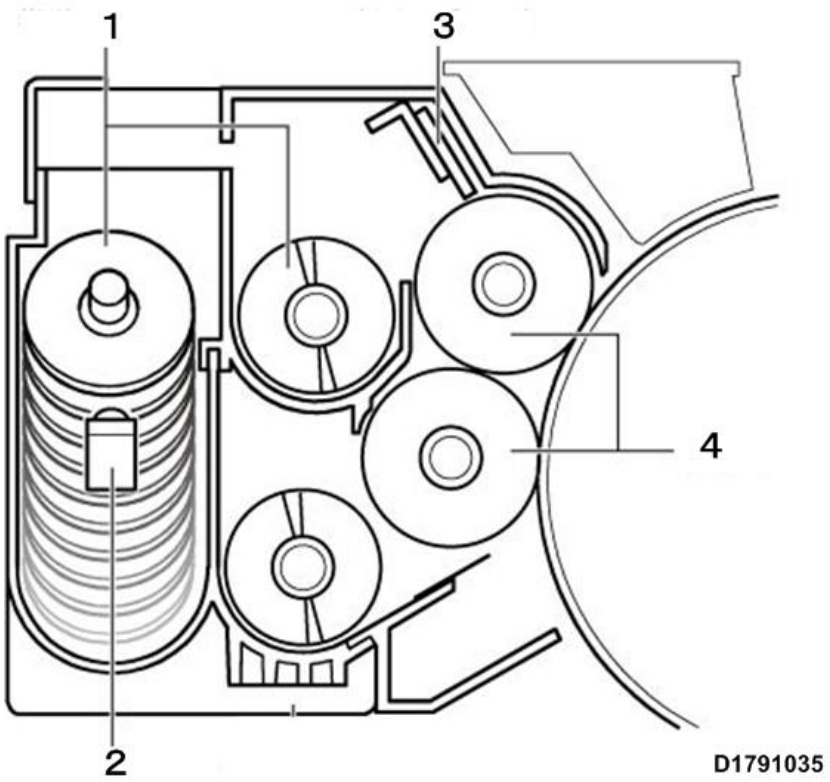
No.	Name
1	Ozone Air Intake Fan
2	Ozone Air Exhaust Fan
3	Fusing Transport Exhaust Fan
4	Fusing Exhaust Filter 1
5	Fusing Exhaust Fan: Upper
6	Fusing Exhaust Fan: Lower
7	Fusing Exhaust Filter 2
8	Ozone Filter

The drum cleaning unit has a fan and ozone filter to pick up heat and ozone generated by the charge corona unit and send it out of the machine. The ozone laden air is filtered through both an air filter to remove dust and an ozone filter to neutralize the ozone.

Development Unit

Development Unit Mechanism

Layout (Rollers, Motor, Sensors)

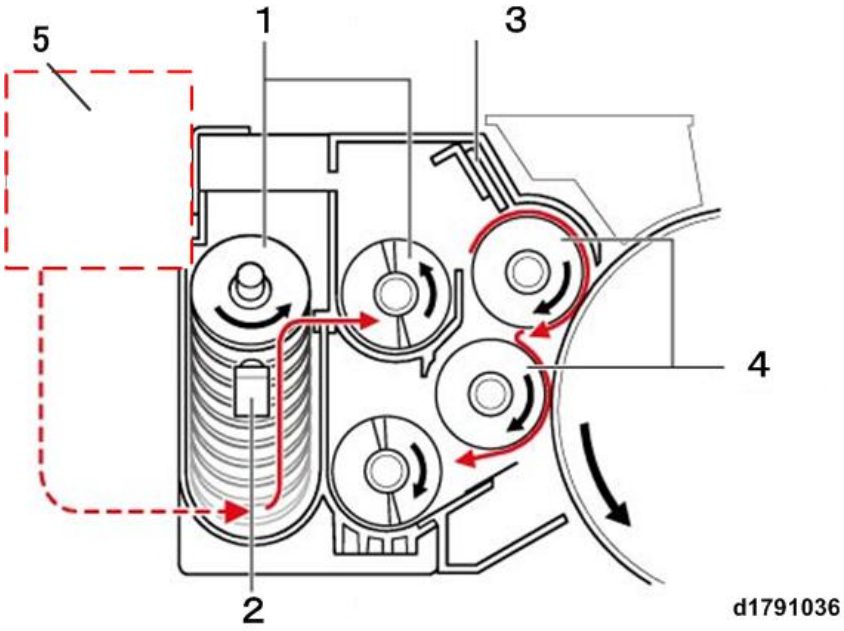


No.	Name	No.	Name
1	Transport Auger	3	Doctor Blade
2	TD Sensor	4	Development Sleeve

Unit Configuration

Development Method	Dual element, two-step development, circulating dry toner
Toner/developer mixing	Tri-axel auger method
Developer unit drive	Development motor comprises single, independent drive
Development bias	Applied with CGB power pack

Toner and Developer Mixing

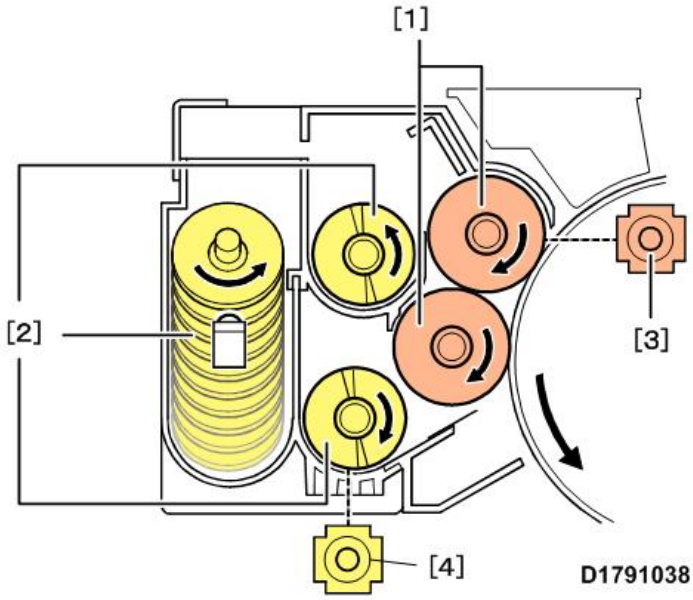


No.	Name	No.	Name
1	Transport Auger	4	Development Sleeve
2	TD Sensor	5	Sub Hopper
3	Doctor Blade		

Toner is moved from the toner bottle to the sub hopper, and then to the development unit. It is transported by two augers that mix the toner with the developer until the mixture reaches the development sleeve roller.

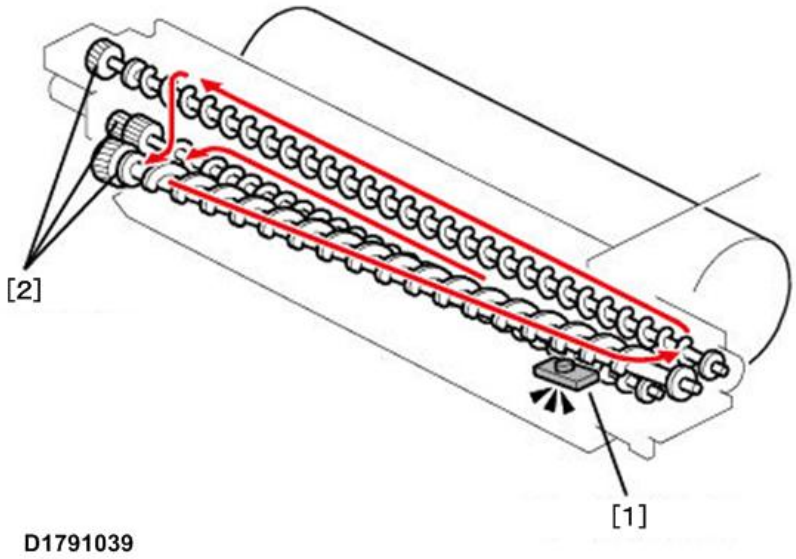
- The developer (toner/carrier mixture) is smoothed to an even thickness on the development sleeve by the doctor blade before the toner is passed onto the surface of the drum.
- There are two development sleeve rollers, if the supply of toner to the development sleeve above is insufficient then the development sleeve below can make up for the deficiency.
- Any carrier from the developer that adheres to the drum is collected by the toner collection roller.
- The developer transported by the development sleeve roller and toner collection roller falls onto the transport auger below and is circulated.

Developer Unit Drive



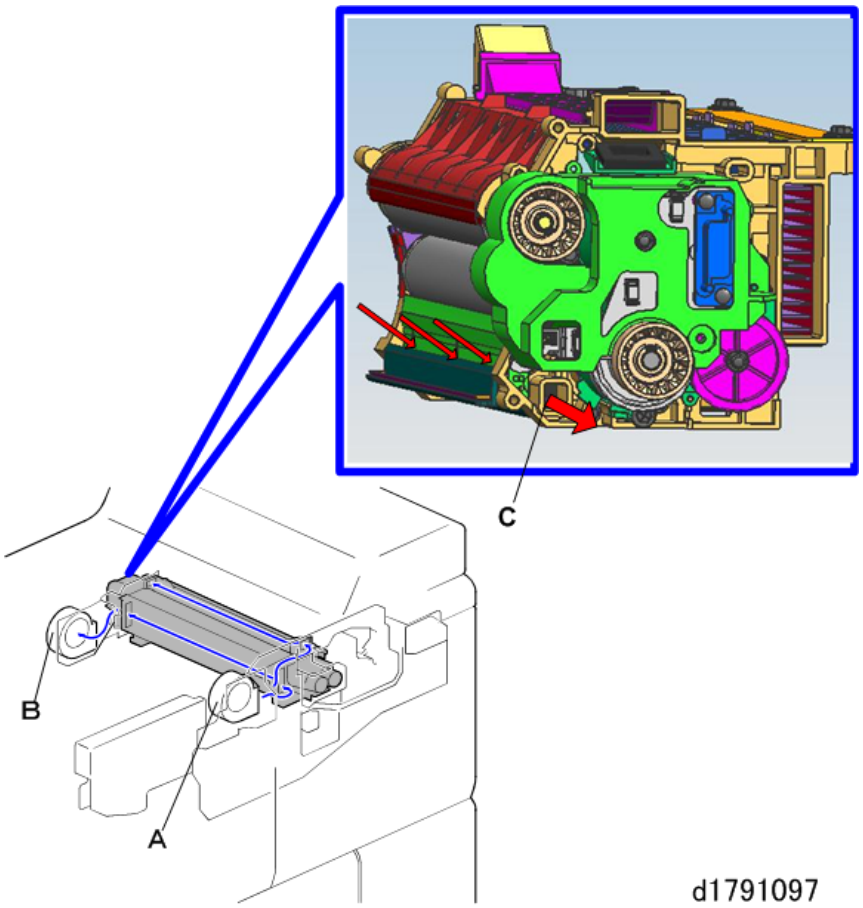
No.	Name	No.	Name
1	Development Rollers	3	Development Motor
2	Transport Augers	4	Toner Agitator Motor

This shows how the two development sleeves, three transport augers, and toner collection coil are driven.



The toner density sensor [1] is located at the higher end of the tilted toner collection coil, opposite the driven gears [2]. An ID chip built-into the TD sensor monitors the density of the toner for toner density control for the appearance of text and images on paper.

Ventilation

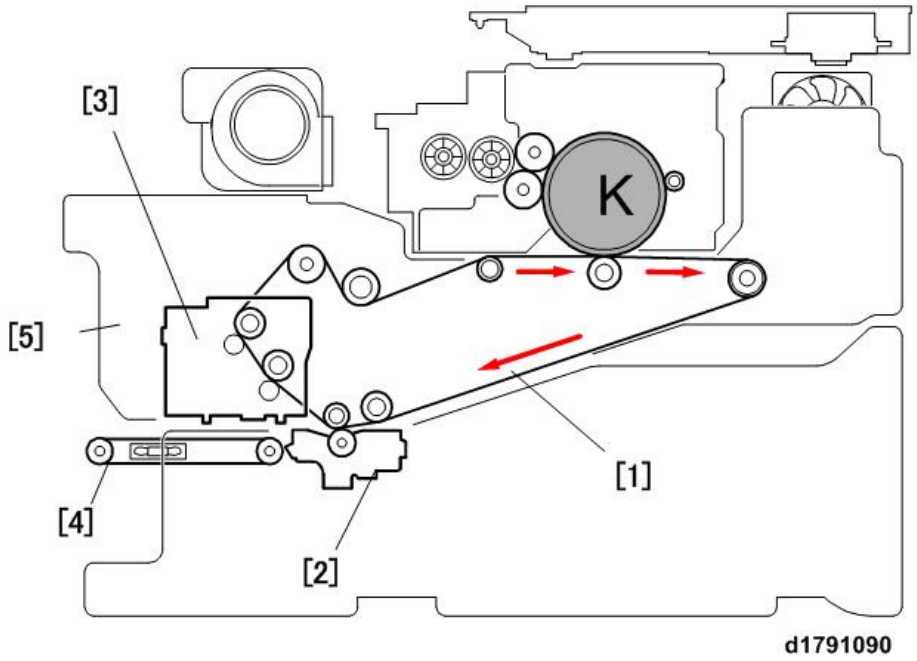


Two fans cool the development unit, one at the front [A] and one at the rear [B]. Fan [B] also prevents toner scatter by suctioning toner from below the development unit.

Image Transfer Unit

Overview and Mechanism

Overview



No.	Name
1	ITB (Image Transfer Belt)
2	PTR (Paper Transfer Roller) Unit
3	ITB Cleaning Unit
4	PTB (Paper Transport Belt) Unit
5	ITB Unit

The image transfer belt (ITB) and ITB cleaning unit comprise the image transfer unit.

- The image is first transferred from the drum to the image transfer belt and then carried to the PTR unit. At the PTR unit the image is taken from the belt and transferred to paper.
- The paper is separated from the ITB and then transported over the PTB unit to the fusing unit.,

Mechanical Configuration

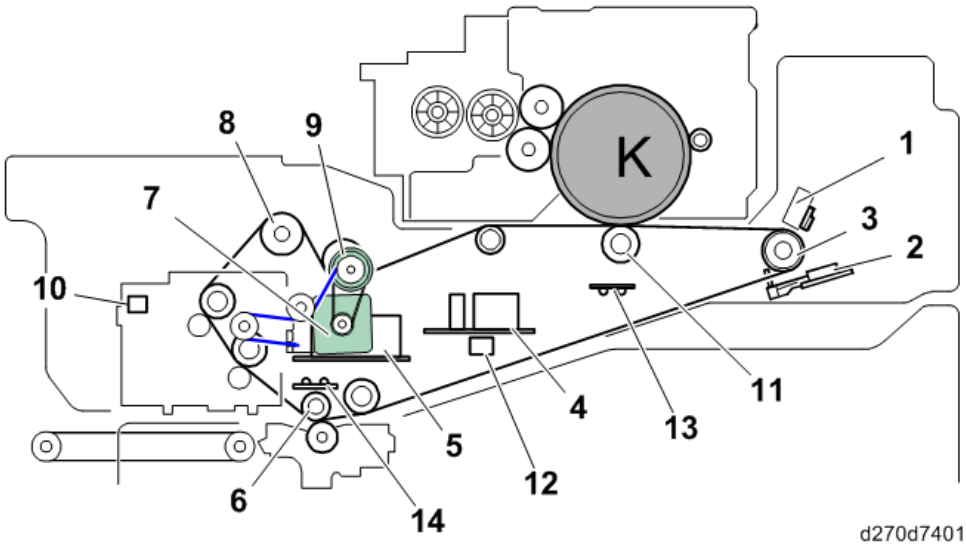
Image Transfer Unit

Image Transfer Mechanism	
• ITB Unit Drive	ITB is driven by the transfer belt motor
• Image Transfer Bias	Bias applied to the ITB
• Belt Position Correction	One motor to keep the belt centered
• Belt Ventilation	Cools the ITB unit
• ID Sensor Cleaning	A fan keeps the surface of ID sensor clean
Belt Cleaning Mechanism	

• ITB Cleaning	Counter blade system
• Belt Lubrication	Lubricant bar, lubricant brush roller, lubricant blade system
Paper Transfer Mechanism	
• Image to Paper Transfer	Bias applied to PTR pulls image from belt to paper
• Paper Separation from ITB	Applied quenching bias and curvature separation separate paper from ITB
• PTR Cleaning	Counter blade system
• PTR Lubrication	Lubricant bar, lubricant brush roller, lubricant blade system
• PTR Mechanism	Cam operated PTR separation
Transport to Fusing Unit	
• Transport Belts	Suction fans below the perforated belts keep the paper on the paper path.

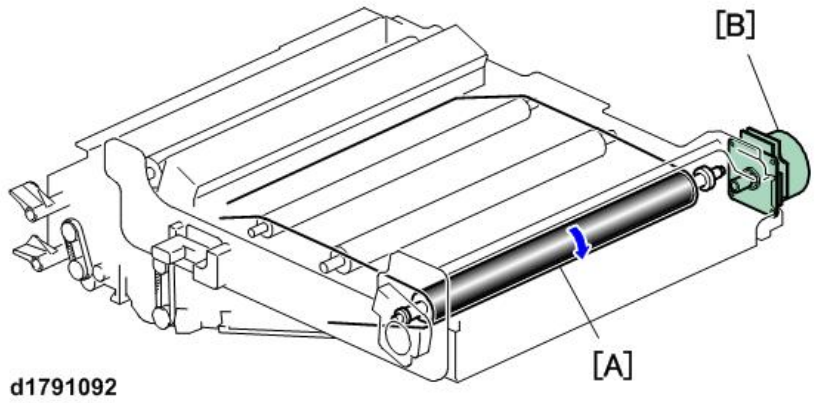
Details

Layout (Belt, Motor, Sensors)



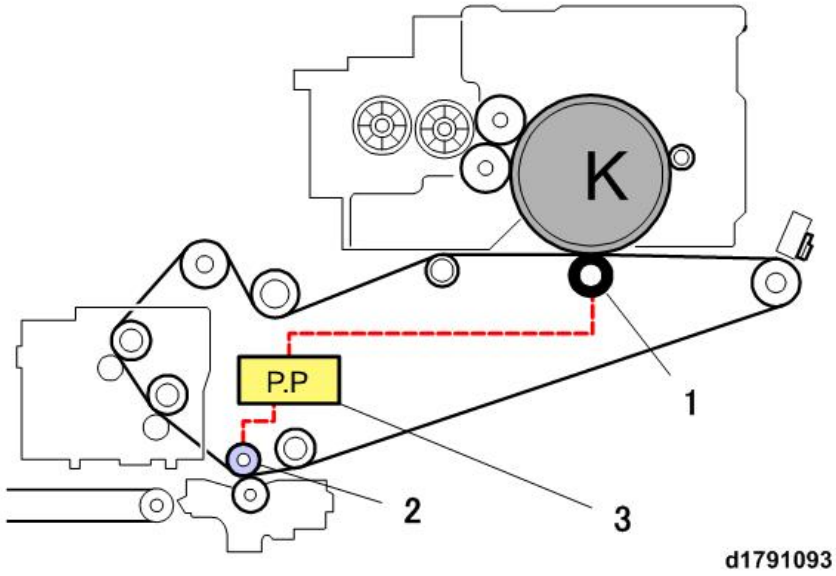
No.	Name	No.	Name
1	ID Sensor	8	Centering Roller
2	Belt Centering Sensor	9	Tension Roller
3	ITB Drive Roller	10	ITB Unit Set Sensor
4	TDRB (Transfer Drive Relay Board)	11	Image Transfer Roller
5	Transfer Power Pack	12	Thermostat
6	Transfer Roller Idle Roller	13	ITB Transfer Roller Heater
7	Belt Centering Motor	14	ITB Bias Roller Heater

Drive



The ITB is driven by gears, transport belt roller [A] and the transfer belt motor [B]. The line speed of the belt is controlled by the drive board of the transfer belt motor.

Transfer Bias



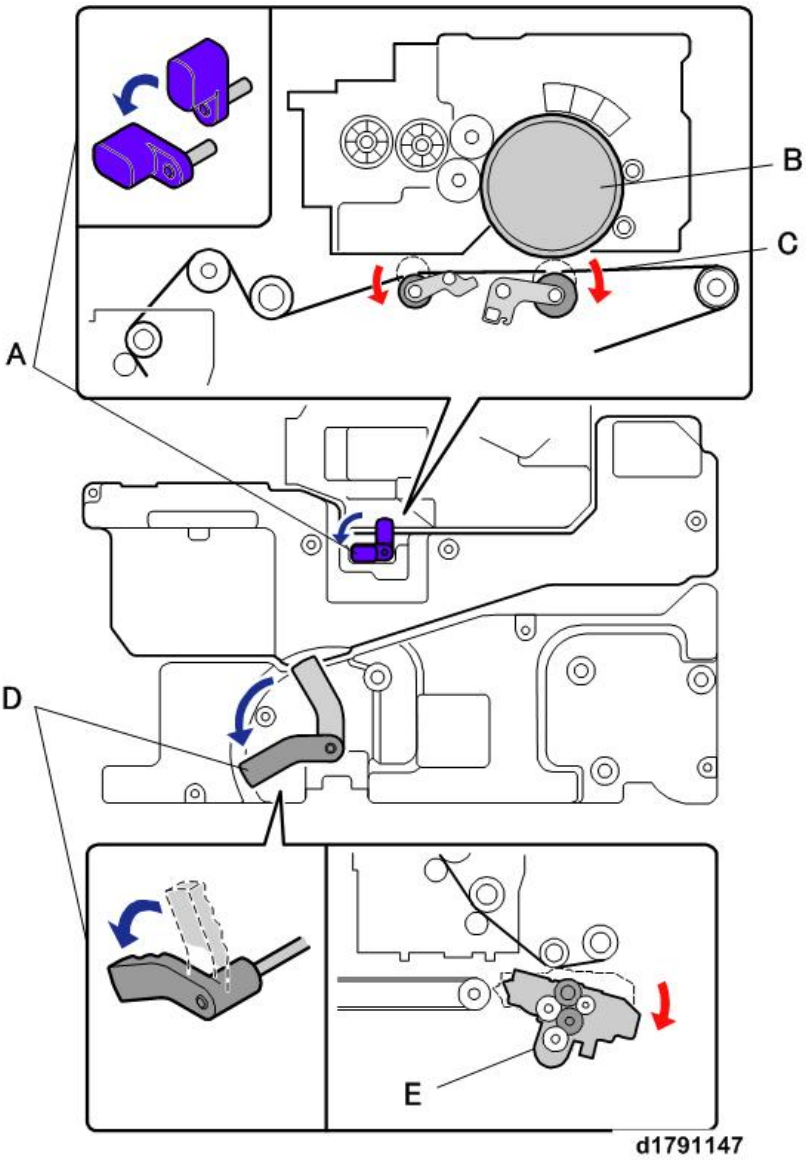
No.	Name
1	Image Transfer Roller
2	Transfer Roller Idle Roller
3	Transfer Power Pack

The bias charge that pulls the image from the drum onto the belt is applied by the transfer roller to the underside of the ITB.

- A negative bias is applied to the roller opposing the paper transfer roller to separate the paper from the belt (repulsive separation) in the PTR unit farther downstream.
- The bias at both points is supplied from the same power pack, the transfer power pack.
- By monitoring the resistance of the roller opposing the PTR, the machine determines the amount of wear in the roller and uses this mearurement to trigger SC453. When this occurs, a message is displayed on the operation panel to alert the user that the opposing transfer roller will need replacement soon and that they

should call for service.

ITB and Drum Separation



Normally the ITB is in contact with the ITB transfer roller and the drum (there is no motor mechanism to automatically change the position of the ITB).

There are two drum, transfer belt, and PTR separation mechanisms:

- Before the ITB unit is pulled out of the machine, pressure lever [A] must be lowered to separate the drum [B] and the belt [C], and the PTR unit must be removed to prevent scouring of the paper transfer roller.
- When lever [D] is lowered before pulling out the drawer, this separates the PTR from the drum and belt.

Belt Centering

This machine is equipped with a mechanism to keep the ITB and ITB roller straight and centered. The position of the belt is corrected by moving the far end of the belt centering roller when the ITB strays from the center. Viewed from the far end of the belt centering roller toward the back of the machine, the movement to correct positioning

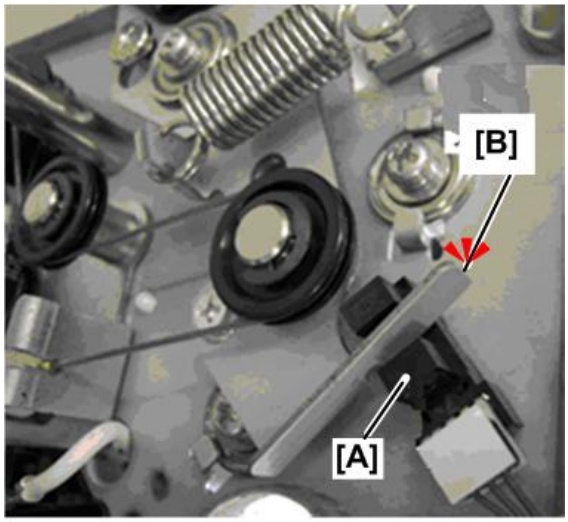
is as follows:

- When the slant of the belt centering roller is tilted left, the ITB moves to the front.
- When the slant of the belt centering roller is tilted right, the ITB moves to the rear.

After the ITB returns to the center position, the centering roller stops at the adjusted position, and then normal operation continues.

The centering roller is moved to its slanted position by the belt centering motor.

Just before the belt centering correction operation starts, the belt centering roller HP sensor [A] detects the arm [B] of the belt centering roller at its home position.



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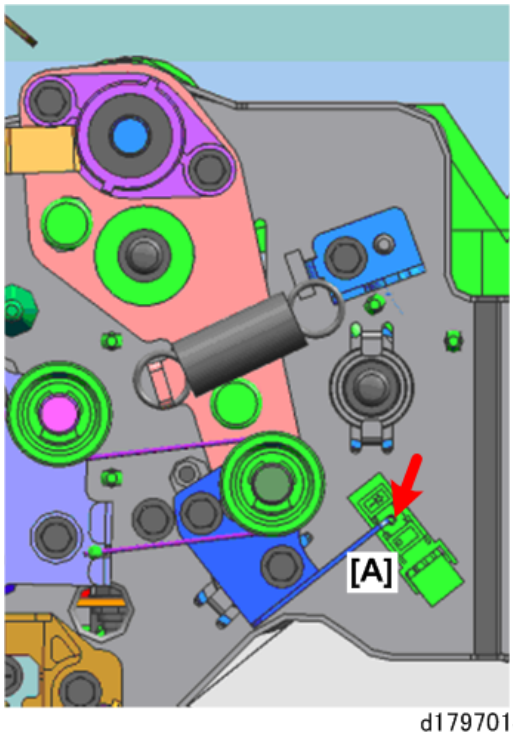
After movement to home position [A] is completed:



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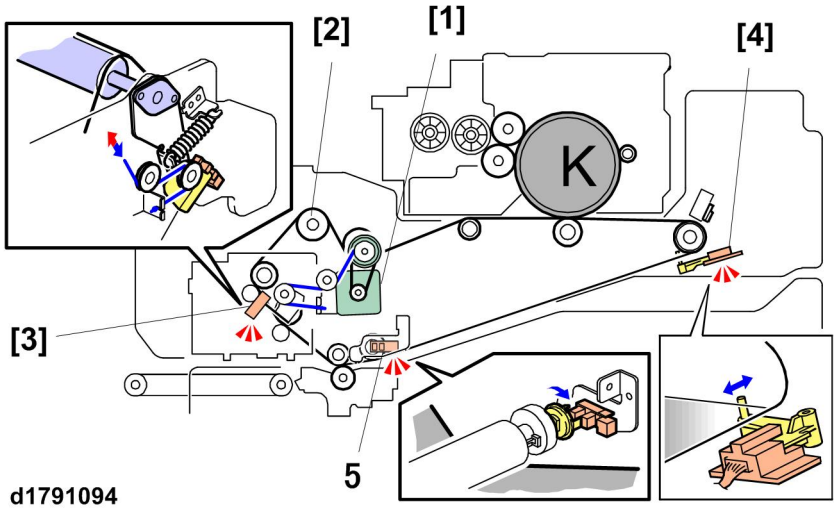
If this home position detection operation (homing) fails, the machine will issue SC471-02. The home position sensor checks the belt centering roller to make sure that it is positioned correctly:

- At power on
- When the machine recovers from Energy Save mode
- When the front doors are closed
- After lubrication

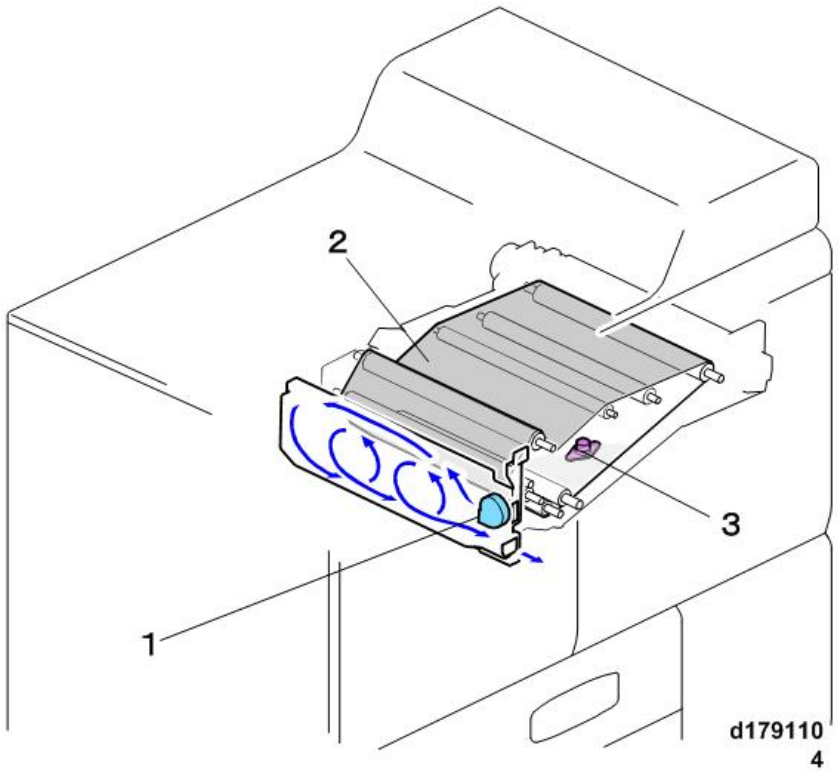


No.	Name
1	Belt Centering Motor
2	Belt Centering Roller
3	Belt Centering Roller HP Sensor
4	Belt Centering Sensor
5	PTR Separation Sensor

In this belt transfer system:

- The ITB must remain centered over the image transfer roller, so the unit is provided with a mechanism to do this.
- The belt centering sensor [4] monitors the rear edge of the ITB to make sure that it is straight.
- The belt centering sensor [4] switches on the belt centering motor [1] to operate the pulley that can nudge the belt centering roller [2] to straighten the belt.
- A belt steering HP sensor [3] switches off the belt centering motor after adjustment is done.
- The position readings of belt centering sensor [4] are used to determine the slant of the steering controller adjusted at the end of the roller toward the back of the machine. These readings are used to correct ITB skew, but if centering roller has skewed too far out of position at either the front or back (readings of sensor [4] determined to be out of range), then the machine issues an SC code (ITB positioning eror).
- SC471-03, -04, 05 are ITB positioning error codes 1, 2, 3, and SC471-006 is the belt centering sensor error. If for any reason the position of the ITB centering roller cannot be corrected, or if there is no input from the belt centering roller HP sensor, the machine will shut down automatically to prevent damage to the fragile ITB.

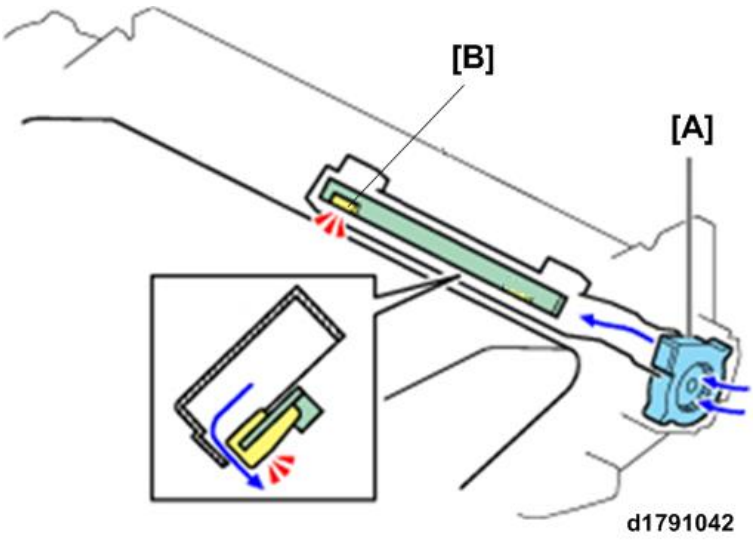
Ventilation



1	Belt cleaning/cooling fan
2	ITB
3	Thermostat

A small fan both cleans and cools the area on the side of the ITB where the fusing unit generates heat. A thermostat [3] monitors the temperature around the ITB unit. This is a safety device. If the area around the ITB overheats, the thermostat will blow and shut down the system.

ID Sensor Cleaning

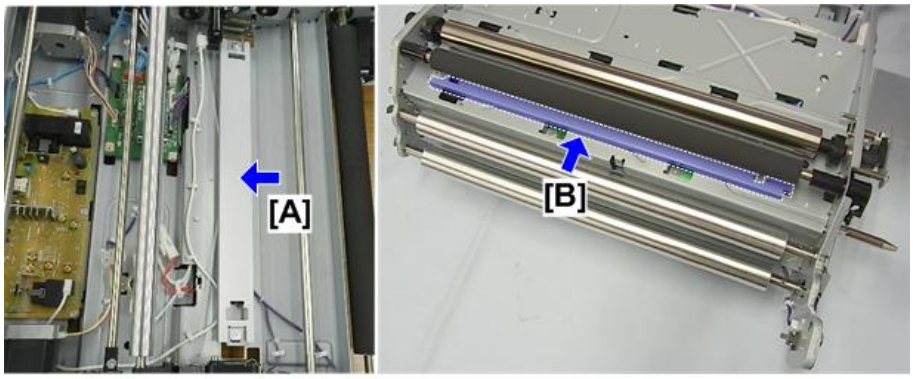


A small fan [A] on the right side of the drawer keeps the detecting surface of the ID sensor [B] clean. The air

blown over the surface of the ID sensor where it reads patterns on the belt below keeps it free of paper dust and other matter.

ITB Heater, Thermostat

The ITB unit is provided with two heaters The original heater [A] near the transfer roller remains at the same location. A new heater [B] has been added near the paper transfer bias roller.



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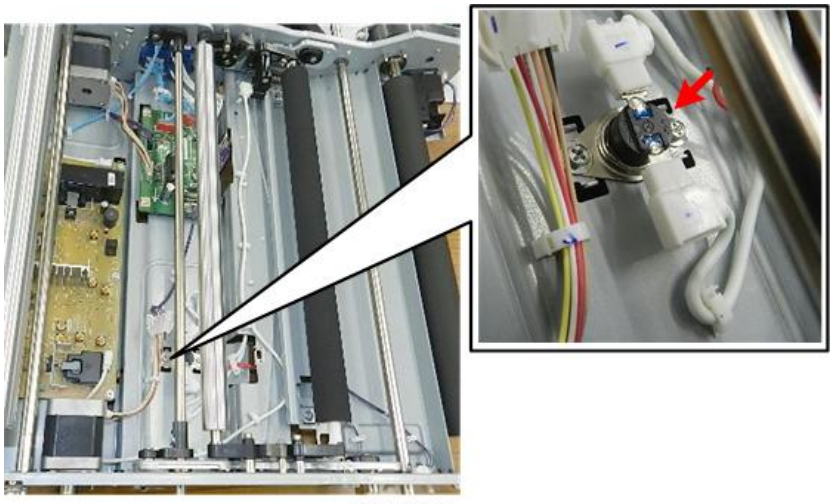
These heaters share one thermostat. Neither heater is connected to the AC control board before the machine leaves the factory. The heaters share a common connector plug which should be connected to the AC control board if problems occur.

- White spots in prints indicate that condensation has formed in the machine, and in this case the ITB heaters should be connected.
- For example, this can occur when the machine is turned on in the morning after it has remained off during the night in a cold environment.
- The heaters consume about 18W after they are connected.

After the heaters are connected at the back of the machine:

- The heaters switch ON and heat the ITB when machine power is off, or when the machine is in low power mode, to prevent condensation from forming around the ITB unit.
- The heaters switch OFF while the main power switch is on.



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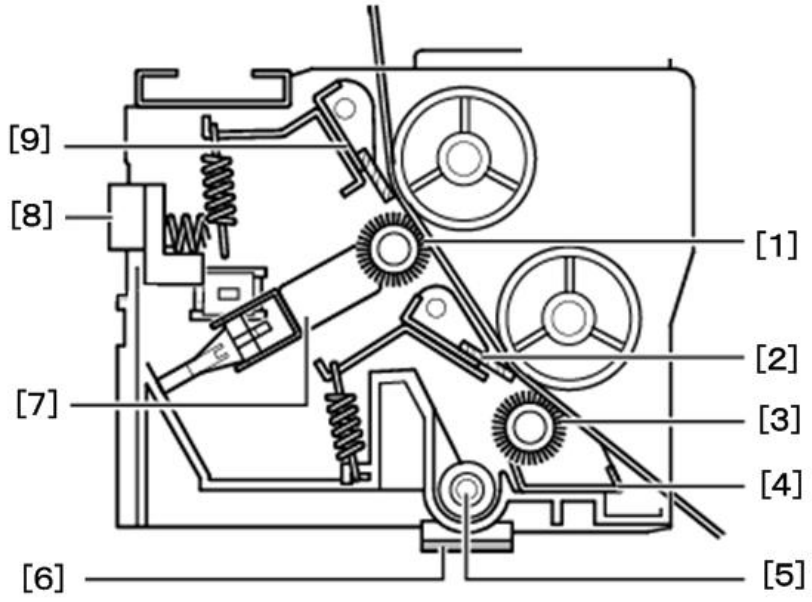
The thermostat monitors the temperature inside the ITB unit to prevent the unit from overheating.

- If the heaters are OFF and machine temperature falls to 22°C±5°C, the ITB heaters will switch ON.
- If the heaters are ON and machine temperature rises to 32°C±5°C, the heaters will switch OFF.
- The thermostat performs no function when the heaters are not connected.

ITB Cleaning Unit

Layout



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No.	Name	No.	Name
1	Lubricant Brush Roller	6	Used Toner Exit Port
2	Cleaning Blade	7	Lubricant Bar
3	Cleaning Roller	8	Stopper
4	Paper Dust Scraper	9	Lubricant Blade
5	Collection Coil		

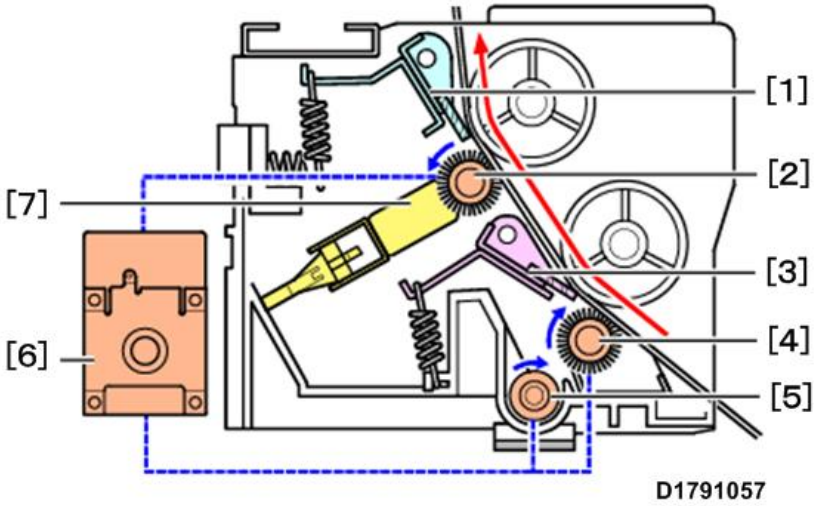
Mechanism

ITB Cleaning

The ITB/PTR cleaning motor drives gears that rotate the cleaning roller, lubricant roller, and collection coil.

- Paper dust is cleaned from the ITB by the cleaning roller (a soft brush roller), and then the cleaning blade also cleans the surface of the roller.
- Paper dust and toner cleaned from the surface drop into a rotating collection coil for transport to the used toner collection bottle.

Lubricant Application



No.	Name	No.	Name
1	Lubricant Blade	5	Collection Coil
2	Lubricant Brush Roller	6	ITB/PTR Cleaning Motor
3	Cleaning Blade	7	Lubricant Bar
4	Cleaning Roller		

A cleaning blade and lubricant blade comprise the counter blade system. In order to improve cleaning, a light lubricant is applied evenly to the surface of the belt with the lubricant blade.

Process Control

Overview

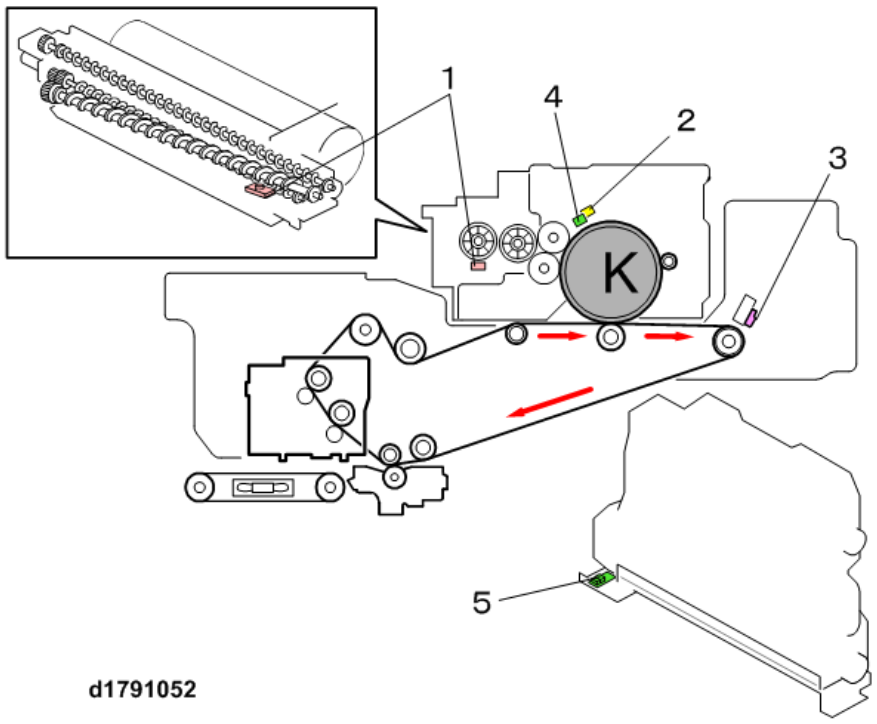
In the electrostatic copying process, many conditions such as changes in temperature, length of time the machine has remained idle, print mode selection (amount of toner on a page), etc., affect image quality, so the machine must frequently sample the machine's development ability (development gamma) at prescribed intervals, and then make adjustments based on these samplings in order to maintain optimum conditions for production of the best possible images.

This sampling of conditions around the drum, and then making adjustments in order to attain and maintain even, consistent image density is called process control. Process control can be divided into two separate phases:

- **Potential control**. Performs adjustments for development that affect basic image quality such as gradation levels, line width.
- **Toner supply control**. Standardizes the image density by controlling toner supply.

Image Creation Components

The image creation engine of the machine employs an image-to-drum transfer system comprised of several elements working together.



No.	Name
1	TD Sensor
2	Drum Potential Sensor
3	ID Sensor
4	Temperature/Humidity Sensor (PCDU)
5	ITB Temperature/Humidity Sensor

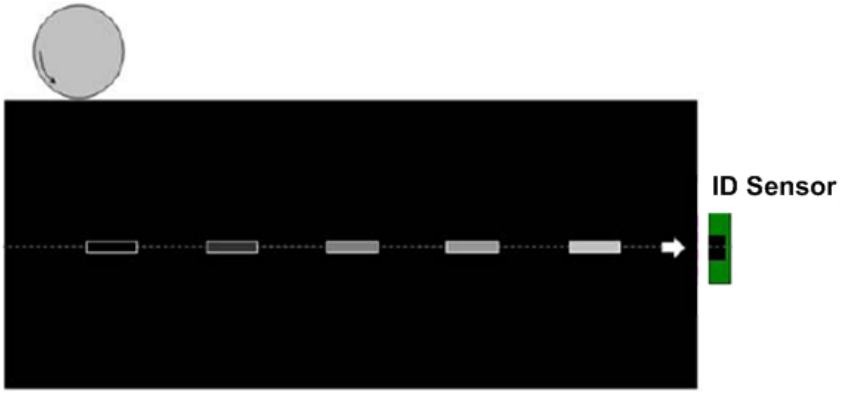
The process control sensors are located around the drum. These sensors work together during potential control and toner supply control.

- **TD Sensor**. Mounted under the toner supply unit, measures the amount toner in the developer/toner mixture. This sensor has an embedded ID chip that records and stores information about the image density level.
- **Drum Potential Sensor**. A non-contact sensor above the drum that measures the surface electrical potential of the drum immediately after the drum has been charged by the charge unit.
- **ID Sensor**. A non-contact sensor above the ITB that reads a pattern projected onto the drum to determine the amount of toner on the drum (level of image density).
- **Temperature/Humidity Sensors**. Two temperature/humidity sensors, one above the PCDU and one below the used toner bottle, monitor the temperature around the PCDU and the ambient temperature.

d1791050

- **ITB Temperature/Humidity Sensor.** Constantly measures temperature and humidity around the ITB. The machine uses these readings to adjust the amount of charge applied to the areas of the belt that contact the leading edge, center, and trailing edge of the paper.

Process Control Patterns



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Two image patterns projected onto the ITB are used in process control to sample the machine's current ability to create quality images. These are:

- **Gradation Pattern**. This pattern is used in the first adjustment for potential (Process Control 1: Potential Control) described later in this section.
- **Interval Patten**. This pattern is used in the second adjustment for potential (Process Control 2: Toner Supply Control) described later in this section. Process control is performed by projecting a pattern onto the ITB at the unexposed intervals between sheets of paper on the belt during printing (Default: 1 pattern per 20 A4 LEF sheets).

These two phases of process control that project images onto the image transfer belt are exclusively for process control sampling; paper on the image transfer belt remains unaffected. After the ID sensor reads these image

patterns projected onto the belt, they are removed by first the ITB cleaning unit and then the PTR cleaning unit and then discarded as used toner.

Default Settings

At Machine Installation

The first time the machine is powered on after completion of installation, process control initializes automatically. There is no need to use an SP mode.

Developer Replacement

After new developer has been installed and SP3024-001 successfully executed, closing the front door automatically triggers initialization of the ID sensor and process control executes. The results can be confirmed with the following SP codes.

- **SP3025-001**: Developer installation results display
- **SP3031-001**: ID sensor initialization results display (only needed if there was a problem with developer installation and it was necessary to initialize the ID sensor with SP3030-001)
- **SP3012-001**: Process control execution results display

Important

- After the ID initial settings for new developer, the value for TD sensor setting is set automatically for standard toner density.
- This initial setting is done automatically only once for new developer. There is no SP code to initialize new developer automatically.
- If an error occurs, or in the absence of specific instructions (an SP code for example), do not try to correct the problem with the SP codes described below.

SP Code Execution

Here is a list of SP codes that can be used to adjust image quality.

- **SP3030-001** Toner density sensor (TD sensor) initial setting. Pressing [EXECUTE] turns on the developer/toner agitation augur and calibrates the TD sensor.
- **SP3050-001** Force Toner Supply. Pressing [EXECUTE] sends toner from the sub hopper of the toner unit to the development unit. The amount of toner sent can be set with SP3050-021. (Default: 0.5 wt%)
- **SP3051-001** Toner Filling. Pressing [EXECUTE] sends toner from the toner bottle to the sub hopper of the toner supply unit.
- **SP3011-001 to 002**. Pressing [EXECUTE] executes process control.
  - **SP3011-001.** Manual Process Control Execution: Executes normal process control. ***1**
  - **SP3011-002** Manual Process Control Execution - Toner Density Adjustment Process Control sets the initial setting for toner density. ***1**

***1** These two SP codes indicate “Process Control 1: Potential Control” described below.

Process Control 1: Potential Control

Overview

Potential control adjusts important elements of the image creation process (drum charge, development bias, and laser output) in order to achieve optimum target image quality.

- Gradation patterns, created on the drum and ITB belt at prescribed times (described below) are read by the ID sensor,
- The potential sensor reads the image from the drum surface, and then these readings are used to determine the development capacity (development gamma)
- Based on these readings, the machine adjusts processing conditions around the drum to achieve the best image quality.

Execution Timing

Potential control is timed to execute at the following times.

Execution Timing	**Conditions**
Power on, or recovery from Energy Save mode after the machine has been idle for more than 6 hours.	The machine checks for any variation in the ambient conditions since the machine was last powered off, or from the time of last print job: • If the idle time is greater than or equal to the threshold value of SP3530-001, or if the page count of SP3530-007, -008 is greater than or equal to the interval setting of SP3530-005, -006 at power ON. • The temperature change is greater than or equal to the temperature threshold setting of SP3530-002. • The change in relative humidity is greater than or equal to the relative humidity threshold setting (%RH) of SP3530-003. • The change in absolute humidity is greater than or equal to the absolute humidity threshold setting (g/m^3) of SP3530-004.
After the machine issued an alert to close the front doors.	
During printing	The page count of SP3529-006 is greater than or equal to the interval setting of SP3533-002.
After the machine signals end of print job	The page count of SP3529-006 is greater than or equal to the job end interval setting of SP3534-002.

However, if SP3500-002, which switches image adjustment On/Off, is set to OFF, then image adjustment does not execute automatically.

Setting the following SP codes to OFF cancels image quality adjustment, so leave them set to their default ON settings.

- **SP3500-001** Image Quality Adjustment ON/OFF All
- **SP3500-002** Image Quality Adjustment ON/OFF Process Control
- **SP3500-004** Image Quality Adjustment ON/OFF - TD Sensor Initialization

Image Creation Conditions at Engine Startup

When the engine starts up just before printing, the drum bias is set by the drum potential sensor.

Image create conditions	SP3600-001 Process, Potential Control	
	0: Fixed	**1: Auto**
DC bias	SP2-201	SP3-611
Development DC bias	SP2-212	SP3-612
LD power	SP2-211	SP3-613

- **SP3-600-001** sets process control potential control. Default: 1 (Auto).
- **If SP3-600-001** is set to “0”, the conditions for each image creation can be set and controlled by individual SP codes.
- When **SP3-600-001** is set to “1”, the conditions for each image creation are automatically set and adjusted to optimize the results.
- The results of process control execution can be displayed as a two-column code with **SP3-012-001**.

Process Control 2: Toner Supply Control

Overview

Two methods of toner supply are used with this machine.

- Fixed supply
- PID (with Vtref correction)

SP3400-001 (Toner Supply Method Select) determines which method is used, where the settings are "0" (Fixed Supply) or "1 (Active).

During toner supply control it is very difficult to determine the ideal toner/image density based only on pixel count, because errors tend to accumulate due to changes in ambient temperature and humidity, deterioration of the sensitivity of the drum over time, and variation in development capacity (development gamma).

The "Active" setting (default) is used to control image density.

- ID sensor patterns are projected between pages at regular intervals (one pattern after every 20 pages of A4 LEF, for example).
- The ID sensor can read the reflectivity of the image (affected by how much toner is present), and then the machine uses these readings to adjust toner supply.

Results Codes

Potential Control Result Codes

Action	Code	Result Name	Meaning	SC
00	0	No execution	SP default	---
10 Results normal	11	Succeeded		----
15 Potential	15	Potential sensor Vd	Detected Vd < -800 V	SC381-01

Action	Code	Result Name	Meaning	SC
sensor		detection abnormal (above limit)		
	16	Potential sensor Vd detection abnormal (below limit)	Detected Vd < -500 V	SC382-01
20 ID sensor	21	ID sensor calibration abnormal	Vsg_reg=4.0±0.5[V] out of range	SC370-00
	22	ID sensor LED current abnormal (too high)	Ifsg>27 mA	SC372-00
	23	ID sensor reflectivity output abnormal	Vsg_reg <0.5V	SC371-00
40 Potential sensor	41	TD sensor output too high	Vt > 4.7 V	SC361-01
	42	TD sensor output too low	Vt <0.5 V	SC362-01
	43	TD sensor abnormal	Development Gamma(0.5≦ Development Gamma≦2.0), and Vt>4.7V	These are internal errors, no SC code is issued. Machine continues to operate without interference.
	44	TD sensor abnormal	Development gamma(0.5≦ Development Gamma≦2.0), and Vt<0.5V	
50 ID pattern detection	50	Vmin_K (Max.)	K:Vmin_K	
	51	Vmin_K	K:Vmin_K	
	55	Development gamma abnormal (upper limit)	Gamma development >3.0 $mg/cm^2/-kV$	SC400-01
	56	Development gamma abnormal (lower limit)	Development Gamma <0.3$mg/cm^2/-kV$	SC401-01
	57	Dev. start voltage: Vk abnormal (upper limit)	Dev. start voltage: Vk >-300 V	SC403-01
	58	Dev. start voltage: Vk abnormal (upper limit)	Dev. start voltage: Vk >-300 V	SC404-01

Action	Code	Result Name	Meaning	SC
	59	Insufficient data enabled	At least 2 points are needed for gamma correction	SC402-51
60 Potential adjustment	61	LD inoperative	ID sensor patterns not created	SC402-61
	62	Vr: Residual voltage abnormal	Vr >-200 V	SC410-01
	63	Vd: Charge potential target voltage	Vd out of range, cannot adjust to Vd*±8V	SC411-01
	64	Vpl: LD power adjustment	Vpl out of range, cannot adjust to Vpl*±5V	SC412-01
90 Results end	90	No potential adjustment	Potential control method is set to "1:Fixed".	SP3-600-001 01 def. 1 Auto
	99	Forced end	Door open, machine OFF, or machine not ready	---

Result display examples.

- [00] No execution (SP default)
- [99] Adjustment start time
- [55] Development Gamma abnormal (High)
- [11] Succeeded
- [22] ID sensor LED current abnormal (too high)

ID Sensor Calibration Results Codes

Code	Result Name	Meaning	Action
0	No execution	SP default	---
1	Succeeded		---
2	ID sensor calibration abnormal	Vsg_reg=4.0±0.5 V out of range	SC370-00
3	ID sensor offset voltage abnormal, ,	Voffset_reg > Max.	Internal error, no SC code is issued (machine continues to operate without interference)
4	ID sensor LED current abnormal (too high)	Ifsg > 27 mA	SC372-00
5	ID sensor reflectivity output abnormal	Vsg_reg < 0.5 V	SC371-00
9	Forced end	Door open, machine OFF, or machine not ready	---

Result display examples.

- [0] No execution (SP default)

- [9] Adjustment start time
- [2] ID sensor calibration abnormal
- [1] Succeeded

Note

- For more details about SC code errors, refer to the "Troubleshooting" section of the Field Service Manual.

TD Sensor

Code	Result Name	Meaning
0	No execution	SP default
1	Succeeded	
2	Developer set incorrectly	SC336-01
3	TD sensor calibration abnormal	SC336-01. Vtcnt cannot be adjusted to Vt target (2.89V±0.1V)
9	Forced end	Door open, machine OFF, or machine not ready

Result display examples. [0] No execution (SP default)

- [9] Adjustment start time
- [1] TD calibration at factory before shipping succeeded
- [3] TD calibration at factory before shipping failed
- [1] Next execution succeeded
- [0] NVRAM clear

Developer Replacement Results Codes

Code	Result Name	Meaning
0	No execution	SP default
1	Succeeded	Finished
2	No developer output	TD sensor reading was > 1.5V before developer replaced, indicating developer present
3	No developer present	TD sensor reading was < 1.5V before developer replaced, indicating no developer present
4	Used toner full	Used toner bottle is full
5	Development Motor lock	Development motor is locked
6	Used toner motor lock	The used toner bottle motor in the main machine, or the motor inside the toner bottle is locked
9	Forced end	Forced end due to closing a door, switching power off

Result display examples.

- [0] No execution (SP default)
- [9] Developer installation after installation at the factory before shipping succeeded.
- [4] Developer replacement after installation at factory before shipping returned used toner full

- [1] Developer installation after installation at the factory before shipping succeeded.
- [3] Developer installation after installation at the factory before shipping failed (no developer).
- [1] Next execution succeeded

Note

- Whenever an SC (Service Call) error occurs, refer to the SC code tables in the "Troubleshooting" section of the Service Manual.

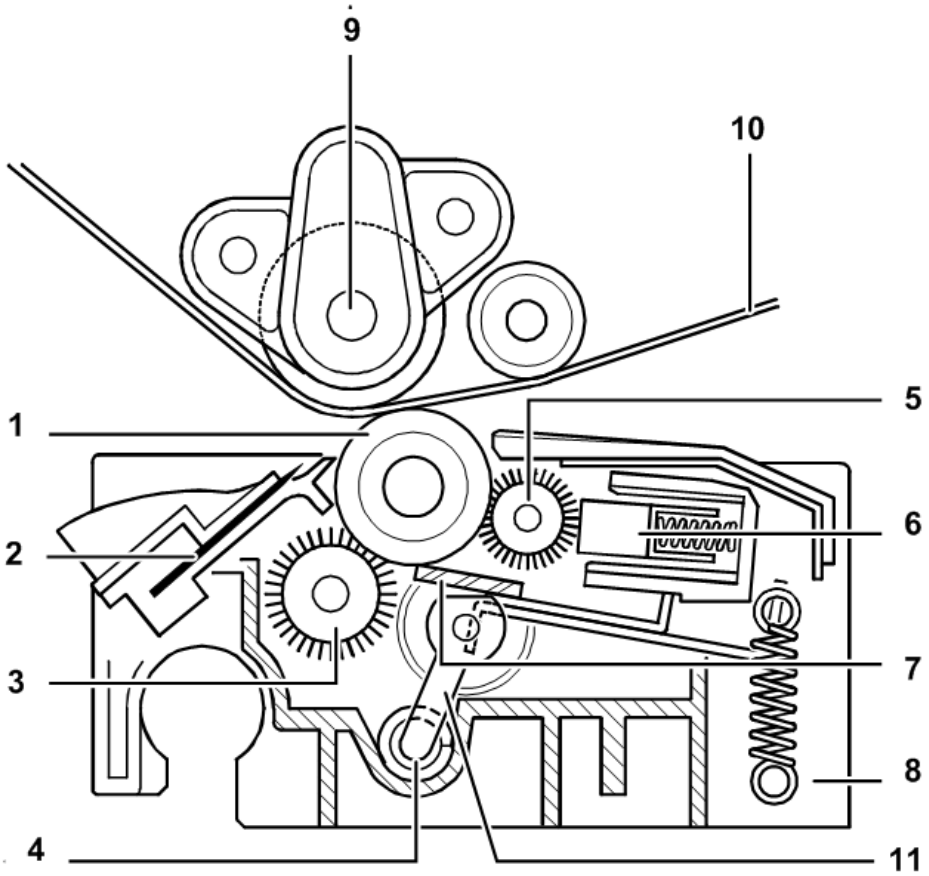
Paper Transfer Roller Unit

Mechanisms, Configuration

Overview

The transfer separation power pack inside the ITB unit applies a bias charge not only to the transfer roller under the transfer belt for drum-to-belt image transfer but to the paper transfer roller as well for belt-to-paper image transfer. The paper transfer roller rotates an opposing roller.

Layout



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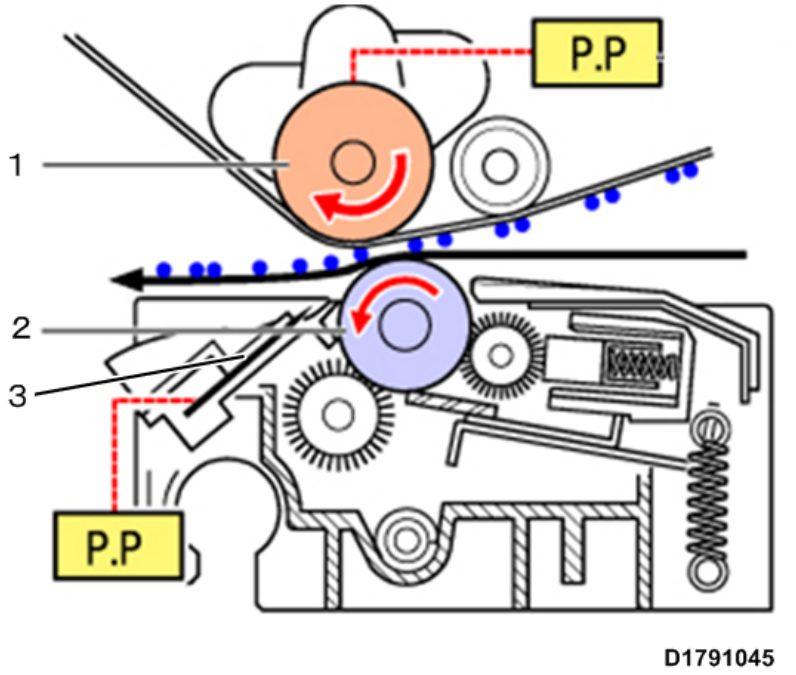
No.	Name	No.	Name
1	Paper Transfer Roller (PTR)	7	Cleaning Blade
2	Anti-static Brush	8	Paper Transfer Roller Unit
3	Cleaning Roller	9	PTR Idle Roller
4	Used Toner Collection Coil	10	Image Transfer Belt (ITB)
5	Lubricant Brush Roller	11	
6	Lubricant Bar		

Details

Paper Separation Mechanism



D1791045

No.	Name
1	Paper Transfer Idle Roller
2	Paper Transfer Roller (PTR)
3	Paper Discharge Plate

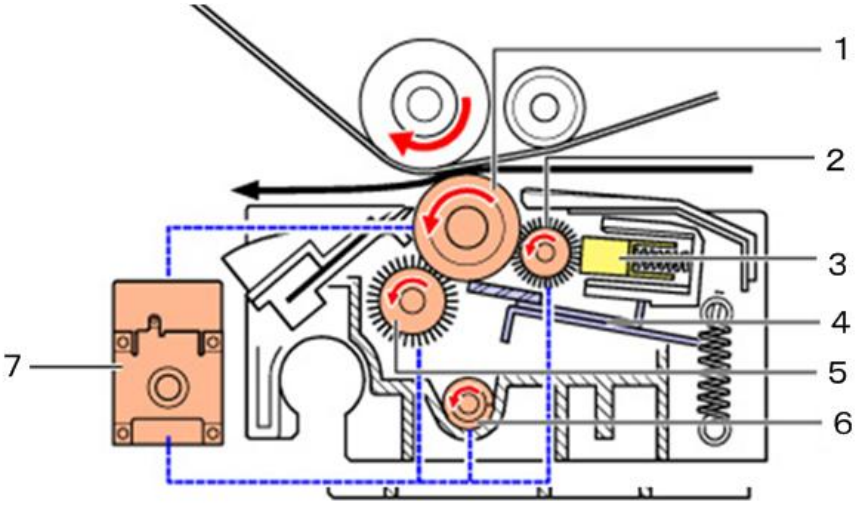
In addition to the AC+DC bias applied to the back of the paper to neutralize the charge on the paper and belt, curvature separation helps the paper to separate from the belt when the ITB makes an abrupt turn toward the top of the machine at the point where the ITB and PTR are in contact in order to transfer the image.
After the image has been transferred to the paper, the paper discharge plate (connected to the separation power pack) applies AC and DC charge to neutralize the charge on the paper and the ITB.

PTR Cleaning

The ITB/PTR cleaning motor drives the PTR roller, PTR cleaning roller, lubricant roller, and used toner collection coil. The PTR unit (like the ITB unit) has its own cleaning unit.

- Paper dust is cleaned from the PTR by the cleaning roller (a soft brush roller), and then the cleaning blade cleans the surface of the roller.
- Paper dust and toner cleaned from the surface of the roller drop into a rotating toner collection coil for transport to the toner collection bottle.

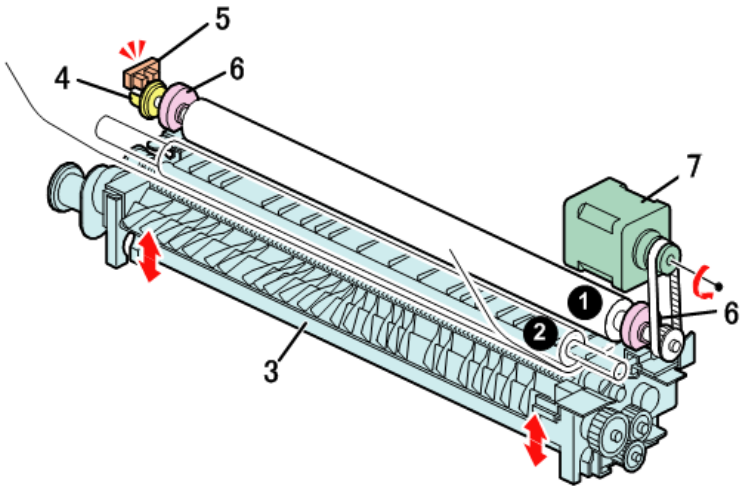
Lubricant Application



No.	Name	No.	Name
1	Paper Transfer Roller (PTR)	5	Cleaning Roller
2	Lubricant Roller	6	Used Toner Collection Coil
3	Lubricant Bar	7	ITB/PTR Cleaning Motor
4	Cleaning Blade	-	-

A lubricant roller (a soft brush roller) takes lubricant from the lubricant bar behind it and applies a very thin coat of the lubricant to the surface of the PTR. This ensures easier cleaning of the roller surface.

PTR Lift and Separation



No.	Name
1	PTR Roller
2	PTR Idle Roller
3	PTR Unit
4	Actuator

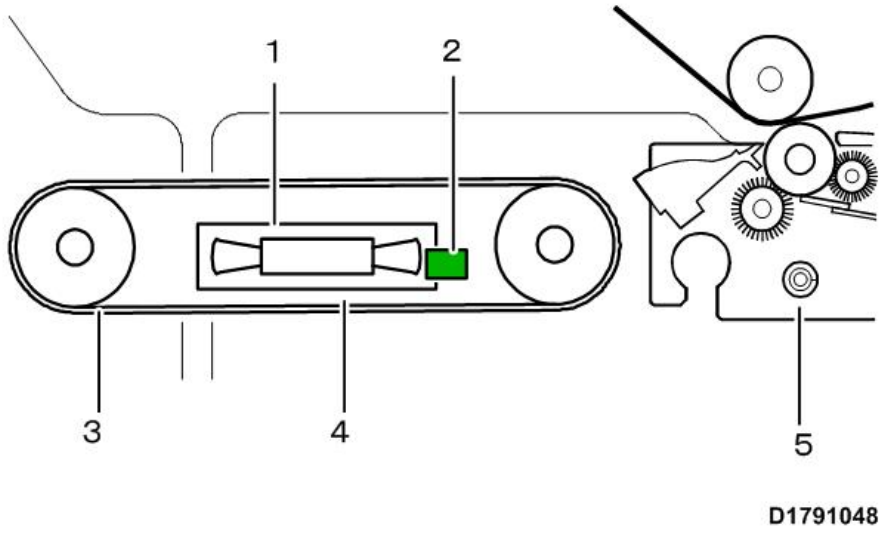
No.	Name
5	PTR Lift Sensor
6	Cams (front and rear)
7	PTR Separation Motor

The PTR separation motor in the ITB unit raises and lowers the PTR roller to open and close the nip between the PTR roller and the PTR idle roller inside the PTR unit. The image transfer belt (ITB) runs between these rollers.

- Cams on each end of the PTR roller shaft, rotated by the PTR separation motor, raise and lower the roller to open and close the nip.
- When the rotation of the PTR roller moves the actuator on the end of roller into the gap of the PTR lift sensor, this turns the motor off. This is the home position with the rollers separated.

PTB Unit

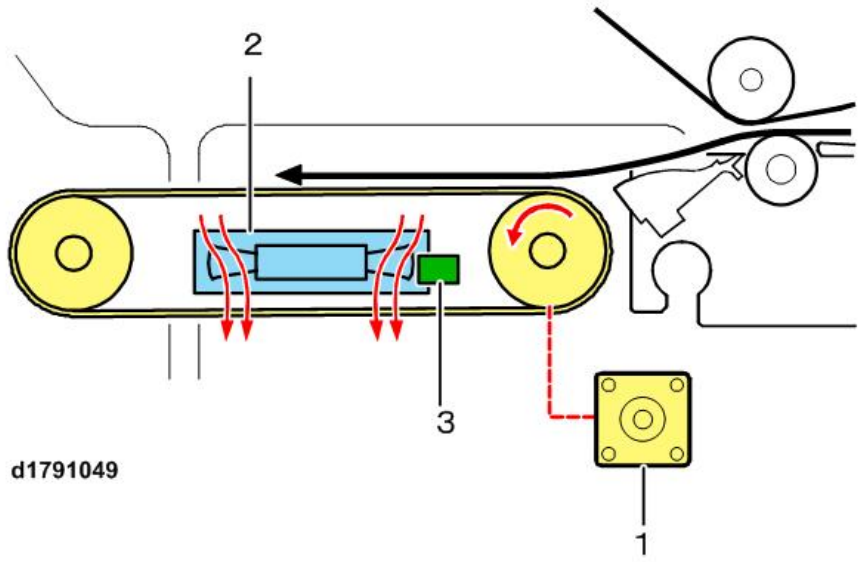
Layout



No.	Name
1	Paper Transport Fans
2	PTB Sensor
3	Paper Transport Belt
4	PTB Unit
5	Paper Transfer Unit

Details

Air Suction Transport



No.	Name
1	PTB Motor
2	Paper Transport Fans
3	PTB Sensor

The PTB motor drives the gears that rotate the paper transport belts.

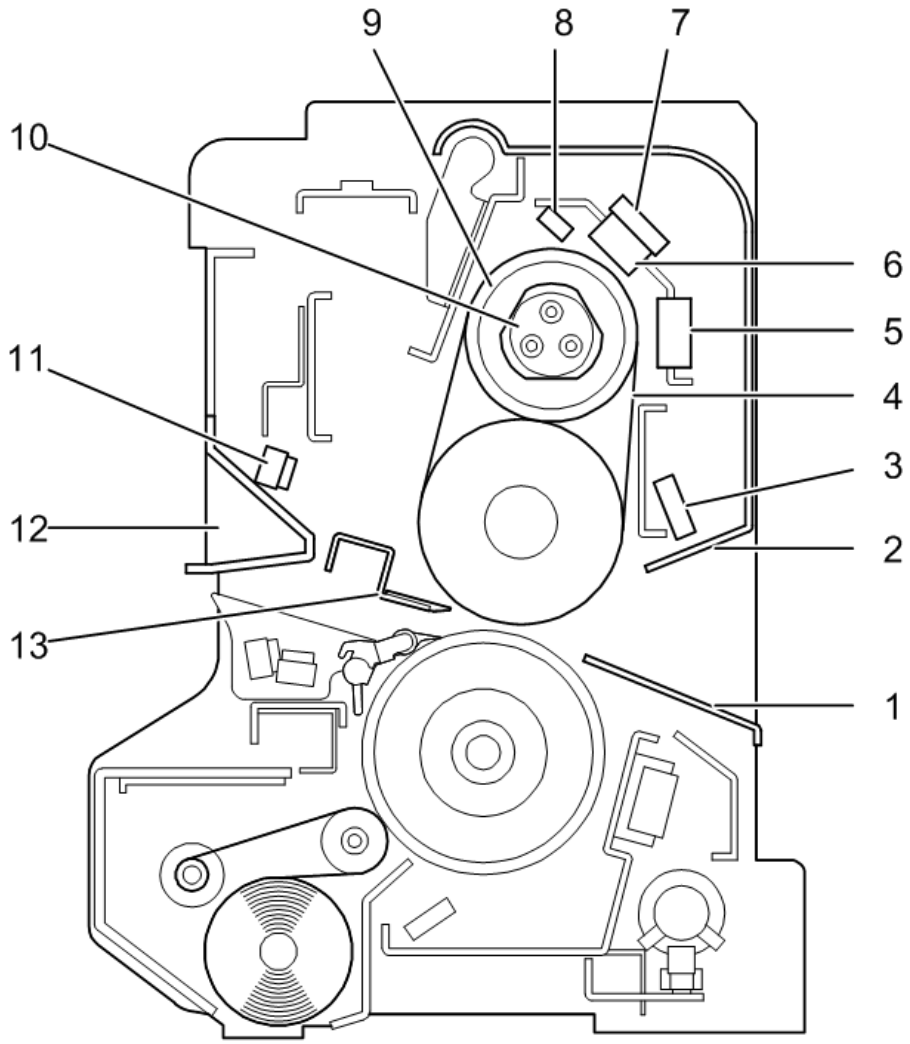
- The suction from two large transport fans below the transport belts holds the paper on the belt as it is transported from the ITB unit to the fusing unit.
- This system keeps the paper with the unfixed toner on the paper transport path so it can enter straight into the fusing unit.
- The PTB sensor monitors the passing of the leading and trailing edges of the paper to check for a paper jam.

Fusing Unit (1/4)

Mechanisms, Configuration

Overview

Paper transported from the PTB unit enters the fusing unit where the paper is pressed between the pressure roller and hot roller to fuse the toner to the paper.



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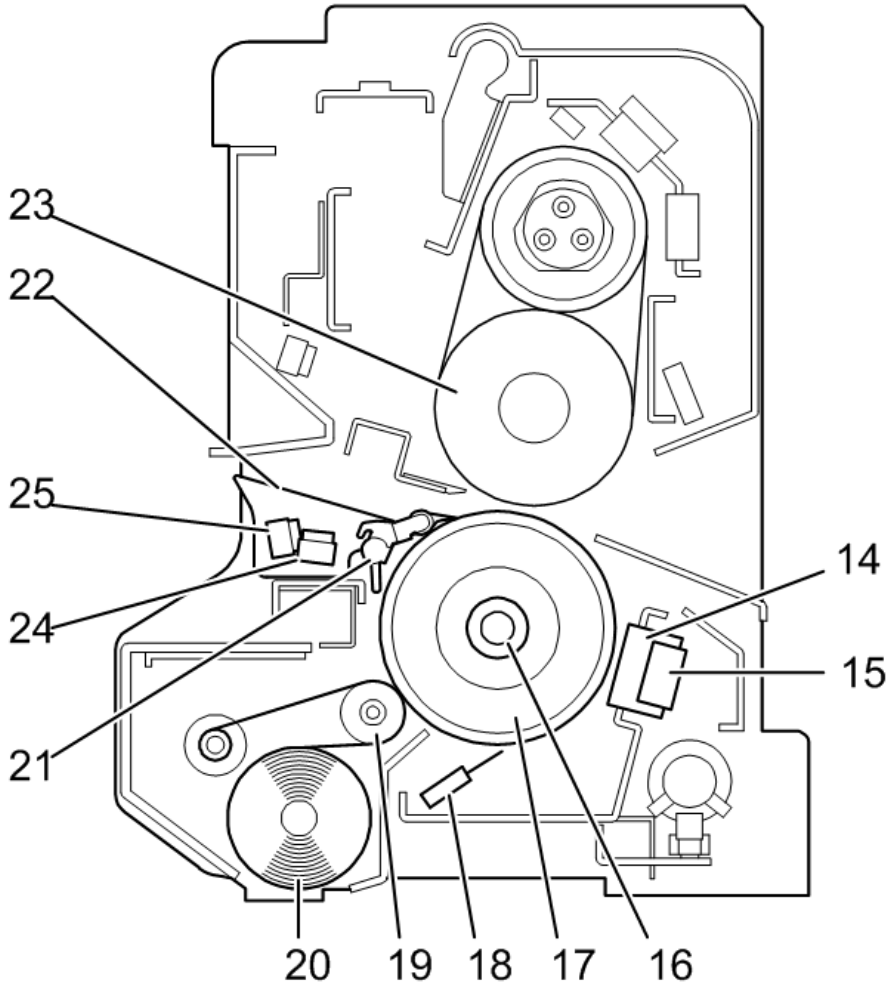
No.	Name	No.	Name
1	Entrance Guide (Lower)	8	Fusing Heat Thermistor (Rear)
2	Entrance Guide (Upper)	9	Heating Roller
3	Fusing Temperature Sensor	10	Heater Roller Fusing Lamps x3 (1020W)
4	Fusing Belt	11	Fusing Belt Paper Sensor
5	Fusing Temperature Sensor	12	Fusing Exit Guide Plate (Relay)
6	Fusing Temperature Sensor	13	Fusing Exit Lower Guide Plate
7	Heating Roller Thermostats (x2)	-	



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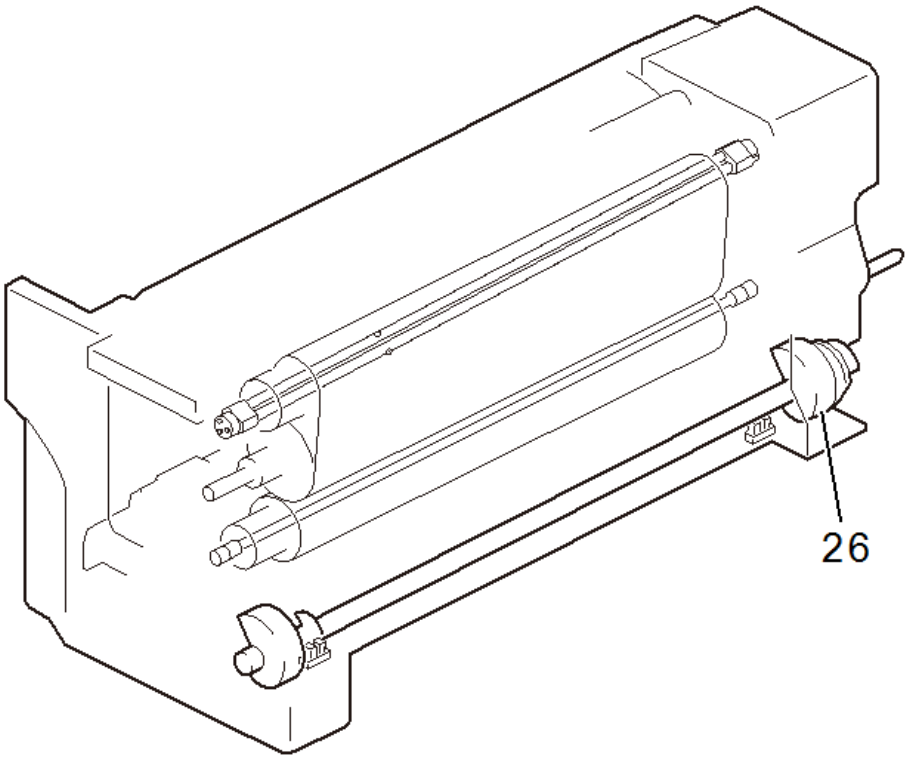
No.	Name	No.	Name
14	Fusing Temperature Sensor (Pressure Roller)	20	Cleaning Web
15	Pressure Roller Thermostat	21	Pressure Roller Stripper Pawls
16	Pressure Roller Fusing Lamp (800W)	22	Pressure Roller Stripper Plate
17	Pressure Roller	23	Hot Roller
18	Pressure Roller Thermistor	24	Fusing Exit Sensor
19	Retention Roller	25	Fusing Paper Sensor



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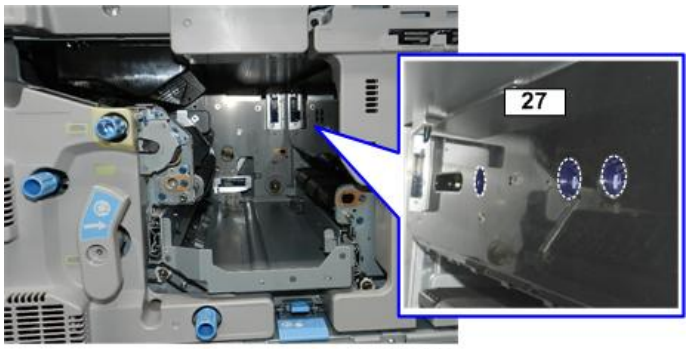
No.	Name
26	Fusing Pressure Cam

Main Machine: Fusing Roller Removed



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No.	Name
27	Thermopiles (Center, Front, Extended)

Details

Fusing Unit

Fusing Temperature Control	Thermistors, NC sensors, thermopiles (inside the main machine)
Drive	Fusing drive motors
Pressure Mechanism	Hot roller pressure motor fwd/rev drive
Jam Detection	Detection of accordion jams by photosensors

Cleaning Mechanism	Web cleaning unit

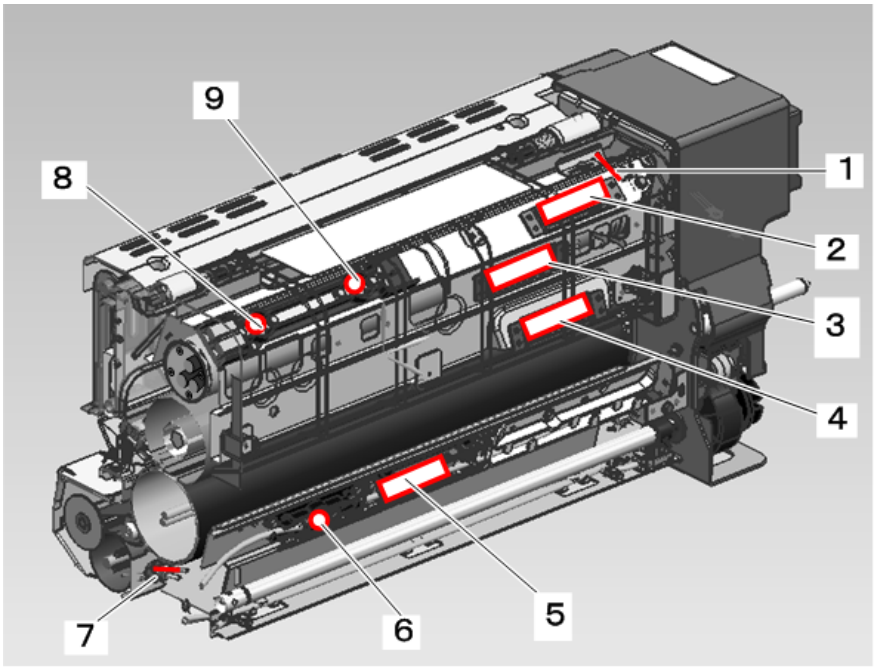
Heating Roller and Pressure Roller Lamps

There are three heating lamps inside the heating roller of the fusing unit, and one lamp inside the pressure roller for a total of four lamps.

- The heating roller has three fusing lamps (1020W each). The heat of this roller is transferred directly to the fusing belt.
- The pressure roller contains one fusing lamp (800W). The lamp inside the pressure roller keeps the pressure roller heated while the machine is in standby mode waiting for the next job.
- The heating elements are switched on an off at varied intervals for different paper sizes.
- The heating roller has four heat pipes on its inner surface. This comprises a closed condenser system that keeps the heat evenly spread over the surface of the heating roller.

Fusing Temperature Control

There are thermistors, fusing NC sensors, and thermopiles (inside the machine) on and around the fusing rollers that monitor and control temperature in the fusing unit.



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No.	Name	No.	Name
1	Fusing Heat Thermistor (Rear)	6	Pressure Roller Thermostat
2	Fusing Temperature NC Sensor (Heating Roller End)	7	Pressure Roller Thermistor
3	Fusing Temperature NC Sensor (Heating Roller Center)	8	Heating Roller Thermostat (End)
4	Fusing Temperature NC Sensor (Hot Roller Center)	9	Heating Roller Thermostat (Center)
5	Fusing Temperature NC Sensor (Pressure Roller - Center)	-	-

Types and Number of Sensors

NC Sensors

Sensor Type	NC Sensor (Fusing Temperature Sensor)	
Type	Infra-red, non-contact sensor	
Function	The machine controls the rotation of the fusing unit rollers at standby by reading the temperature of the fusing belt. The end and center of the fusing belt by are monitored by sensors to ensure that fusing unit temperature is always within a safe range. This sensor monitors the temperature of the pressure roller and controls the operation of the pressure roller lamp.	
Location, Function	Heating Roller	Two • Fusing Temperature Sensor (Heating Roller End) • Fusing Temperature Sensor (Heating Roller Center)
	Hot roller	One: Fusing Temperature NC Sensor (Hot Roller Center)
	Pressure Roller	One: Fusing Temperature Sensor (Pressure Roller Center)

Thermistors

Sensor Type	Thermistors	
Type	Contact sensor. A variation in temperature changes resistance which can be measured.	
Function	Monitors the temperature of the heating roller and pressure roller. These thermistors are also a safety device.	
Location, Function	Heating Roller	One: Fusing Heat Roller Thermistor (Rear)
	Hot roller	None
	Pressure Roller	One: Pressure Roller Thermistor

Thermostats

Sensor Type	Thermostats	
Type	Two strips of metal of different conductivities are joined, heat warps the shape due to these differences and breaks the circuit.	
Function	These are provided as safety devices. If a high temperature trips either or both thermostats, power supply to the fusing lamps is shut down. This thermostat is also a safety device that monitors the temperature around the pressure roller.	
Location, Function	Heating Roller	Two: • Heating Roller Thermostat (Center) • Heating Roller Thermostat (End)
	Hot roller	None
	Pressure Roller	One: Pressure Roller Thermostat

Thermopiles

Sensor Type	Thermopiles (in main machine above fusing unit)
Type	Infra-red, non-contact sensor
Function	These thermopiles are inside the main machine located above and to the right of the fusing

	unit. These are also safety devices.	
Number/Name	Fusing Unit	Three: • Thermopile: Heating Roller Center • Thermopile: Heating Roller Front • Thermopile: Extended

Important

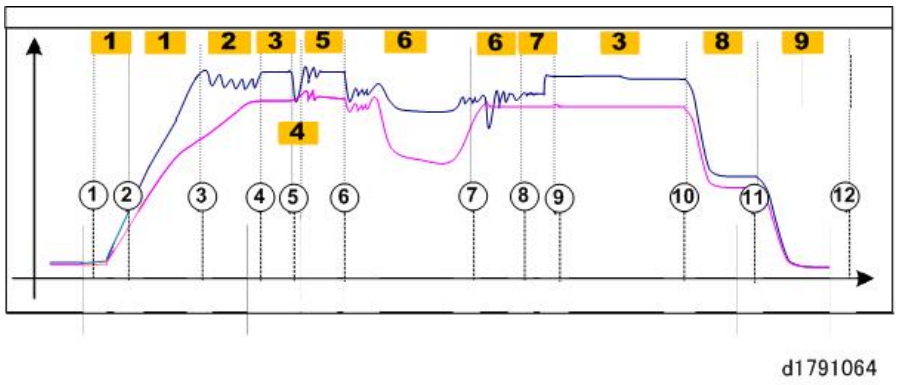
- The NC sensors in the fusing unit, and the thermopile attached to the main machine on the right side of the fusing unit, both employ infra-red.
- The thermopile, extremely sensitive to temperature change, resides apart from the fusing unit. The NC sensors, slightly less sensitive to temperature than the thermopile, are located inside the fusing unit to control the fusing temperature.

Fusing Unit (2/4)

Details

Target Temperature (1/2)

The target fusing temperature is calculated based on the readings of themopiles above the fusing unit and other temperature sensors that monitor the temperatures of the heating roller and pressure roller. These readings are used to keep the heating roller and pressure roller at the correct temperatures for optimum performance.



In the diagram above:

- Blue line: Heating roller Temperature
- Magenta line: Pressure roller temperature

Comments (Circled Numbers Above)

①	Power on
②	Fusing control switches on
③	Reload temperature
④	Fusing roller rotations stop
⑤	Job setup by user, preparing to print
⑥	Permission to start printing
⑦	Switching to job paper feed mode
⑧	Job paper feed ends
⑨	Fusing roller rotation ends
⑩	Shift to low power mode
⑪	Shift to sleep mode
⑫	End

The temperature of the fusing unit is measured in the following steps.

The target temperature is set for each roller depending on detected ambient temperature as described below.

Here is the key for the Environment and Machine Types referenced in the step-by-step descriptions below.

Environments

- **Environment A**: Low temp.: Can adjust with SP1111-001 if Machine Temp. ≤ 17°C
- **Environment B**: Normal Temp. Can adjust with SP1111-001-002 if normal temp. 17C < Machine Temp. <

30°C

- **Environment C**: High temp.: Can adjust with SP1111-002 if 30°C ≤ Machine Temp.
- **Environment A-1**: Low temp.: Cannot adjust with SP if Machine temp. ≤ 10°C
- **Environment B-1**: Normal temp.: Cannot adjust with SP if Machine Temp. ≤ 10°C
- **Environment B-2**: Normal temp. 2: Cannot adjust with SP if 23°C< Machine Temp. ≤ 32°C
- **Environment C-1**: High Temp.: Cannot adjust with SP if 32°C ≤ Machine Temp.

Machine Type Key

		Copier/Printer Model
Type a:	96 ppm	Ricoh Pro 8200EX/8200S
Type b:	111 ppm	Ricoh Pro 8210S/8210Y
Type c:	136 ppm	Ricoh Pro 8220S/8220Y

1 Warm-up Time

Machine start-up step after power on.

- Once the set temperature is reached, after the prescribed time the sequence shifts to next step: Reload Mode.
- The tables below describe the “Set Temperature” and “Adjust Temperature” for the heating roller and pressure roller for each environment.
- The Set Temperatures and Adjust Temperatures can be adjusted with the listed SP codes.

Environment A

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1101-002	+10°C	SP1111-003
Pressure	90°C	90°C	90°C	SP1101-003	+10°C	SP1111-003

Environment B

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1101-002	-	-
Pressure	90°C	90°C	90°C	SP1101-003	-	-

Environment C

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1101-002	-	-
Pressure	90°C	90°C	90°C	SP1101-003	-	-

2. Reload

After Step 1 is finished, the machine shifts to Reload mode. A message on the operation panel indicates that copying can begin, and then the machine immediately goes to the next step.

3. Roller Rotation After Reload

This step rotates the fusing belt so the heating roller can heat up the hot roller. The machine shifts to the next step Ready (Standby) mode after the time prescribed for rotation has elapsed. The tables below describe the “Set Temperature” and “Adjust Temperature” for the heating roller and pressure roller for each environment. The Set

Temperatures and Adjust Temperatures can be adjusted with the listed SP codes.

Environment A

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1108-001	+10°C	SP1111-003
Pressure	90°C	90°C	90°C	SP1108-002	+10°C	SP1111-003

Environment B

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1108-001	-	-
Pressure	90°C	90°C	90°C	SP1108-002	-	-

Environment C

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1108-001	-5°C	SP1111-004
Pressure	90°C	90°C	90°C	SP1108-002	-5°C	SP1111-004

4. Ready (Standby)

This step rotates the fusing belt so the heating roller can heat up the hot roller. The machine shifts to the next step Ready (Standby) mode after the time prescribed for rotation has elapsed. The tables below describe the “Set Temperature” and “Adjust Temperature” for the heating roller and pressure roller for each environment. The Set Temperatures and Adjust Temperatures can be adjusted with the listed SP codes.

Environment A

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	150°C	155°C	160°C	SP1107-001	+10°C	SP1111-003
Pressure	90°C	90°C	90°C	SP1107-002	+10°C	SP1111-003

Environment B

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	150°C	155°C	160°C	SP1107-001	-	-
Pressure	90°C	90°C	90°C	SP1107-002	-	-

Environment C

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	150°C	155°C	160°C	SP1107-001	-5°C	SP1111-004
Pressure	90°C	90°C	90°C	SP1107-002	-5°C	SP1111-004

5. Print Preparation

When a job is set up on the operation panel in the Ready mode, the machine goes to the Print Preparation step

once the fusing unit is ready to begin the job.

The tables below describe the “Set Temperature” and “Adjust Temperature” for the heating roller and pressure roller for each environment. The Set Temperatures and Adjust Temperatures can be adjusted with the listed SP codes.

Environment A

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1107-007	+10°C	SP1111-003
Pressure	90°C	90°C	90°C	SP1107-008	+10°C	SP1111-003

Environment B

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1107-007	-	-
Pressure	90°C	90°C	90°C	SP1107-008	-	-

Environment C

Roller	Set Temp.				Adjust Temp.	
	Type a	Type b	Type c	SP	Default	SP
Heating	165°C	170°C	175°C	SP1107-007	-5°C	SP1111-004
Pressure	90°C	90°C	90°C	SP1107-008	-5°C	SP1111-004

6. Before Paper Pass

This is the step between the time after [Start] is pressed and the first sheet feeds from the paper bank to the nip of the fusing unit.

Environment A-1

[*A]	User setting for each type of paper. Actual temperatures are listed.
[*B]	Adjust Temperature. There is a default setting for each thickness, and the default can be adjusted with the SP code.
[*C]	Adjust Temperature 2. There is a default setting for each thickness, and the default can be adjusted with the SP code.

The target temperature for the environment is calculated [*A] + [*B] + [*C]. However, [*B] and [*C] can be calculated in the SP mode.

1. The paper temperature settings can be adjusted for each tray and paper of different thickness (Thick 1 to 8).
2. An SP can be selected to adjust temperature [*A] (user tool paper settings) assigned for different paper thickness beforehand (allocated with Ricoh IMSS software).

   Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	0	10°C	SP1-111-005
		Thk 1	10°C	

		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140

		Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
Htg R	[*A]	Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-0175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187
		Non-carbon: Thk 8	25°C	SP1-119-188

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	

		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
		Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
Htg R	[*A]	Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175

		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187
		Non-carbon: Thk 8	25°C	SP1-119-188

Note

The target temperatures for “Adjust Temp. 1 (*B) and “Adjust Temp. 2 (*C) are different, so separate SP codes are provided so these adjustments can be switched on/off. For example “Adjust. Temp 2” (*C) can be used to adjust the initial temperature at the start of paper feed.

- Adjusted temperature *B: Compensates for ambient temperature (paper temperature)
- Adjusted temperature *C: Compensates for a drop in temperature at initial paper feed.

Environment B-1

The target temperatures for the heating roller and pressure roller are applied as [*A] + [*B] + [*C]. However, [*B] “Adjust Temp. 1" the default (including cases where the default has been changed in the SP mode) is calculated: (23ºC – Machine Temp.)/23ºC – 10oC)

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No.
Htg R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	

		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
		Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
Htg R	[*A]	Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envevelope Thk7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181

		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187
		Non-carbon: Thk 8	25°C	SP1-119-188

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106

		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
Htg R	[*A]	Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
		Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187

Note

The target temperatures for “Adjust Temp. 1 (*B) and “Adjust Temp. 2 (*C) are different so separate SP codes are provided so these adjustments can be switched on/off. For example “Adjust. Temp 2” (*C) can be used to adjust the initial temperature at the start of paper feed.

- Adjusted temperature *B: Compensates for ambient temperature (paper temperature)
- Adjusted temperature *C: Compensates for a drop in temperature at initial paper feed.

Environment B-2

The target temperatures for the heating roller and pressure roller are applied as [*A] + [*B] + [*C]. However, [*B] “Adjust Temp. 1" the default (including cases where the default has been changed in the SP mode) is calculated: (Machine Temp. – 23°C)/32°C – 23°C)

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120

		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
		Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
Htg R	[*A]	Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187
		Non-carbon: Thk 8	25°C	SP1-119-188

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	

		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
Htg R	[*A]	Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143

		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
		Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187

Note

The target temperatures for “Adjust Temp. 1 (*B) and “Adjust Temp. 2 (*C) are different so separate SP codes are provided so these adjustments can be switched on/off. For example “Adjust. Temp 2” (*C) can be used to adjust the initial temperature at the start of paper feed.

- Adjusted temperature *B: Compensates for ambient temperature (paper temperature)
- Adjusted temperature *C: Compensates for a drop in temperature at initial paper feed.

Environment C-1

The target temperatures for the heating roller and pressure roller are calculated as [*A] – [*B] + [*C].

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-006

		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100
		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
		Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
Htg R	[*A]	Gloss: Thk 8	25°C	SP1-119-148

		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187
		Non-carbon: Thk 8	25°C	SP1-119-188

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Roller		[*C]		
		Thk	Default	SP No..
Htg R	[*A]	Normal: Thk 0	5°C	SP1-119-100

		Normal: Thk 1	5°C	SP1-119-101
		Normal: Thk 2	5°C	SP1-119-102
		Normal: Thk 3	20°C	SP1-119-103
		Normal: Thk 4	20°C	SP1-119-104
		Normal: Thk 5	20°C	SP1-119-105
		Normal: Thk 6	25°C	SP1-119-106
		Normal: Thk 7	25°C	SP1-119-107
		Normal: Thk 8	25°C	SP1-119-108
		Matte: Thk 0	5°C	SP1-119-120
		Matte: Thk 1	5°C	SP1-119-121
		Matte: Thk 2	5°C	SP1-119-122
		Matte: Thk 3	20°C	SP1-119-123
		Matte: Thk 4	20°C	SP1-119-124
		Matte: Thk 5	20°C	SP1-119-125
		Matte: Thk 6	25°C	SP1-119-126
		Matte: Thk 7	25°C	SP1-119-127
		Matte: Thk 8	25°C	SP1-119-128
		Gloss: Thk 0	5°C	SP1-119-140
Htg R	[*A]	Gloss: Thk 1	5°C	SP1-119-141
		Gloss: Thk 2	5°C	SP1-119-142
		Gloss: Thk 3	20°C	SP1-119-143
		Gloss: Thk 4	20°C	SP1-119-144
		Gloss: Thk 5	20°C	SP1-119-145
		Gloss: Thk 6	25°C	SP1-119-146
		Gloss: Thk 7	25°C	SP1-119-147
		Gloss: Thk 8	25°C	SP1-119-148
		Envelope: Thk 5	20°C	SP1-119-165
		Envelope: Thk 6	25°C	SP1-119-166
		Envelope: Thk 7	25°C	SP1-119-167
		OHP	20°C	SP1-119-175
		Non-carbon: Thk 0	5°C	SP1-119-180
		Non-carbon: Thk 1	5°C	SP1-119-181
		Non-carbon: Thk 2	5°C	SP1-119-182
		Non-carbon: Thk 3	20°C	SP1-119-183
		Non-carbon: Thk 4	20°C	SP1-119-184
		Non-carbon: Thk 5	20°C	SP1-119-185
		Non-carbon: Thk 6	25°C	SP1-119-186
		Non-carbon: Thk 7	25°C	SP1-119-187

Note 1

Exercise caution in the adjustment of SP1111-006, SP1111-008. Adjusting these could affect other settings that could cause paper to curl. For example if you change SP1-111-006 to correct curl for Thk4, this change in setting could after other paper (Thk1 to Thk4) that references this setting. For example, if you adjust Thk4 to correct curl by raising the setting of SP 1-111-006, this change will also affect the settings for Thk1 to Thk4.

Note 2

The target temperatures for “Adjust Temp. 1 (*B) and “Adjust Temp. 2 (*C) are different so separate SP codes are provided so these adjustments can be switched on/off. For example “Adjust. Temp 2” (*C) can be used to adjust the initial temperature at the start of paper feed.

- Adjusted temperature *B: Compensates for ambient temperature (paper temperature)
- Adjusted temperature *C: Compensates for a drop in temperature at initial paper feed.

Fusing Unit (3/4)

Details

Target Temperature (2/2)

7. During Job Paper Feed

This step is the time after Step 6 described above until job end.

Environment A-1

[*A]	User setting for each type of paper. Actual temperatures are listed.
[*B]	Adjust Temperature. There is a default setting for each thickness, and the default can be adjusted with the SP code.
[*C]	Adjust Temperature 2. There is a default setting for each thickness, and the default can be adjusted with the SP code.

The target temperature for the environment is calculated [*A] + [*B] + [*C]. However, [*B] and [*C] can be calculated in the SP mode.

1. The paper temperature settings can be adjusted for each tray and paper of different thickness (Thick 1 to 8).
2. An SP can be selected to adjust temperature [*A] (user tool paper settings) assigned for different paper thickness beforehand (allocated with Ricoh IMSS software).

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	

		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Environment B-1

The target temperatures for the heating roller and pressure roller are applied as [*A] + [*B] + [*C]. However, [*B] “Adjust Temp. 1" the default (including cases where the default has been changed in the SP mode) is calculated: (23ºC – Machine Temp.)/23ºC – 10oC)

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-005
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-007
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011

		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-009
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-011
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Environment B-2

The target temperatures for the heating roller and pressure roller are applied as [*A] – [*B] + [*C]. However, [*B] “Adjust Temp. 1" the default (including cases where the default has been changed in the SP mode) is calculated: Machine Temp. – 23ºC/(32ºC – 23C)

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Environment C-1

The target temperatures for the heating roller and pressure roller are calculated as [*A] – [*B] + [*C].

Uncoated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-006
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	

		Thk 4	10°C	
		Thk 5	10°C	SP1-111-008
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

Coated Paper

Roller		[*B]		
		Thk	Default	SP No..
Htg R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	
Press R	[*A]	Thk 0	10°C	SP1-111-010
		Thk 1	10°C	
		Thk 2	10°C	
		Thk 3	10°C	
		Thk 4	10°C	
		Thk 5	10°C	SP1-111-012
		Thk 6	10°C	
		Thk 7	10°C	
		Thk 8	10°C	

8. After Paper Passing

The target temperature is set for each roller depending on detected ambient temperature as described below. (See Step 3. Roller Rotation After Reload Temperature).

9 Lower Power Mode

Heating Roller Target Temperature

Model	Temperature	SP
Type a	155°C	SP1-107-005
Type b	160°C	
Type c	75°C	

Pressure Roller Target Temperature

Model	Temperature	SP
Type a	75°C	SP1-107-006

Model	Temperature	SP
Type b	75°C	
Type c	65°C	

The power to the fusing motor switches off, and the pressure roller releases pressure on the hot roller.

Low Power Mode Recovery Time

Model	Recovery Time
Type a	36 sec.
Type b	36 sec.
Type c	85 sec.

The low power mode temperature is fixed in order to minimize the recovery time. However, the low power mode temperature for Type c is set lower, so more time is necessary for recovery.

10 Off/Sleep Modes

The heating roller lamps, pressure roller lamp, and fusing motor are shut down, and the pressure roller remains up against the fusing belt.

Fusing Unit (4/4)

Details

Fusing Unit SC Codes

Here is a list of SC codes generated by the fusing unit when a problem occurs. For more information about these important SC codes, refer to the SC code tables in this manual.

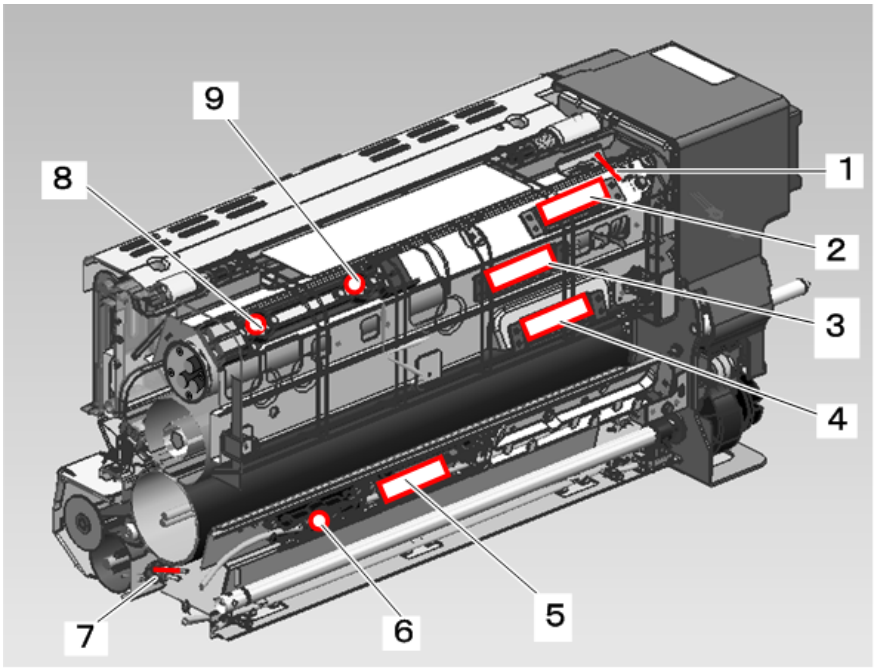


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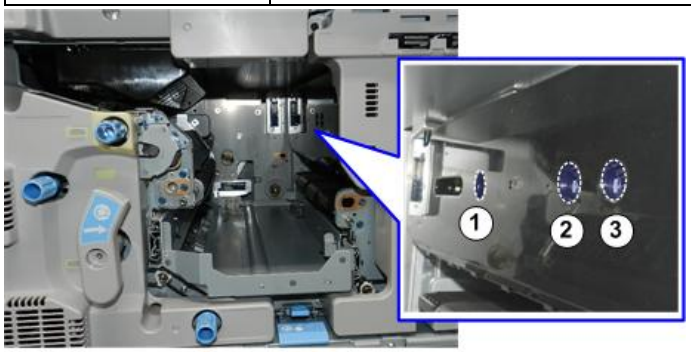
Photo Callout				
		1	**6**	**8**
SC	Sensor Cuts	566-00	561-00	558-00
	Reload Failed	-	562-01/02	-
	High Temp. Detected (Software)	567-00	563-00	-
	High Temp. Detected (Hardware)	568-00	-	564-00
	Continuous On	-	565-00	-
Sensor Func.	Fusing Lamp Temp. Control	-	○	-
	Safety Feature	○	-	○

Photo Callout				
		3	**2**	**4**
SC	Sensor Cuts	550-00	560-00	576-00
	Reload Failed	-	-	-

	High Temp. Detected (Software)	544-01	554-01	-
	High Temp. Detected (Hardware)	-	-	-
	Continuous On			
Sensor Func.	Fusing Lamp Temp. Control			
	Safety Feature	○	○	



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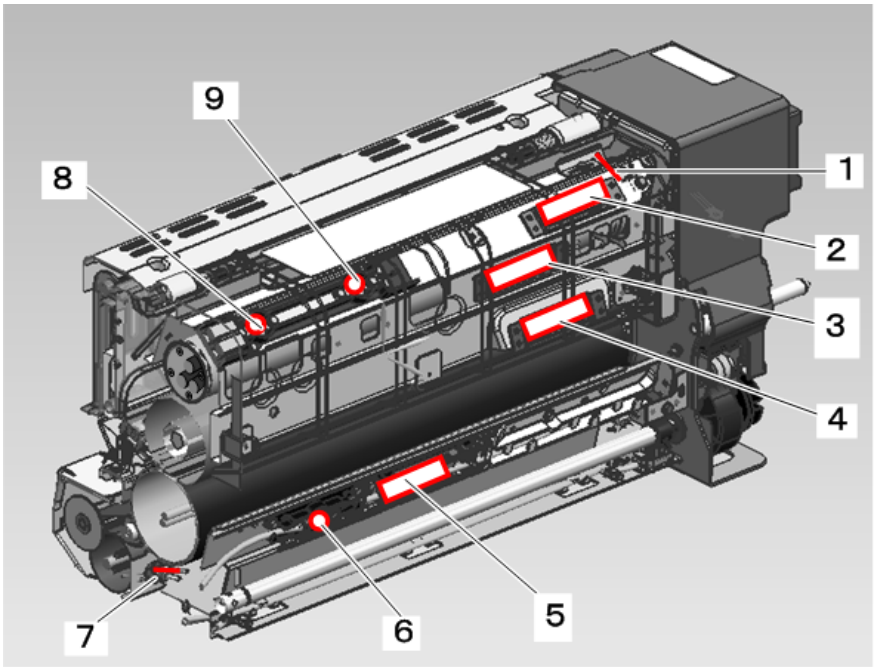
①	Thermopile: Heating Roller Center
②	Thermopile: Front
③	Thermopile: Extended

Photo Callout				
		①	②	③
SC		541-00	-	571-00
	SC Numbers	543-00	551-00	573-00
		542-01, 02	552-01, 02	574-00-
		544-02	553-00	-
		549-01	554-02	-
Sensor Func.	Fusing Lamp Temp. Control	○	○	○
	Safety Feature	○	○	○

Sensor Functions



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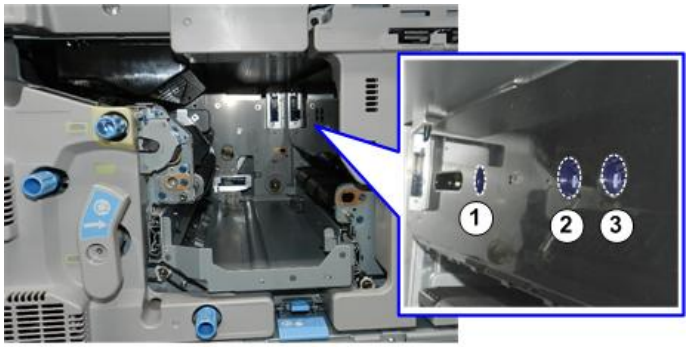
The numbers correspond to the callouts in the illustration above.

Illustration No.	No.1	No.6	No.8
Determine accum. temp. at warmup	No	Yes	No
Determine reload temp.?	No	Yes	No
Determine printing possible?	Yes	Yes	No
High temp. CPM down?*1	Yes	No	No
Hot roller idling?*2	No	No	No
Over temp. idling? *3	No	No	No
Illustration No.	**No.3**	**No.2**	**No.4**
Determine accum. temp. at warmup	No	No	No
Determine reload temp.?	No	No	No
Determine printing possible?	No	No	No
High temp. CPM down?*1	No	No	Yes
Hot roller idling?*2	No	No	Yes
Over temp. idling? *3	No	No	No

In the table above:

1	Fusing Heat Thermistor (Rear)
2	Fusing Temperature NC Sensor (Heating Roller End)
3	Fusing Temperature NC Sensor (Heating Roller Center)
4	Fusing Temperature Thermistor (Hot Roller Center)

6	Fusing Temperature NC Sensor (Pressure Roller - Center)
8	Pressure Roller Thermistor



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	①	②	③
Determine accum. temp. at warmup	Yes	No	No
Determine reload temp.?	Yes	No	No
Determine printing possible?	Yes	Yes	No
High temp. CPM down?*1	No	Yes	Yes
Hot roller idling?*2	No	No	No
Over temp. idling? *3	Yes	Yes	Yes

In the table above:

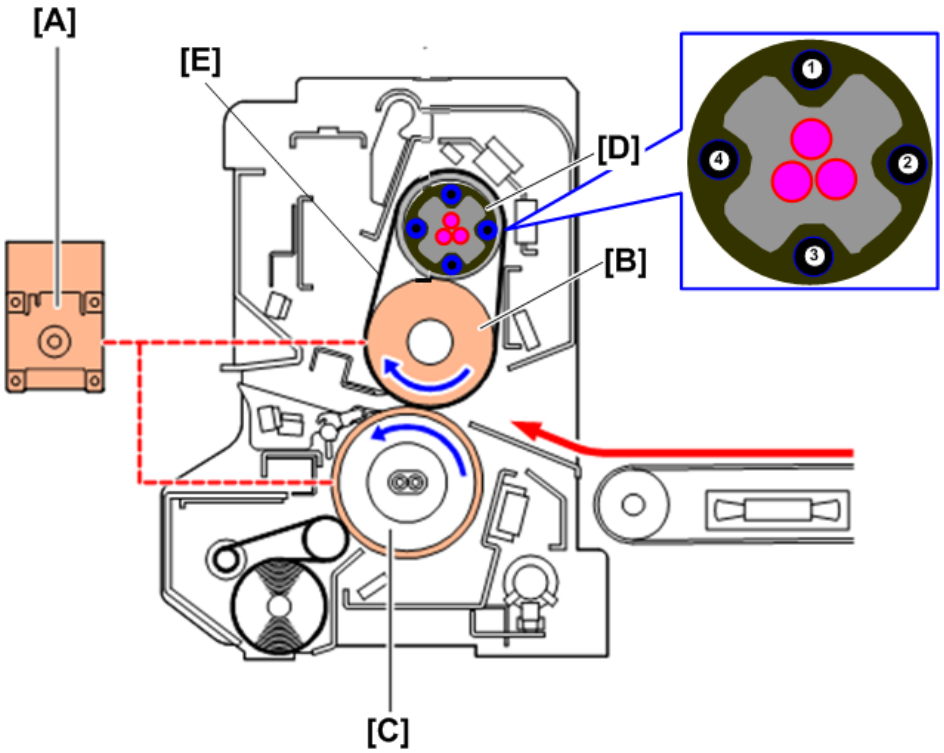
①	Thermopile: Heating Roller Center
②	Thermopile: Front
③	Thermopile: Front Extended

*1	High Temperature CPM Down
	If the fusing temperature exceeds the high temperature limit prescribed for these sensors, CPM down control changes the feed timing to create a wider interval between the sheets of paper feeding through the fusing unit.
*2	Hot Roller Idling
	In Ready mode the hot roller does not rotate constantly to maintain a correct even temperature on the hot roller, but if the machine remains in Ready mode for a long period, the hot roller may cool. If Fusing Temperature Thermistor (Hot Roller Center), which monitors the center of the hot roller, detects that temperature has dropped below its prescribed limit, this triggers hot roller idling for the prescribed interval to bring the temperature up to operational level.
*3	Idling to Prevent Overheating
	In the Ready mode, or when the machine returns from low power mode, if these sensors detect temperature above 215ºC (default), the machine will not drive the hot roller and belt until temperature has fallen below the prescribed limit.

Total Time of Data: d (min.)	17506	

Total Time of Data: d/60min. (Hour)	291.7667	
Total Power Consumption of Data: e (min.)		656389

Fusing Drive Layout



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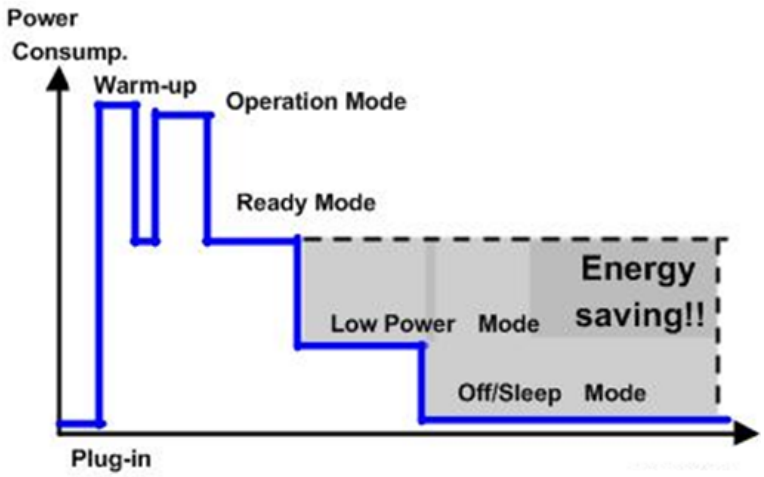
The fusing motor [A] drives the hot roller [B] and pressure roller [C], which in turn rotates the opposing heating roller [D] and fusing belt [E].

The heating roller [D] has four heat pipes on its inner surface. These heat pipes surround the fusing lamps at the center. The heat pipes are a closed condenser system. When the fusing lamps heat the pipes, fluid in the closed pipes heats up and evaporates. The evaporating fluid fills the center and capillaries of the pipes. This high temperature conductance maintains a near constant temperature on the surface of the heating roller, which in turn is transferred to the fusing belt.

Energy Save Mode

Customers should use energy saver modes properly, to save energy and protect the environment.



The area shaded grey in this diagram represents the amount of energy that is saved when the timers are at the default settings. If the timers are changed, then the energy saved will be different. For example, if the timers are all set to 240 min., the grey area will disappear, and no energy is saved before 240 min. expires.

Timer Settings

The user can set these timers with User Tools (System settings > Timer setting)

- Energy saver timer 1-240 min.: Low Power Mode. Default setting: 15 min.
- Auto off timer 1-240 min.: Off/Sleep Mode. Default setting: 60 min.

Normally, Energy Saver timer < Auto Off timer. But, for example, if Auto Off timer < or = Energy Saver timer, the machine goes immediately to Off mode when the Auto Off timer expires. It skips the Energy Saver mode.

Example

- Low power: 15 min.
- Auto Off: 1 min.
- The machine goes to Off mode after 1 minute. Low Power mode is not used.

Return to Stand-by Mode: Low Power Mode

The recovery time depends on the model.

Machine	NA/EU
D270	35 sec.
D271	35 sec.
D272	75 sec.

Return to Stand-by Mode: Off/Sleep Mode

Recovery time: 360 sec. or less

Recommendation

We recommend that the default settings should be kept.

- If the customer requests that these settings should be changed, please explain that their energy costs could increase, and that they should consider the effects on the environment of extra energy use.
- If it is necessary to change the settings, please try to make sure that the Auto Off timer is not too long. Try with a shorter setting first, such as 30 min., then go to a longer one (such as 60 min.) if the customer is not

satisfied.

- If the timers are all set to the maximum value, the machine will not begin saving energy until 240 minutes has expired after the last job. This means that after the customer has finished using the machine for the day, energy will be consumed that could otherwise be saved.
- If you change the settings, the energy consumed can be measured using SP8941, as explained below.

Energy Save Effectiveness

SP 8941 (Machine Status) keeps a record of the amount of time that the machine spends in each mode.

- 8941-001: Operating mode
- 8941-002: Standby mode
- 8941-004: Low power mode
- 8941-005: Off/sleep mode

With this data, and the power consumption values from the specifications, we can estimate the amount of energy that is used by the machine.

This should only be used as a reference value, because the power consumption specifications are measured in a controlled environment with a constant power supply.

To get an exact measurement at the customers site, a watt meter must be used to measure the actual energy consumed.

To use SP8941 to calculate the energy consumed:

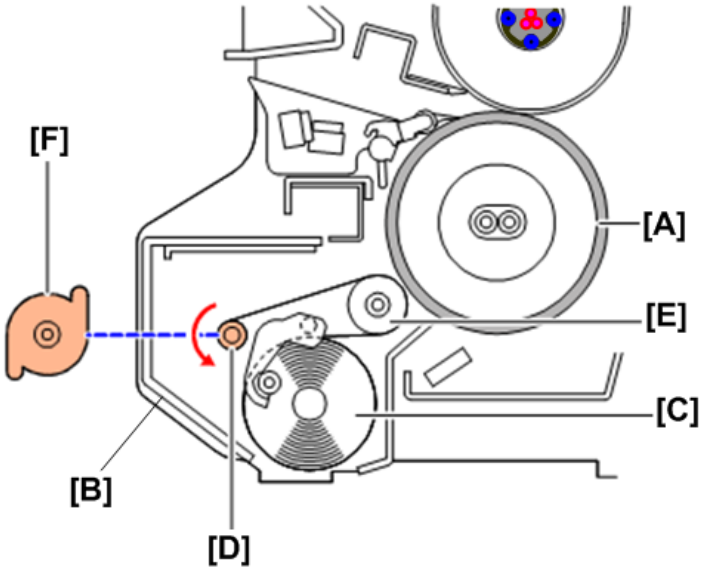
- At the start of the measurement period, read the values of SP8941 001 to 005.
- At the end of the measurement period, read the values of SP8941 001 to 005 again.
- Find the amount of time spent in each mode (subtract the earlier measurement from the later measurement).
- Multiply this by the power consumption spec for each mode.
- Convert the result to kWh (kilowatt hours)

Here is an example calculation.

Machine Date	Power Consumption (W): Data: a	SP8941: Machine Status	Start Time: (min.) Data: b	End Time: (min.) Data: c	Time Differences (Data: c - Data: b) (min.) Data: d	Power Consumption (Data: a x Data: d) (Wmin.) Data: e
Operating	1.80 KW	001: Op. Time	21089	21386	297	534600
Ready	51W	002: Standby Time	306163	308046	1883	96033
Energy mode (Panel off)		003: Energy Save Time	0	0	0	0
Low power mode	3.8 W or less	004: Low power	72836	75111	3725	14155

Machine Date	Power Consumption (W): Data: a	SP8941: Machine Status	Start Time: (min.) Data: b	End Time: (min.) Data: c	Time Differences (Data: c - Data: b) (min.) Data: d	Power Consumption (Data: a x Data: d) (Wmin.) Data: e
		Time				
Sleep mode	1W or less	005: Off mode Time	508776	520377	11601	11601

Fusing Cleaning Unit



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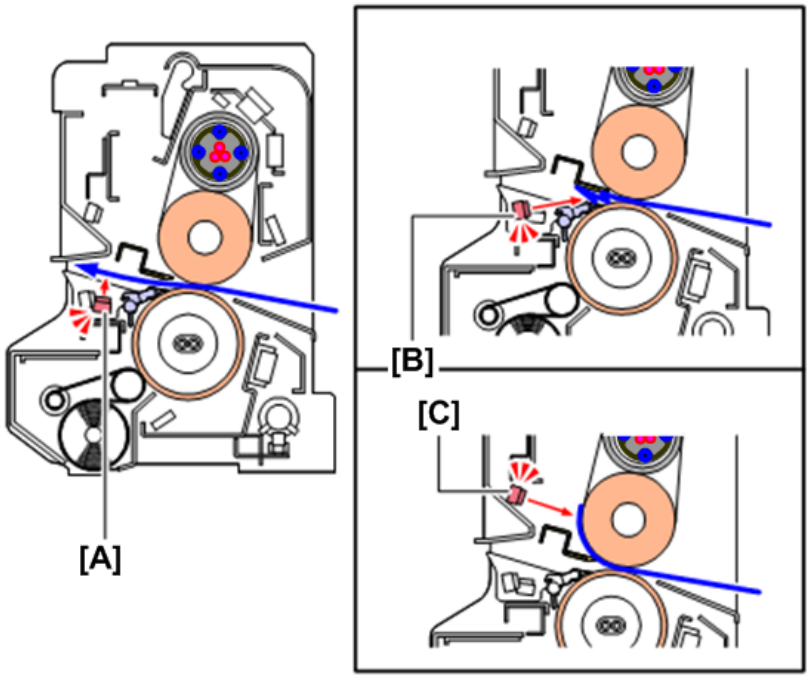
- The fusing cleaning unit [B] cleans the surface of the fusing belt, removing dust picked up from paper and the pressure roller [A].
- The cleaning unit uses a heat-resistant web cleaner.
- The cleaning web [C] unrolls from its supply roller onto a take-up roller [D] as it is used to accumulate paper dust and other matter. The web is treated with a small amount of silicone oil that coats the surface of the fusing belt as it is cleaned.
- The web motor (a small DC motor) [F] attached to the left bottom corner of the fusing unit drives the web cleaning unit; every time this motor turns on the web feeds a prescribed distance.
- The portion of the web that has already been used for cleaning is rolled up onto a take-up roller to bring a fresh patch of the web into contact with the belt surface.



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Fusing Unit Paper Sensors

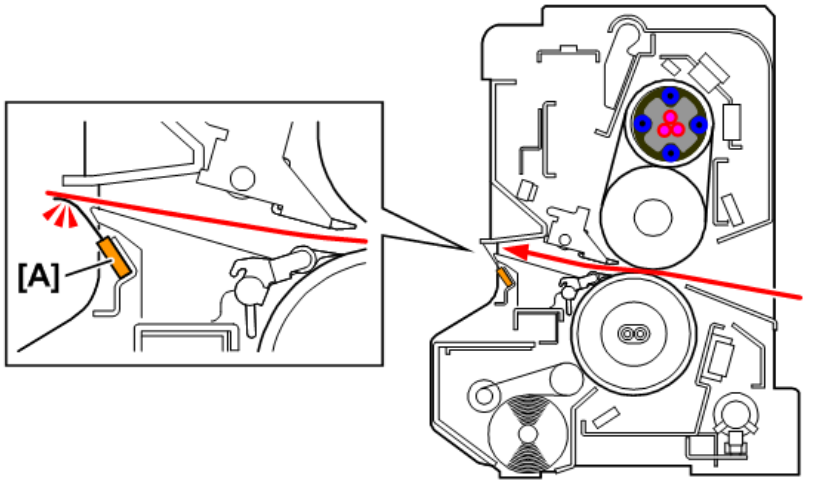
Sensor name	Fusing exit sensor [A]	Accordion jam sensor [B]	Fusing belt sensor [C]
Sensor type	Photo interrupt	Photo interrupt	Photo interrupt
Location	Below paper path at fusing unit exit	Below paper path at fusing unit exit	Above paper path at fusing unit exit
Function	Times the arrival and exit of paper to detect late and lag paper jams during paper feed.	Detects paper remaining at the fusing nip that has not separated at the separation plate.	Detects paper by comparing the reflectivity of paper and belt to detect paper that wraps around the belt.
Jam detection?	Yes	No	No
Paper remains detection?	Yes	Yes	Yes
	Detects paper that fails to leave the fusing unit exit.	Detects accordion jams at the fusing unit nip.	Detects paper that wraps around the fusing belt.

Note

- The machine checks for paper remaining in the fusing unit when the machine is turned on and every time the front doors are closed.

Paper Exit

A row of anti-static brushes has been added at the fusing unit exit to remove any static charge on the paper. This prevents static cling in the remainder of the paper path.



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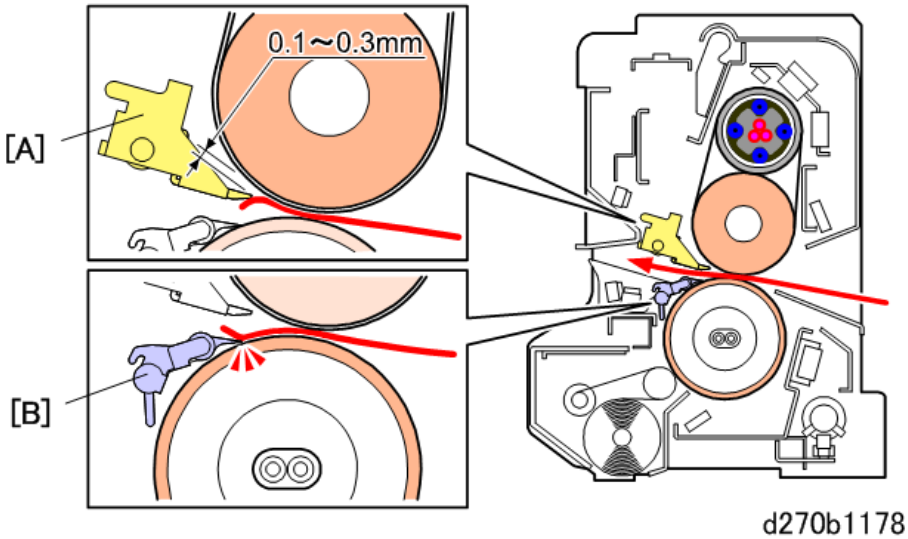
Paper Separation

The fusing unit is equipped with a separation plate and separation pawls that prevent paper from wrapping around the fusing belt and the pressure roller.



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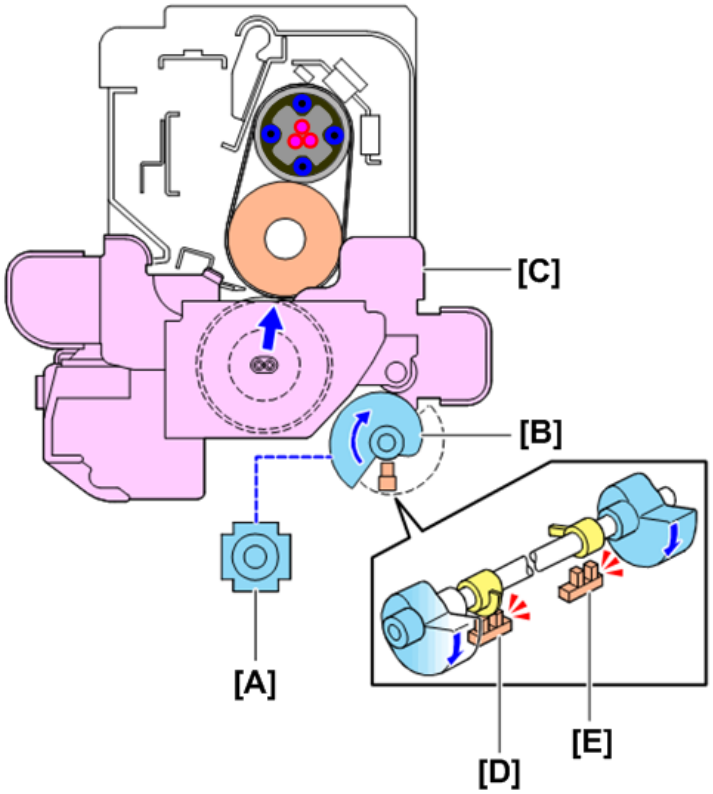
[A]	**Separation plate**. Separates paper that passes through the fusing nip from the surface of the fusing belt and guides it toward the fusing unit exit. The gap between the separation plate and the fusing belt is narrow enough (0.1 mm to 0.3 mm) to catch the leading edge of paper that floats up toward the fusing belt but wide enough to prevent contact and damage to the surface of the belt.
[B]	**Separation pawls**. Separate paper that passes through the fusing nip from the surface of the pressure roller and guide it toward the fusing unit exit. The tips of the pawls contact the surface of the pressure roller with very light pressure

Pressure Mechanism



d270b1130

The fusing unit is provided with a mechanism that can raise and lower the pressure roller, so the pressure roller can be pulled away slightly to widen the nip for thick paper and to prevent a rise in temperature.

- At the start of a job, the pressure roller lift motor [A] rotates two cams [B] under the pressure roller [C] to lift it up against the fusing belt and hot roller above.
- At the end of the job, the lift motor rotates the cams again to lower the pressure roller.

Two pressure roller lift sensors with actuators are mounted at each end of the pressure roller shaft to monitor the position of the pressure roller.

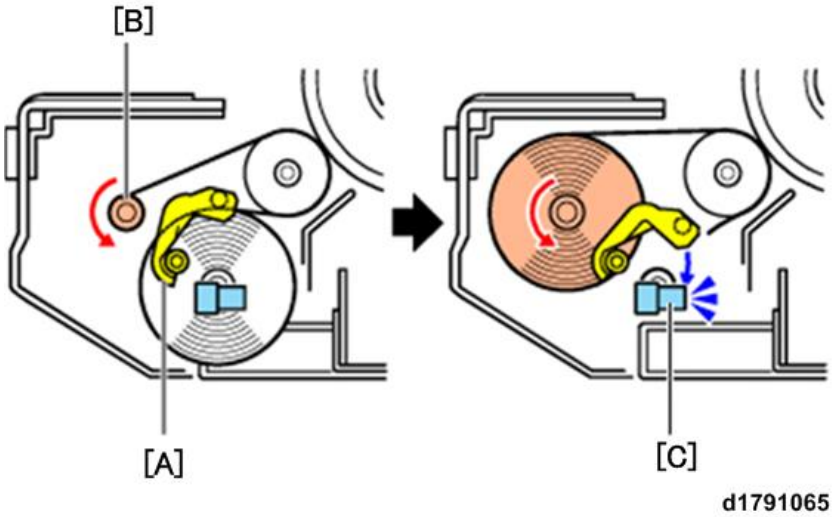
- Pressure roller cam HP sensor (front): This sensor detects the home position of the pressure cam.
- The lift sensor [E] at the rear detects if there is a problem with rotation of the cam. It detects when there is too much pressure on the pressure roller.

The following parts comprise the pressure roller unit.

- Entrance Guide (Lower)
- Pressure roller temperature control components
- Pressure roller, separation plate (applied pressure)
- Fusing Exit Guide Plate (Center)
- Sensors (Hot Roller Exit, Jammed Paper)
- Fusing Cleaning Unit
- Pressure roller lift motor (raises and lowers the pressure roller)
- Press roller cam HP sensor (controls the raising and lowering the pressure roller by the pressure roller lift motor)

The default width of the fusing unit nip between the heating roller and pressure roller is 15.9 mm. The width of this nip is usually not adjusted in the field. The fusing unit nip can be adjusted by using a screw driver to raise or lower the pressure roller. This task is the same as that for the Pro907EX Series.

Web End



A feeler [A] remains suspended by the web stretched between the web supply roller [B] and web take-up roller. Once the web spools off the web supply roller, the feeler drops into the gap of the web end sensor [C]. The sensor signals the machine to issue the web end alert and the machine stops.

Web Near End

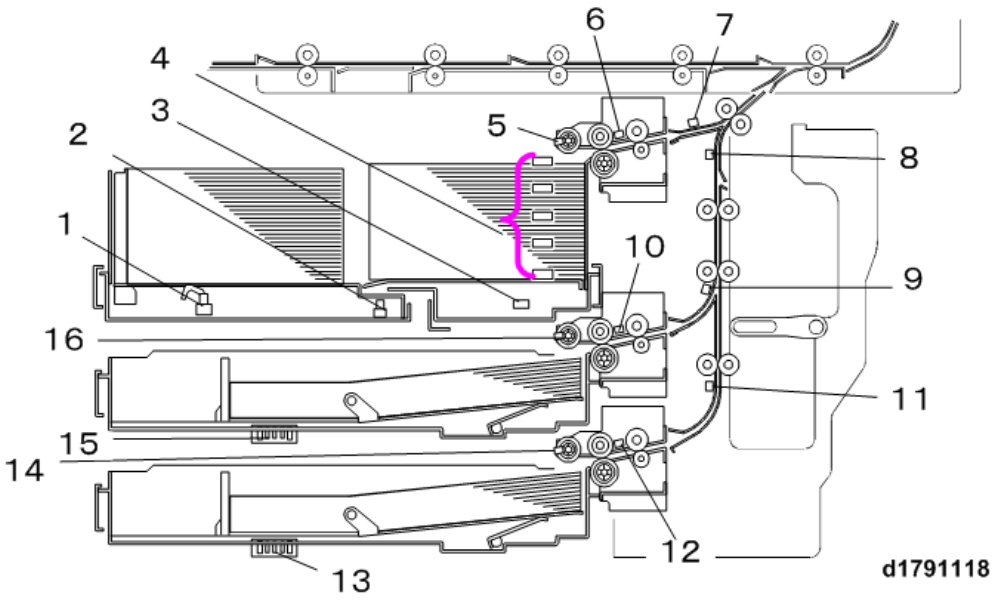
According to the setting of SP1902-004 that controls the web near-end alert, the machine signals the alert when the web is near the end of its service life. The default setting is 81% (percent of the web used). The total service life of the web is about 750 K.

Paper Feed

Mechanism

Overview

The paper feed units feed paper from the paper bank of the main machine.



Layout

No.	Name	No.	Name
1	Left Tray Paper End Sensor	9	2nd Transport Sensor
2	Rear Fence Return Sensor	10	2nd Feed Sensor
3	Lower Limit Sensor	11	3rd Transport Sensor
4	Paper Sensors 1 to 5	12	3rd Feed Sensor
5	1st Paper End Sensor	13	3rd Paper Size Sensor
6	1st Feed Sensor	14	3rd Paper End Sensor
7	Bank Exit Sensor	15	2nd Paper Size Sensor
8	Vertical Transport Sensor	16	2nd Paper End Sensor

Details

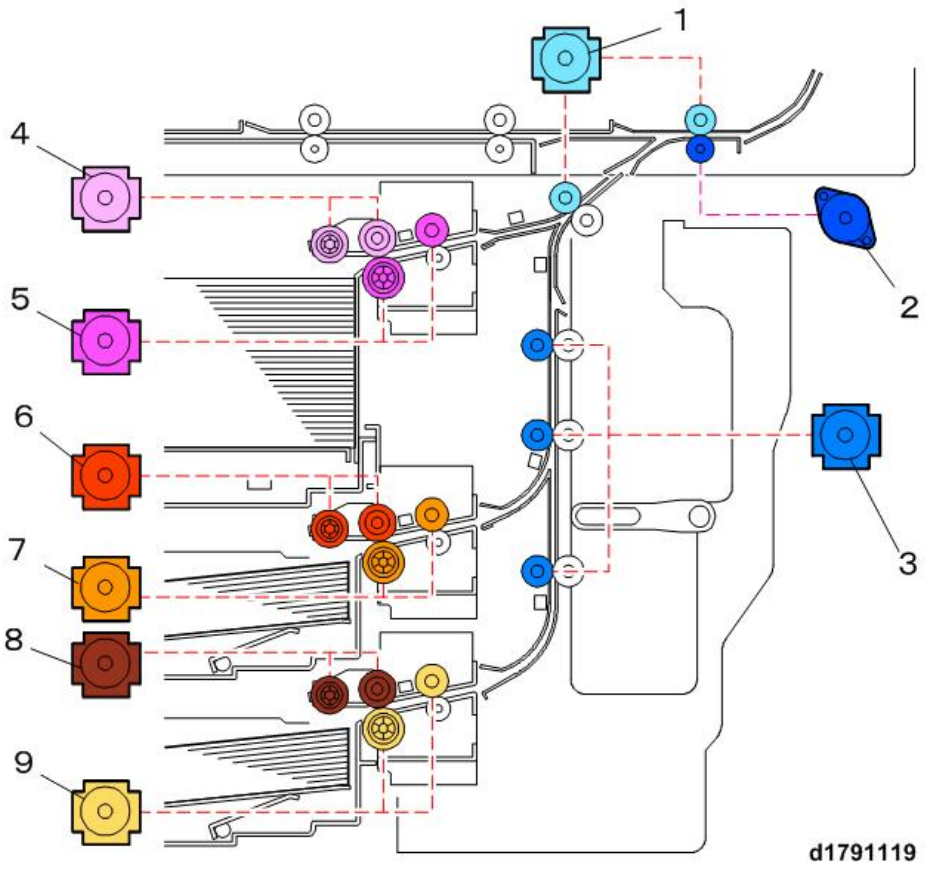
Paper Feed (Main Machine)

Paper Feed, Separation Mechanism	
• Paper Feed, Separation	FRR paper separation system (pickup, feed, separation rollers)
• Separation Roller Pressure Release	Taking the tray out and replacing it opens, closes nip of separation roller.

Tray 2, 3	Universal Trays
• Tray Raising and Lowering	Bottom plates raised and lowered by tray lift motors.
• Upper Limit Detection	Detecting the height of pickup roller
• Paper End Sensor	Photosensor detects presence (and absence) of paper
• Paper Size Detection	Automatic size detection system (5 connected hard switches)
Tandem Tray	
• Paper Size Detection	SP mode settings
• Tray Raising and Lowering	Bottom plate raised and lowered by tray lift motor
• Paper Remaining Detection	4 interrupt sensors monitor paper height, 1 photosensor detects presence (and absence of paper)
• Right Tandem Tray Fence Operation	Solenoid opens and closes front/rear fences
• Tandem Tray Side Fence Operation	Rear fence motor operates front/rear fences
• Left Tray Rear Fence Operation	Rear fence drive motor operates left tray rear fence
• Left Tray Lock	Tray locking during paper stack shift from left to right to refill right tray
• Right Tray Lock	Right tray locking when left tray is removed during machine operation for paper replenishment
• Tandem Tray Operation	General tray operation
• Humidity Elimination	Anti-condensation heaters
Tray LED Display During Operation	Tray LED displays during machine operation
Tray Heaters	Tray locks of Tray 1, Tray 2, Tray 3 when trays opened and closed
Tray Handle Lock Mechanisms	Manual release lock mechanisms for each tray.

Drive Layout

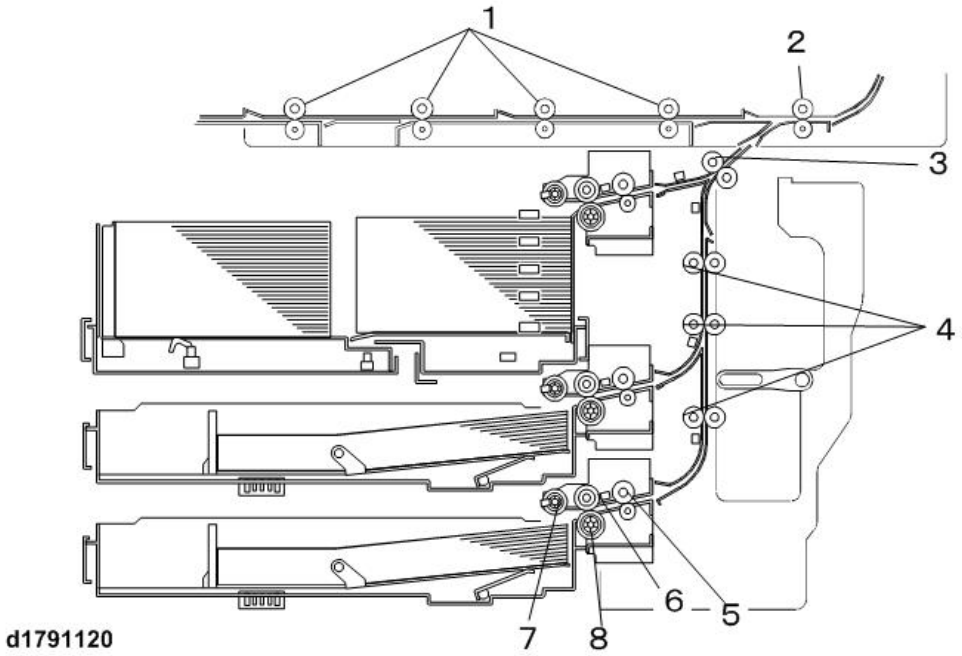
This machine uses and independent paper feed unit (PFU) for each paper feed station.



No.	Name	No.	Name
1	Bank Exit Motor	6	2nd Feed Motor
2	Main Relay Separation Motor	7	2nd Grip Motor
3	Vertical Transport Motor	8	3rd Feed Motor
4	1st Paper Feed Motor	9	3rd Grip Motor
5	1st Grip Motor		

Paper Transport Layout

Paper is fed and transported from Tray 1, 2, 3 (F1, F2, F3) for simplex and duplex printing. The machine can feed thick paper quietly and smoothly from each paper feed unit to the vertical transport unit.



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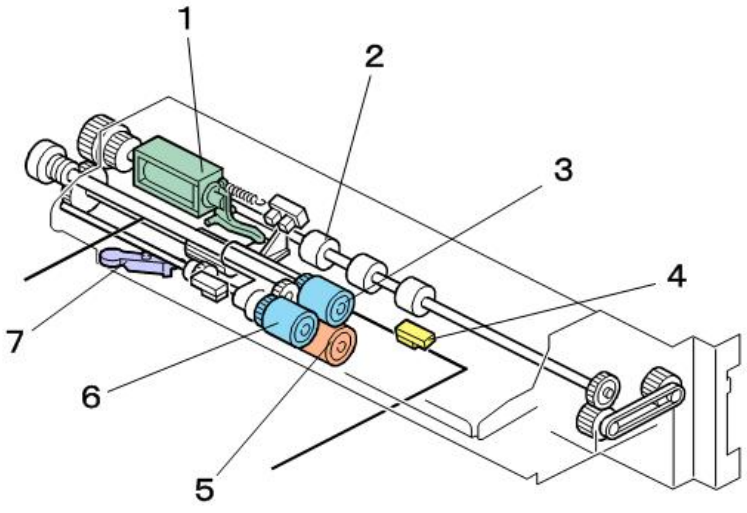
No.	Name
1	Duplex Transport Rollers
2	Main Relay Rollers
3	Bank Exit Rollers
4	Vertical Transport Rollers
5	3rd Transport Roller
6	3rd Feed Roller
7	3rd Pickup Roller
8	3rd Separation Roller

Paper Feed and Separation Mechanism

Paper Feed and Separation



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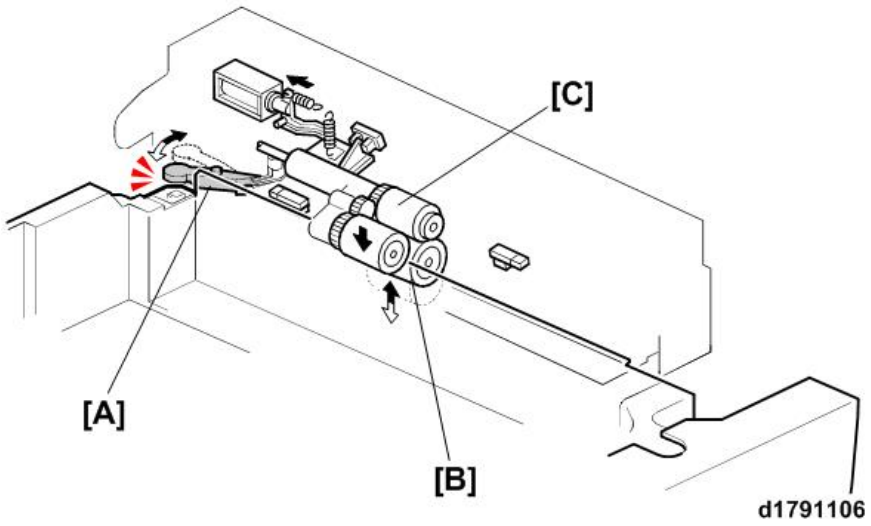
No.	Name	No.	Name
1	Pickup Solenoid	5	Separation Roller
2	Transport Rollers	6	Pickup Roller
3	Feed Roller	7	Pressure Slide Arm
4	Feed Sensor		

First, the paper transport motor switches on, and then the pickup solenoid switches on.

- The feed motor switches on and rotates the feed roller.
- The gear train rotates the pickup roller which feeds the first sheet from the top of the stack.
- The separation roller (equipped with a torque limiter) closes with the feed roller to form the nip where each sheet feeds.
- If more than one sheet of paper feeds, there will be no resistance between the extra sheet and the sheet above, and this lack of resistance will cause the separation roller to reverse slightly and flip the paper back into the paper tray.
- Next, the paper feed sensor (a photosensor) detects the paper, and then switches off the paper feed motor and pickup solenoid to raise the pickup roller and release the sheet of paper.
- The pressure slide arm lowers and raises the separation roller when the tray is removed and inserted so jammed paper can be removed easily.

Separation Roller Pressure Release



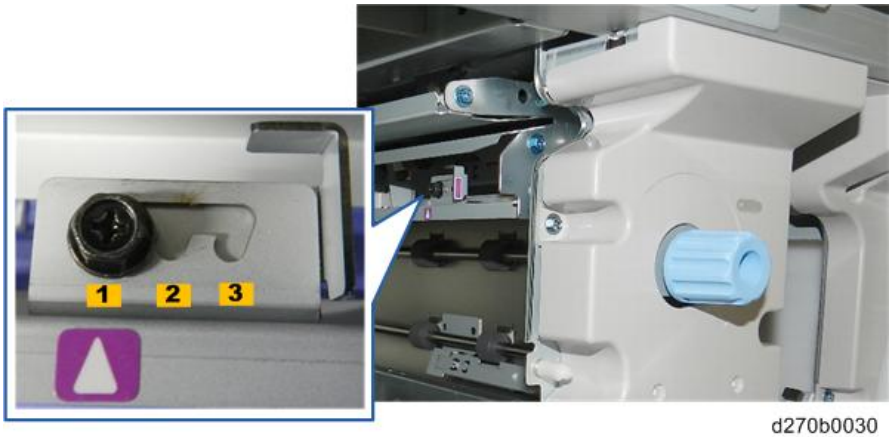
When a paper tray is pushed into the machine:

- The pressure slide arm [A] forces the separation roller [B] up to close the nip between the separation roller and feed roller [C].
- When the paper tray lift motor switches on and lifts the bottom plate and stack, the tray is at paper feed standby position and ready to feed paper after the paper feed and transport motors switch on.

Each PFU is equipped with a notch mechanism to adjust the pressure of the nip between the separation roller and feed roller. This is a new feature.

- The rear position [1] is the default, the center position [2] forces more pressure at the nip, and the forward

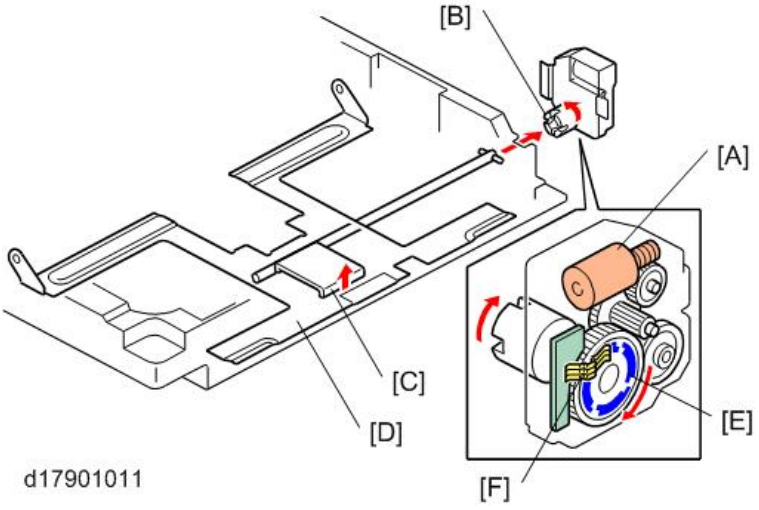
position [3] forces the most pressure at the nip.



- This adjustment is done when misfeeds and double-feeds become frequent due slippage caused by the accumulation of paper dust on the separation roller when using coarse paper.
- This adjustment can also be done to correct double-feeding due to worn rollers until replacement rollers become available.
- This is a TCRU adjustment and can be done independently for each PFU without removing it.
- However, Paper Tray 1 (Tandem Tray) must be removed in order to access the adjustment screws. (PFU Separation Roller Nip Adjustment)

Tray 2, 3 (Universal Trays)

Tray Raising and Lowering

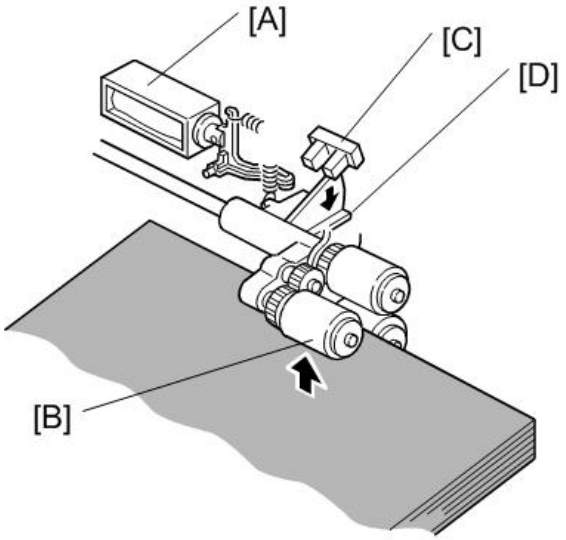


When the loaded tray is pushed into the machine:

- The tray lift motor [A] switches on and rotates a coupling [B] interlocked with a pin on the shaft of the arm [C] against the bottom of the tray [D] under the stack.
- The rotated shaft raises the arm and bottom plate.
- The tray motor coupling remains meshed and locked with the lift arm (to keep the stack raised), but disengages from the arm and automatically lowers the bottom plate and stack when the tray is opened.

- The amount of rotation to bring the stack to the optimum feed position is measured by a small metal plate [E] in contact with a gear [F] inside the motor mount (the amount of rotation tells the machine how much paper remains in the tray).

Upper Limit Detection



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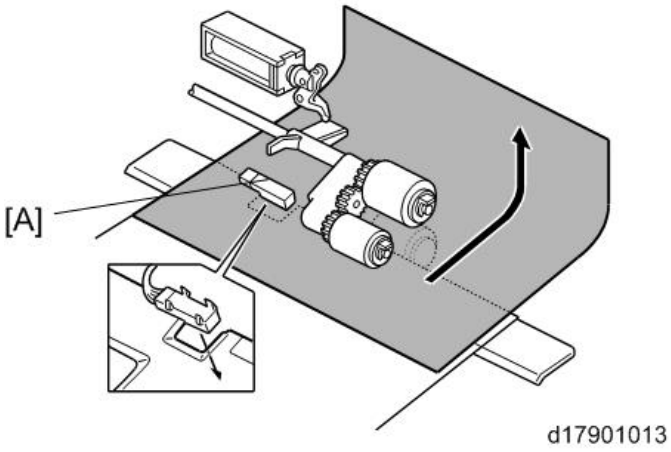
When the tray is pushed into the machine:

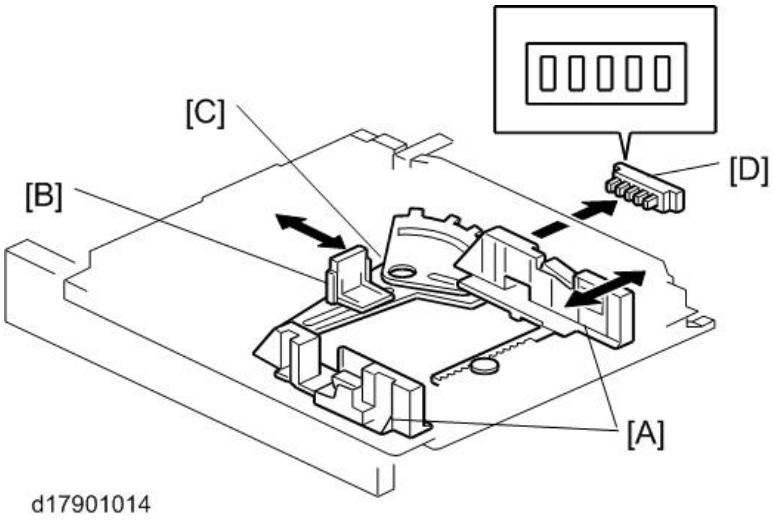
- The pickup solenoid [A] switches on and lowers the pickup arm and pickup roller [B]. With the pickup roller down on top of the paper stack, the machine raises the paper stack and roller.
- When the upper limit sensor [C] (an interrupt sensor) detects the actuator on the arm of the pickup roller, this switches the tray lift motor off with the top of the stack at the paper feed position.
- Next, in order to confirm that the top of the stack is at the optimum feed position, the lift motor reverses momentarily, the upper limit position sensor checks the position, and the lift motor reverses to correct raise the tray and correct the position.
- The tray lift sensor actuator [D] ascends gradually as sheets are fed for printing until it actuates the tray lift sensor and signals the machine to switch on the lift motor to raise the tray again to the correct paper feed position.

Paper End Sensor



Each PFU is equipped with a paper end sensor [A] (a photosensor) that signals when there is no more paper in the paper tray.

Paper Size Detection



The machine can automatically detects the size of the paper when the operator adjusts the positions of the side fences and end fence to sides of the paper.

- Moving the side fences [A] and end fence [B] moves a metal wheel [C] that activates combinations of 5 micro-switches on a detection board [D] inside the tray.
- Each switch corresponds to a bit, and the readings of the detected positions (shown in the table below) detect the size is also and display it on the operation panel.

Paper Size	Sub Scan	Main Scan	A	B	C	D	E
12” x 18”	457.2	304.8	1	1	1	1	1
A3	420	297	1	1	0	0	1
B4	364	257	1	0	0	1	1
A4 SEF	297	210	0	1	0	0	1
A4 LEF	210	297	1	1	0	0	0
B5 SEF	257	182	1	0	1	0	1

Paper Size	Sub Scan	Main Scan	A	B	C	D	E
B5 LEF	182	257	0	0	0	1	1
A5 SEF	210	148	1	1	1	0	1
A5 LEF	148	210	0	1	1	0	1
DLT (11” x 17”)	431.8	279.4	1	1	1	0	0
LG (8.5” x 14”)	355.6	215.9	1	0	1	1	0
LT SEF	279.4	215.9	1	1	0	1	0

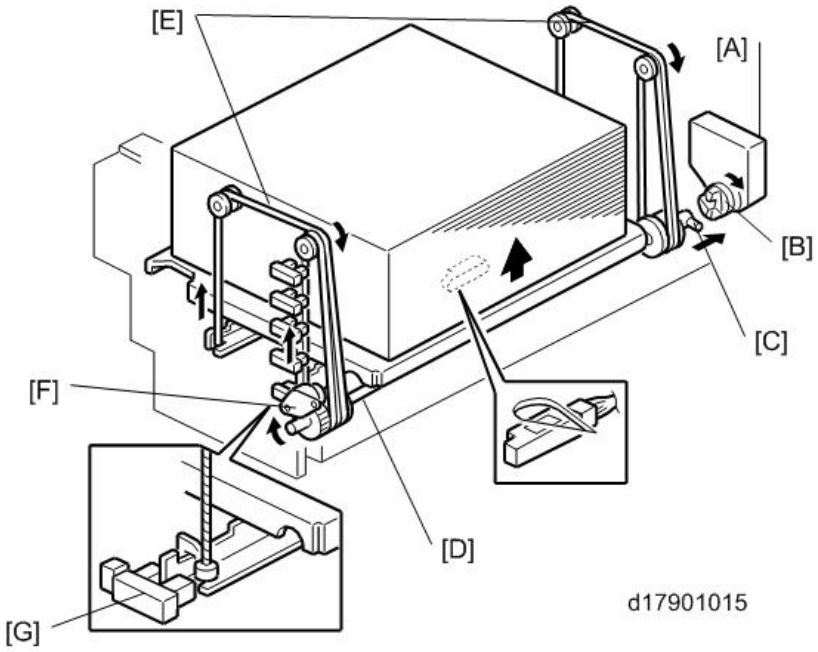
Paper Size	Sub Scan	Main Scan	A	B	C	D	E
LT LEF	215.9	279.4	0	1	1	0	0
HLT SEF	215.9	139.7	0	1	1	1	0
HLT LEF	139.7	215.9	1	1	1	1	0
F4 (8.5 x 13”)	330.2	215.9	1	1	0	1	1
Folio (8.25” x 13”)	330.2	209.55	0	1	0	1	1
F (8” x 13”)	330.2	203.2	0	1	1	1	1
Exec SEF (7.25” x 10.5”)	266.7	184.2	1	0	1	0	0
Exec LEF (7.25” x 10.5”)	184.2	266.7	0	0	1	1	1
8-Kai SEF	390	267	0	0	1	1	0
16-Kai SEF	267	195	1	0	0	1	0
16-Kai LEF	195	267	1	0	1	1	1

Tandem Tray

Paper Size Detection

The tandem tray is dedicated for use with A4 LEF paper and has no automatic paper size detection feature. The tandem tray can be set for LT LEF paper by adjusting the side fences and end fences, but this new paper size setting must be set with **SP5019-002**.

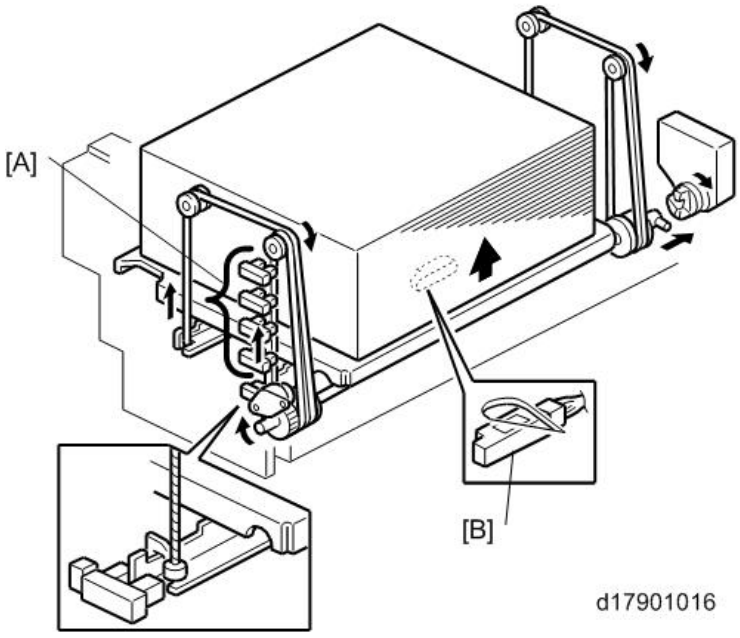
Tray Raising and Lowering



When the loaded tray is pushed into the machine:

- The tray lift motor [A] switches on and rotates a coupling [B] interlocked with a pin [C] on the bottom of the tray.
- This rotates the lift shaft [D] and operates the wire pulleys [E] that raise the bottom the tray and paper stack.
- The lift motor coupling remains meshed and locked with the pin of the shaft (to keep the stack raised), but disengages from the arm and automatically lowers the bottom plate and stack when the tray is opened.
- A damper [F] slows the speed of the descent to prevent the tray from falling too fast.
- The lower limit sensor [G] detects the bottom position of the tray.

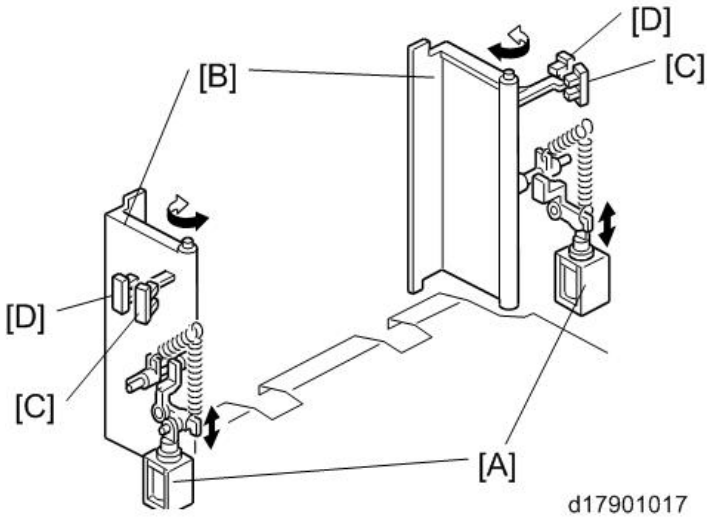
Paper Remaining Detection



Four paper height sensors [A] attached to the front of the right tray monitor the amount of paper that remains in the tray.

- As the actuator on the right support rod rises, it de-activates each sensor in turn to trigger 5 levels of paper remaining alerts on the operation panel.
- When the tray is full no sensors are de-activated (100%).
- The paper end sensor [B] indicates when the tray is out of paper after the last sheet feeds from the tray.

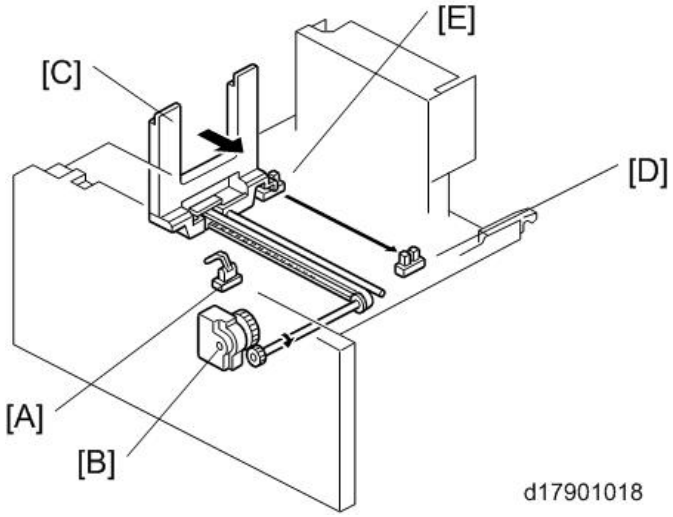
Tandem Tray Side Fence Operation



The right tray is provided with two solenoids [A] at the front and back. When paper in the right tray runs out:

- The front and rear side fence solenoids switch on and open both fences [B] swing open until the front and back fence open sensors [C] switch on.
- When the rear fence of the left tray pushed paper into the right tray, the rear fence return sensor switches on and switches off the side fence solenoids and the side fences close.
- When the front and rear side fence closed sensors [D] activate after the side fences close, this triggers a message on the operation panel to tell the user to load paper into the left side of the tandem tray. If the fences do not close correctly, a message on the operation panel alerts the user to reset the tray.

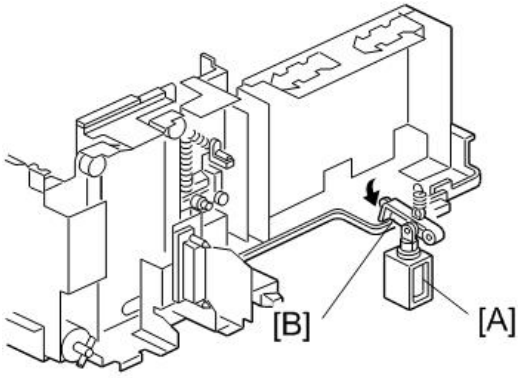
Left Tray Rear Fence Operation



When the left tray paper end sensor [A] detects paper in the left tray and the right tray paper end sensor detects no paper in the right tray:

- The rear fence motor [B] switches on and pushes the rear fence [C] against the side of the paper stack to move it to the right tray.
- When the actuator on the rear fence activates the rear fence return sensor [D], the rear fence drive motor reverses to retract the rear fence.
- The motor switches off when rear fence HP sensor [E] detects the rear fence at its home position.

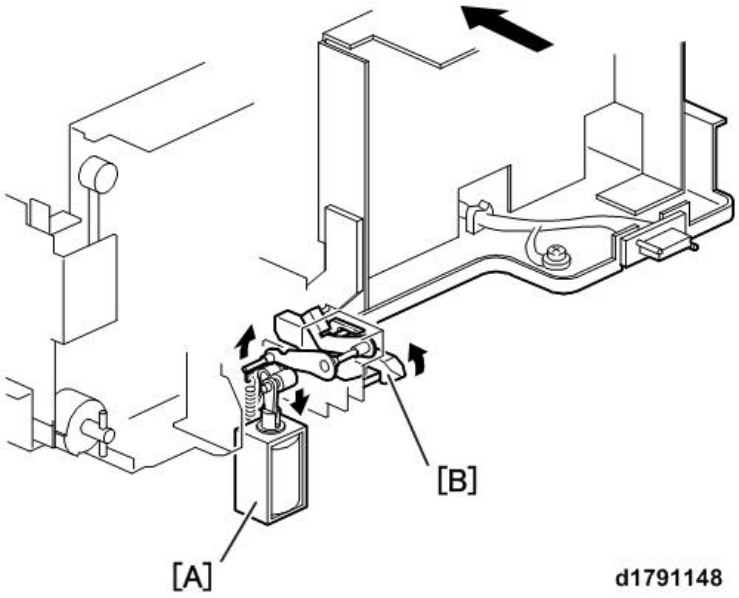
Left Tray Lock



While the rear fence is in motion moving to the right:

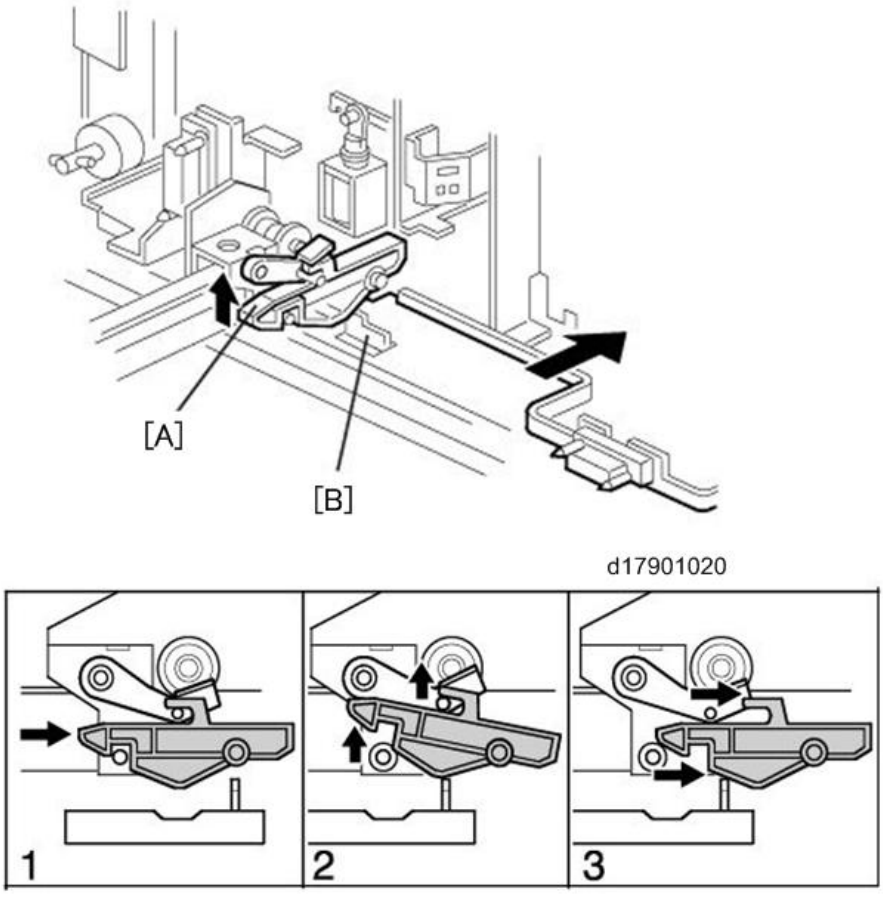
- The left tray lock solenoid [A] is on to lock the tray and prevent the operator from opening the tray.
- When the paper stack starts to move from the left tray, the lock solenoid goes on and moves lever [B] to the lock position to lock the tray.
- After the stack has been moved to the right tray and the rear fence has returned to its home position of the left, the lock solenoid goes off and unlocks the tray.
- This mechanism prevents the tandem tray from being opened while the right tray is being re-supplied with paper.

Right Tray Lock



When lock release solenoid [A] goes on, lock lever [B] opens.

- The lock lever on the left tray catches on the pin of the right tray, so only the left tray is caught and opens.
- With the lock release solenoid off, the tip of the lock lever catches and both trays catch and open together.

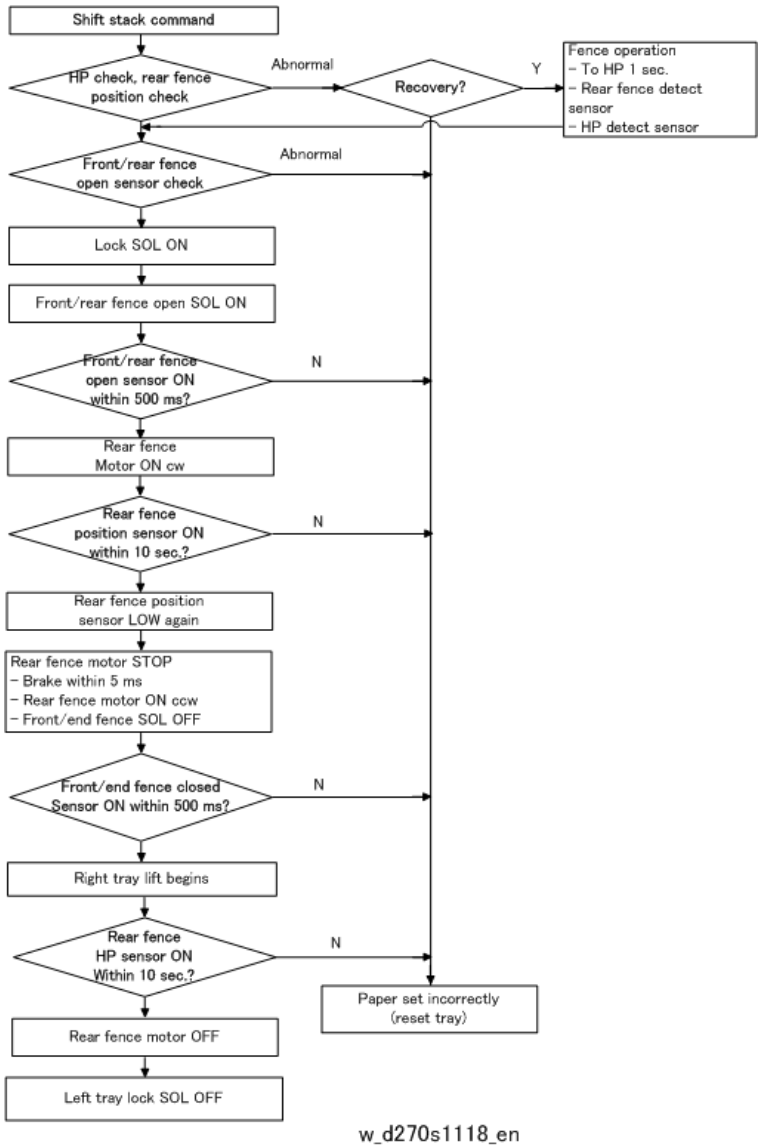


Normally, the left lock tray lock lever [A] catches pin [B] of the right tandem tray.

- If there is no paper in the left tray during printing, the right tray lock solenoid turns on to release the tray lock lever so the left and right trays can be separated.
- This allows the left tray to be pulled out to load more paper while paper is still feeding from the right tray.

Tandem Tray Operation

After the tandem tray is closed and the bottom plate is raised, or when the right tray paper end sensor detects no paper, and there is paper in the left tray, after the bottom plate of the right tray is lowered, the following operation takes place.



Tray Display During Operation

All trays are provided with LEDs. Each LED lights during copying and printing to alert the operator that the paper trays cannot be opened during machine operation.

- LED On Timing
  The LED of the tray selected for paper feed switches on at the start of the job.
- LED Off Timing

The LED goes off once the trailing edge of the last sheet leaves the fusing unit exit sensor. However, the LED does not go off during duplex printing until the last duplex printed sheet has left the fusing exit sensor.

- Paper End During Operation

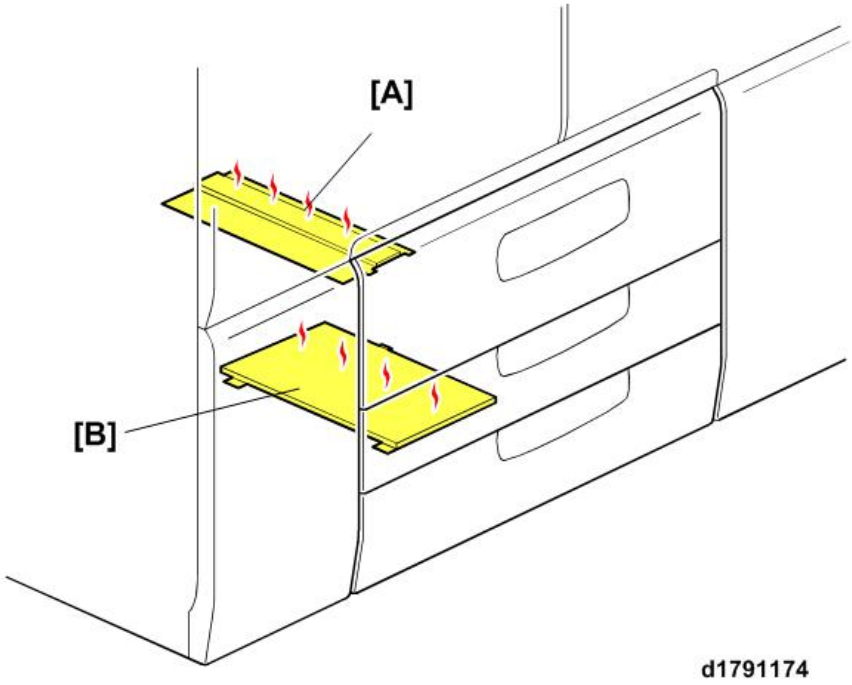
  Tandem Tray. The LED of the right paper tray goes off when the right tray paper end sensor detects no paper. The left tray LED remains on, and then the right tray LED goes on again once paper has been moved from the left tray to the right tray.

  Tray 2, Tray 3. LED goes off at paper end.
- Paper Jam, Other Problem

  LED goes off when a paper jam or other problem occurs (SC codes other than logging SC codes).
- When Tray Is Removed

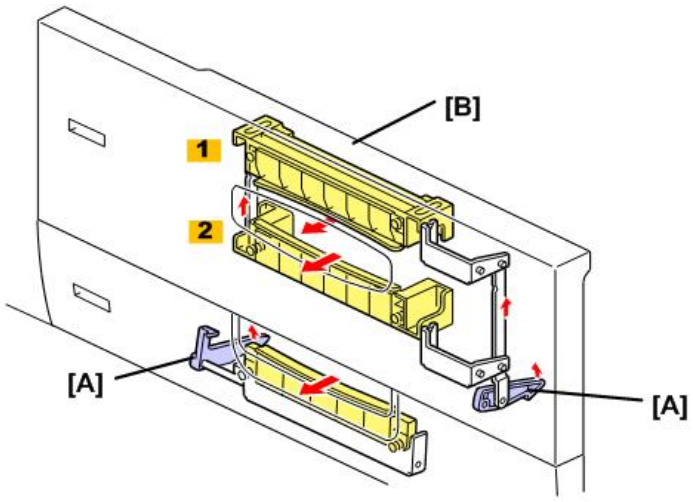
  LED on/off status continues even if tray is removed.

Tray Heaters



There are two anti-condensation heaters available for the paper bank, one below Tray 1 [A] and one below Tray 3 [B]. Depending on how the trays are connected they can be set to remain on 24 hours a day, or they can be set to remain on only when the machine is switched off. For more details, please refer to "Installation". These heaters require installation.

Tray Handle Lock Mechanism



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In order to open Tray 1, 2, or 3, the operator must grip the handle and squeeze to disengage a lock lever [A].

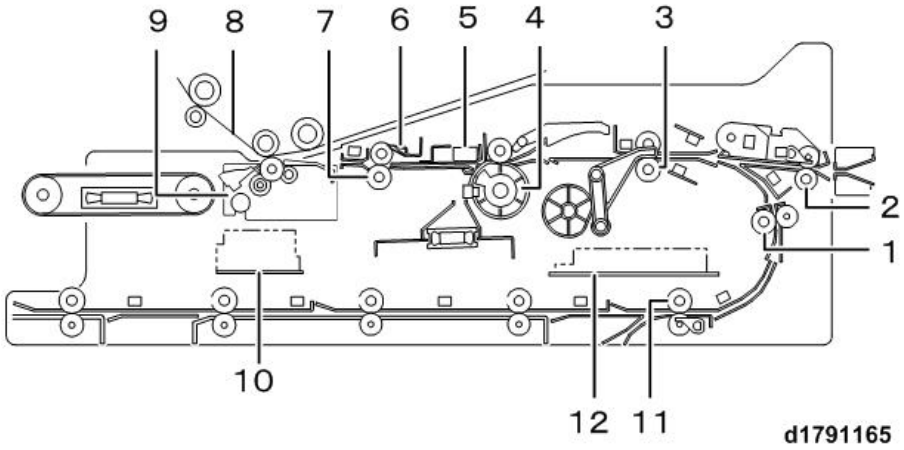
- Tray 1 [B] (the top tray) is provided with two handle releases.
- Squeezing and pulling either handle will it release for opening.

Main Paper Path, Paper Registration

Overview and Mechanism

Overview

The following functions occur in the main machine paper path after paper is fed from the paper bank or the LCT: Skew correction in both main scan and sub scan directions, image-to-paper transfer, and then duplex printing (if selected).



No.	Name	No.	Name
1	Registration Entrance Roller	7	Transfer Timing Roller
2	LCT Relay Roller	8	Image Transfer Belt (ITB)
3	Registration Timing Roller	9	PTR Unit
4	Registration Gate Roller	10	Paper Separation Power Pack
5	CIS	11	Main Relay Roller
6	Paper Dust Tray	12	DRB

Mechanical Configuration

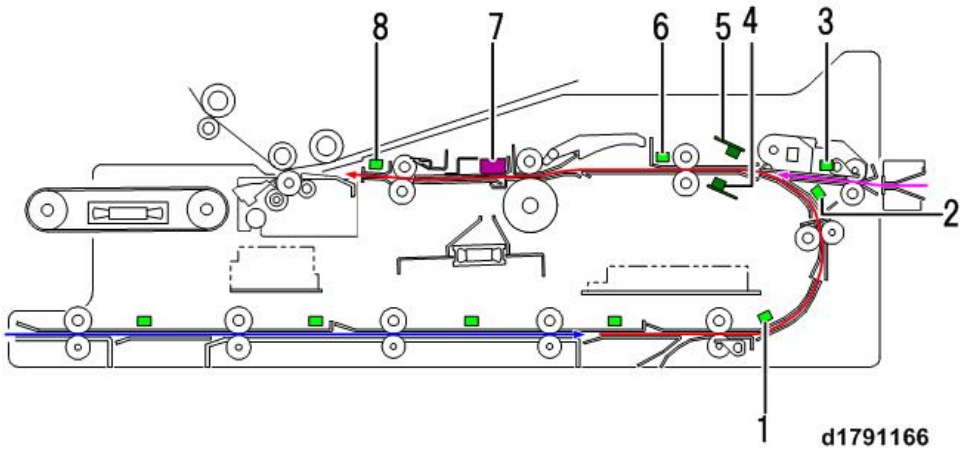
Transport Unit

Double-Feed Detection	Ultrasound sensor method
Roller Release	Open roller nips to free paper for skew correction, paper registration
Skew Correction	Skew correction with registration gate roller
Main Scan Registration	Leading edge registration with the registration gate roller
Sub Scan Registration	Side-to-side registration with the dual shift rollers
Paper Dust Collection	Collection of dust from transfer timing roller with a mylar and into a tray
CIS Cleaning	Cleaning the CIS that reads the edges of sheets in the registration unit

Transport Path, Sensor Layout

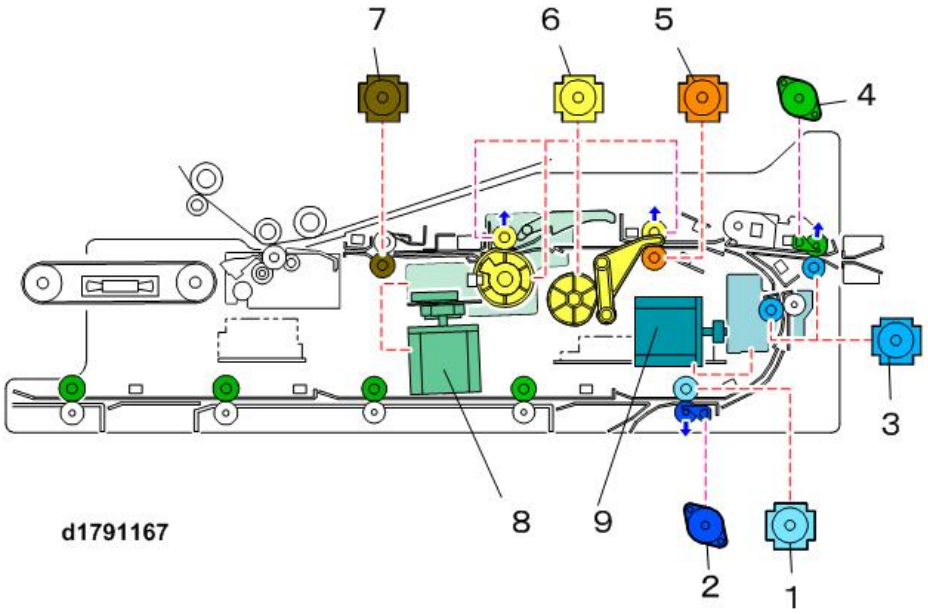
- The paper fed from each paper bank tray is first transported to the vertical feed unit (VTU) and then to the paper registration unit.

- After each sheet is tested for double-feeding, each sheet is corrected for skew, positioned correctly for paper registration in both main scan and sub scan directions, and then is sent to the PTR unit where the image is transferred from drum to paper.
- The two paper feed sources are the three paper trays of the main unit paper bank, or an optional large capacity tray (LCT) unit installed on the right side of the machine.
- During duplex printing, once the paper leaves the fusing unit (after the first side is printed) the paper is sent down into the inverter path and then reverse fed back across the machine to the junction of the VTU and then sent once more through the paper registration unit above.



No.	Name	Content
1	Main Relay Sensor	Monitors movement of paper to check for paper jams.
2	Registration Entrance Sensor	Monitors movement of paper to check for paper jams.
3	LCT Relay Sensor	Monitors movement of paper to check for paper jams.
4	Double-feed Sensor (Emitter)	Mounted below the double-feed sensor (receptor), the paper passes through the gap between these two sensors for the double-feed check.
5	Double-feed Sensor (Receptor)	Mounted above the double-feed sensor (emitter), the paper passes through the gap between these two sensors for the double-feed check.
6	Registration Timing Sensor	Determines the timing of the rotation of the registration gate roller to stop paper in the paper path, also checks for paper jams.
7	CIS	Checks paper position in the path to determine the amount of correction needed.
8	Transfer Timing Sensor	Monitors paper movement for jam detection and controls the timing of paper release to the PTR unit.

Drive Layout

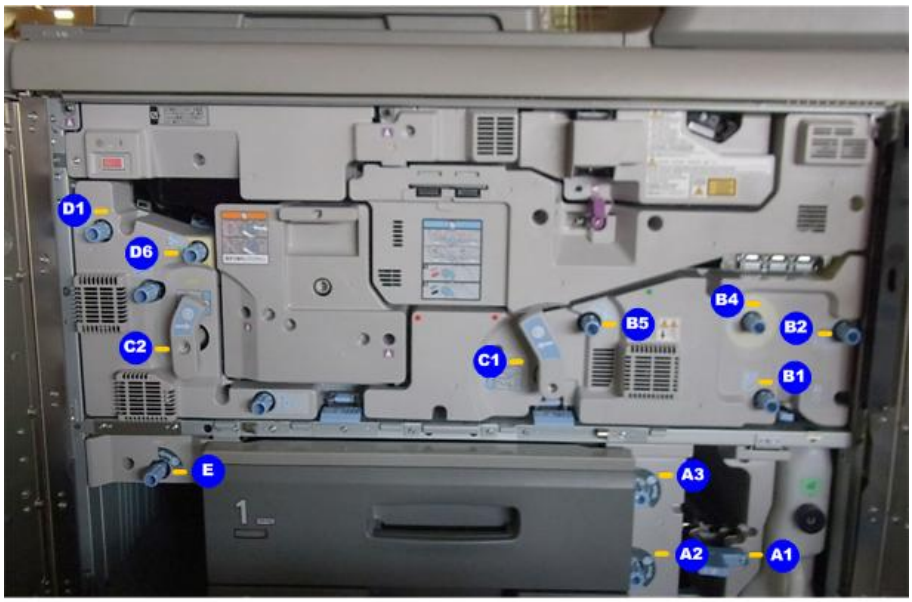


No.	Name	No.	Name
1	Bank Exit Motor	6	Registration Gate Motor
2	Main Relay Separation Motor	7	Transfer Timing Motor
3	Registration Entrance Motor	8	Registration Shift Motor (LE)
4	LCT Relay Separation Motor	9	Registration Shift Motor (TE)
5	Registration Timing Motor		

Details

New Paper Jam LEDs

Twelve new Jam LEDs are provided on the left and right drawer covers. An LED lights if a jam occurs at its location. This makes it much easier to locate and remove sheets that jam in the paper path by manually rotating the jam removal knobs.



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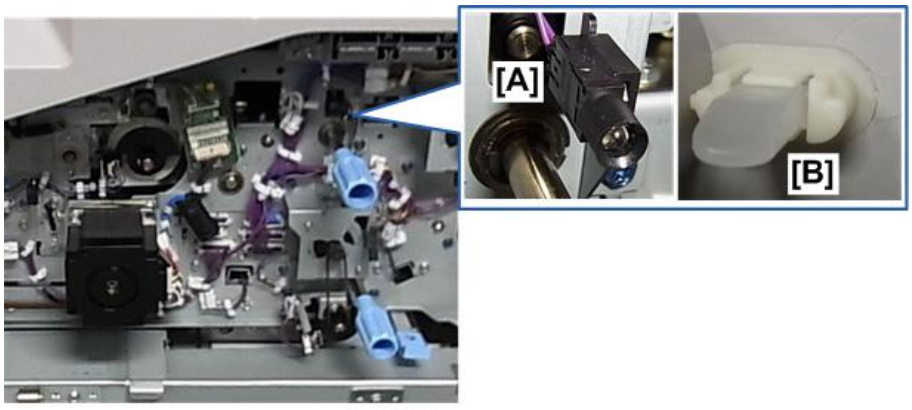
Important

At the present time (Oct. 2016) LEDs A1, B1, B2 and D1 in the table below are not functional. Their function will be enabled in the near future.

No.	Cover	LED
1	Exit unit	C2, **D1**, D6
2	Purge tray	E
3	Registration unit	**B1**, **B2**, B4, B5, C1
4	Vertical transport unit	**A1**, A2, A3

Each LED [A] is mounted on a peg opposite to a projection lens [B] mounted on the cover. When a jam occurs at its location, the LED lights and the light is magnified by the lens.



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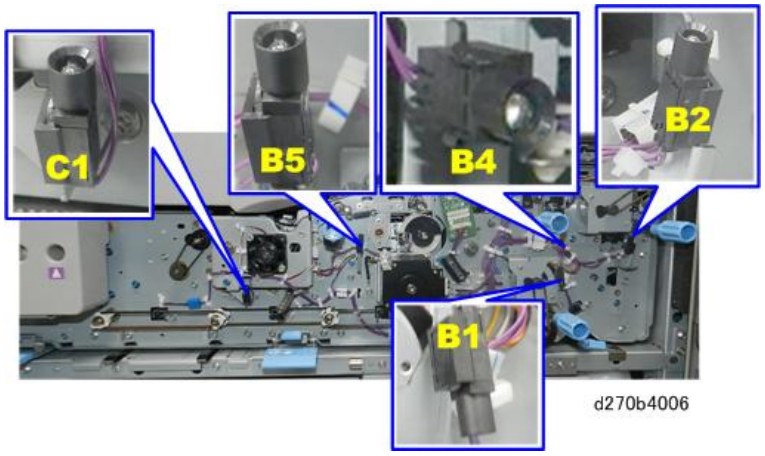
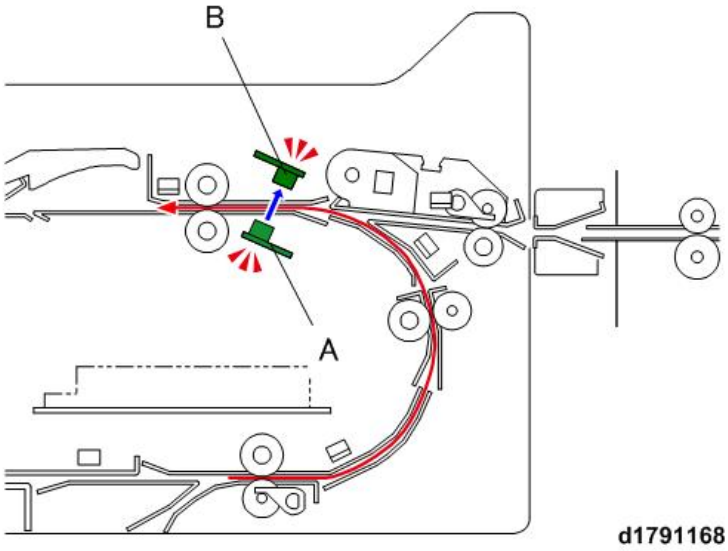
Each LED is mounted on a metal post on the front of the drawer unit. The LEDs are not connected to the front covers of the drawer unit, so their harnesses do not interfere with removal of the covers.

7.Detailed Description

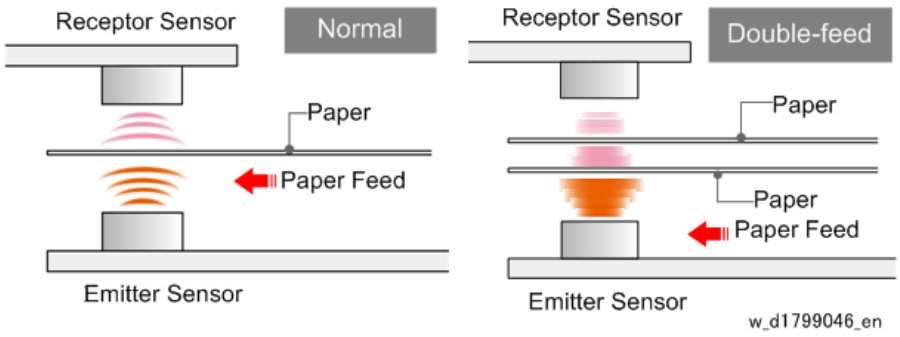


Double-feed Detection



A pair of ultra-sound sensors are mounted in the paper registration unit, one below (emitter) [A] and one above (receiver) [B] the paper feed path.

When the paper passes through the gap between the sensors, the signal between them detects the original with sound waves and converts the reading to voltage, and if the output level is determined to exceed threshold for the type of original being fed, paper feed stops.



- When the paper passes between the sensors, an ultra-sound wave from the emitter sensor below passes

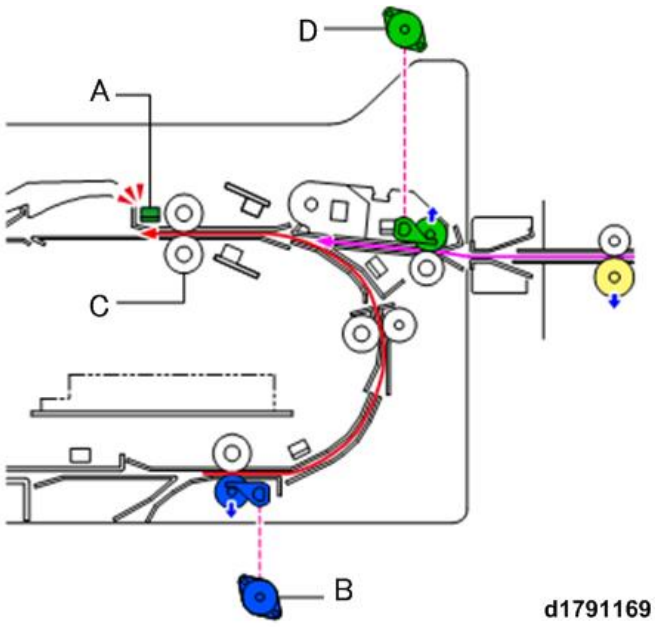
through the paper to the receiver above.

- The receiver converts the signal generated by the vibration of the signal against the paper to an electrical pulse and checks its level.
- If a double feed occurs, the space between the sheets will generate a lower signal. When the emitter detects this lower signal (lower than that of a single sheet) it causes the machine to issue Jam Code J099 (double-feed detected) and the paper is fed to the purged paper tray.

Double-feed Related SP Code

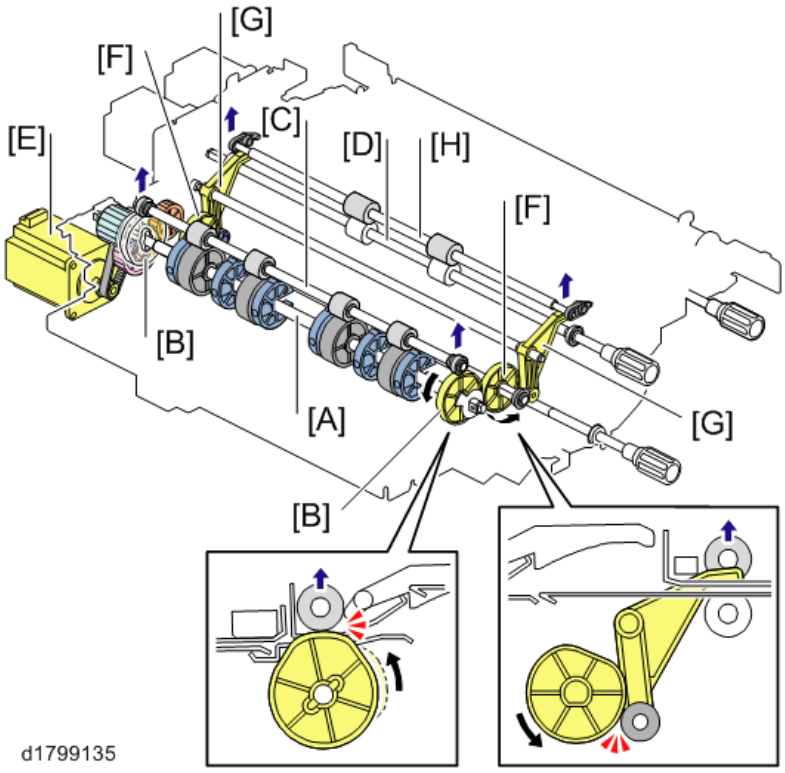
SP No.	Name	Range/Settings
SP1302-001 to 012	Double Feed Detect Trays 1 to T4	[0 to 1/1/1] 1: On 0: Off
SP1303-001	Dbl-Feed Detect After Dbl-Feed Detect	[0 to 2/1/1] 0: Jam alarm 1: Purge tray 2: Proof tray

Roller Release



Main Machine Relay Roller and LCT Relay Roller

When a sheet of paper is fed from one of the main machine paper trays, or when a sheet is fed on its second pass for printing on the second side during duplex printing, the registration timing sensor [A] detects the leading edge of the sheet. This signals the main relay separation motor [B] to turn on and open the nip between the relay drive and idle rollers. When a sheet of paper is fed from the LCT (option) on the right side of the machine, the registration timing sensor [A] detects the leading edge of the sheet and signals the LCT relay motor [D] to open the nip of the LCT relay rollers. In both cases the paper is released in front of the registration timing roller [C] so it is free to move for image registration in the main scan direction.



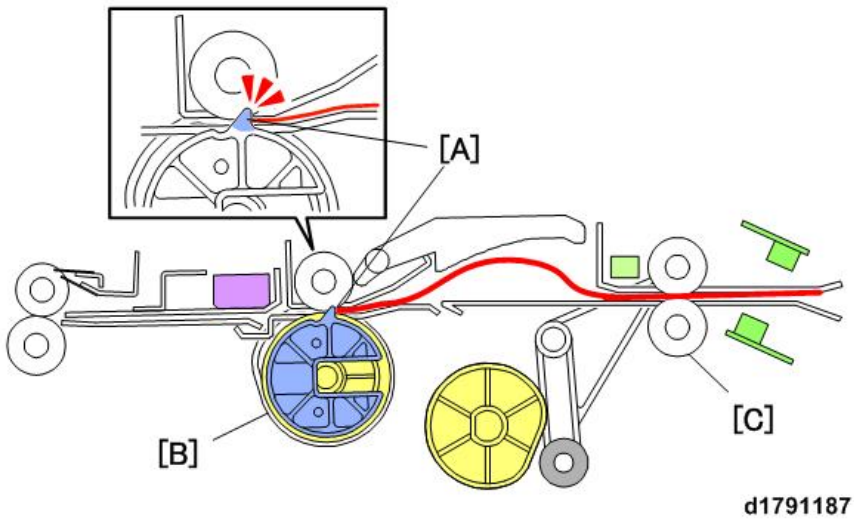
Registration Gate Roller and Registration Timing Roller

The rotation and release of the registration gate roller, rotation of the registration timing roller, and release of the registration timing drive roller, are all controlled by the rotary gate motor [E].

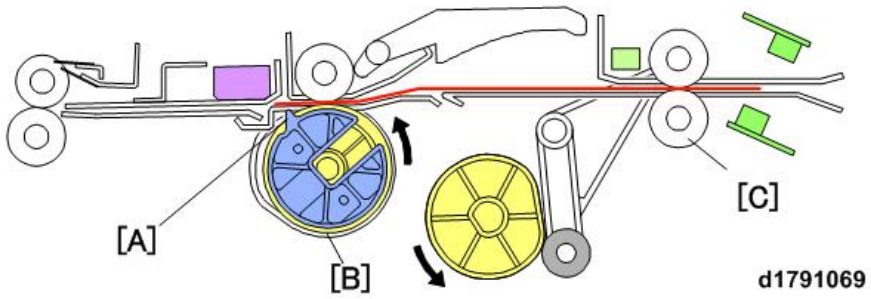
The raising and lowering of the registration gate roller [A] is driven by a cam [B] attached to the shaft drive roller [C].

The raising and lowering of the registration timing roller [D] is controlled by three gears driven by the rotary gate motor [E] that rotate cam [F]. The lever [G] attached to the cam raises drive roller [H] to separate it

Skew Correction

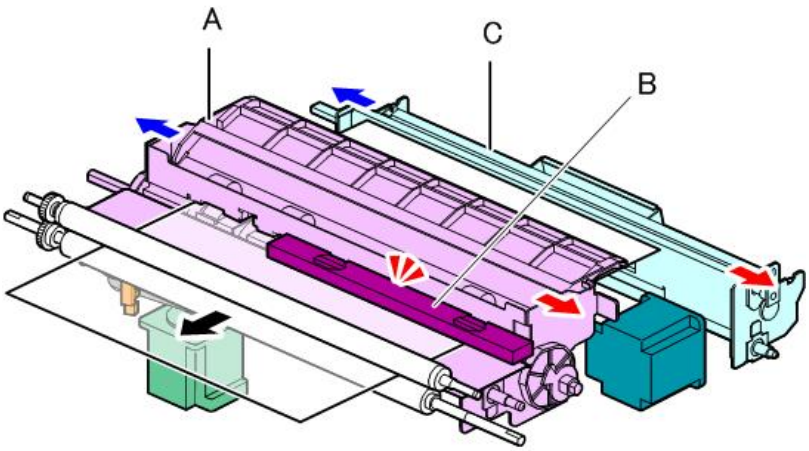


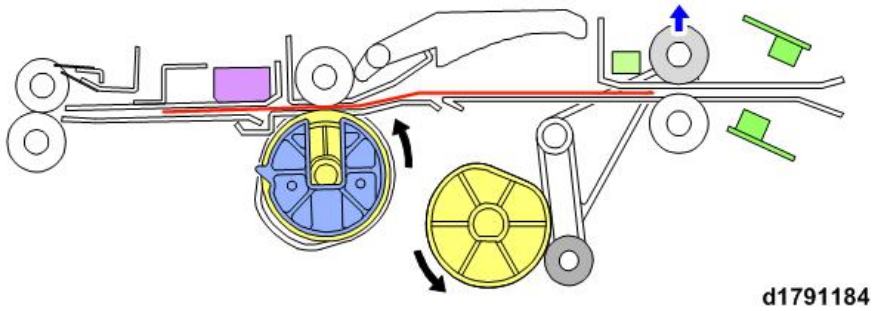
The leading edge of the paper fed by the registration timing roller [C] strikes the raised gate [A] of the registration gate roller [B]. This buckles the paper slightly and aligns its leading edge with the gate and corrects any skew.



After skew correction the registration gate roller rotates, grips the paper, and then feeds it to the leading edge shift unit.

Main Scan Registration (Image Vertical)



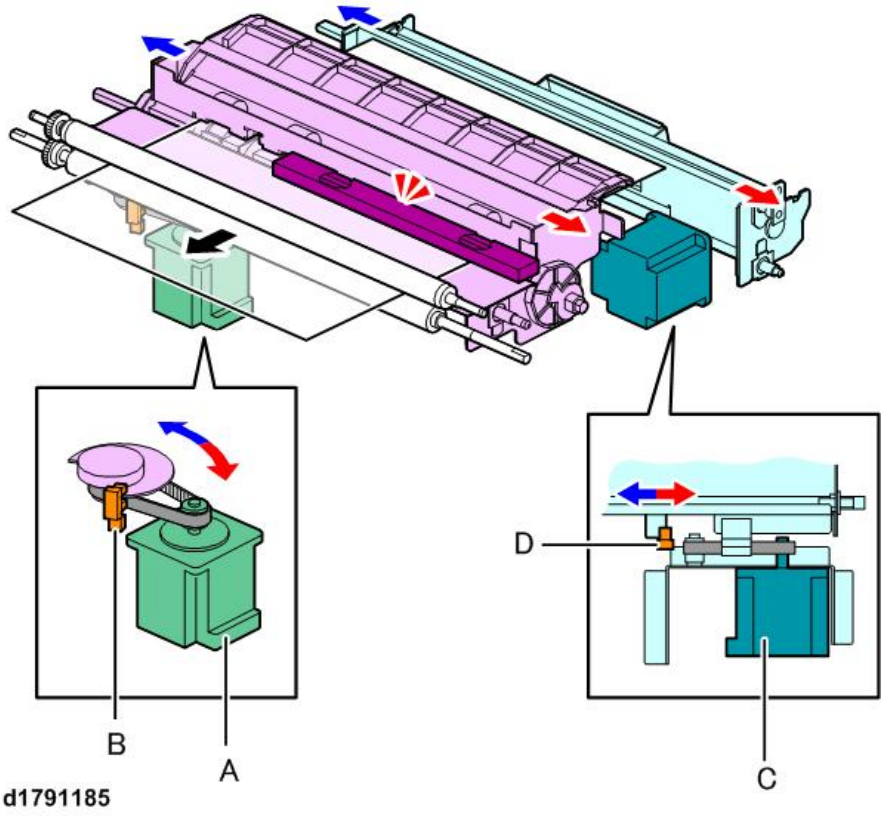


The paper that has been corrected for skew is fed to the LE (leading edge) shift unit [A] for image registration in the main scan direction.

The LE shift unit is equipped with a CIS (Contact Image Sensor) [B] that detects the position of the edge of the paper. The reading of the paper edge by the CIS is used to calculate the amount of deviation from the correct position, and then the amount of movement by the LE shift unit required to correct the position of the paper is calculated. The LE shift unit moves slightly to the front or rear so the image will be positioned correctly on the paper.

At this time the paper is held only by the LE shift unit. The paper is still free because the nip of the registration timing roller is open.

If paper longer than A4 SEF (297 mm) has been fed, the TE (trailing edge) shift unit [C] moves with the LE shift unit to correct paper registration in the main scan direction.



The LE registration shift motor [A] moves the LE shift unit to the front and rear. The LE shift unit HP sensor [B] determines the home position of the LE shift unit where the shift unit resides while it is idle.

The TE registration shift motor [C] moves the TE shift unit to the front and rear. The TE shift unit HP sensor [D] determines the home position of the TE shift unit where the shift unit resides while it is idle.

Related SP Codes

These SP codes are related to paper registration.

SP1-917-001 to 012 - Side-to-Side Registration – Disable Tray 1 to T4, Duplex Unit 1 to 4

[0 to 2/0/1]

0: Enable – Image shift operates (not disabled)

1: Disable – No image shift operation

2: Disable only for jam detection

SP1-957-001 to 100 - Side-to-Side Registration – Custom Paper

[0 to 2/0/1]

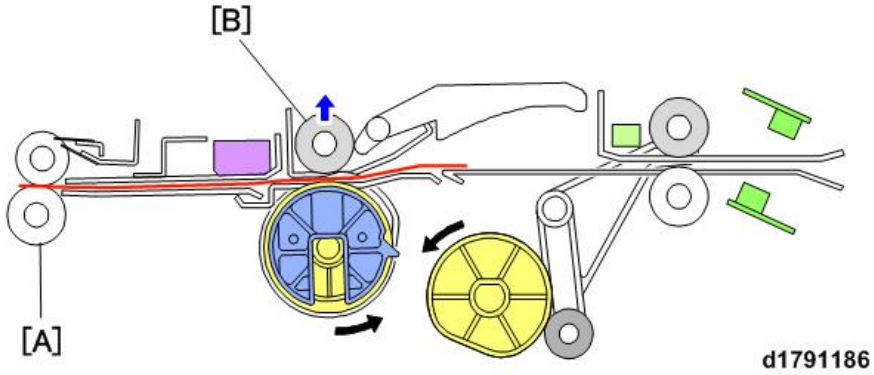
0: Enable – Image shift operates (not disabled)

1: Disable – No image shift operation

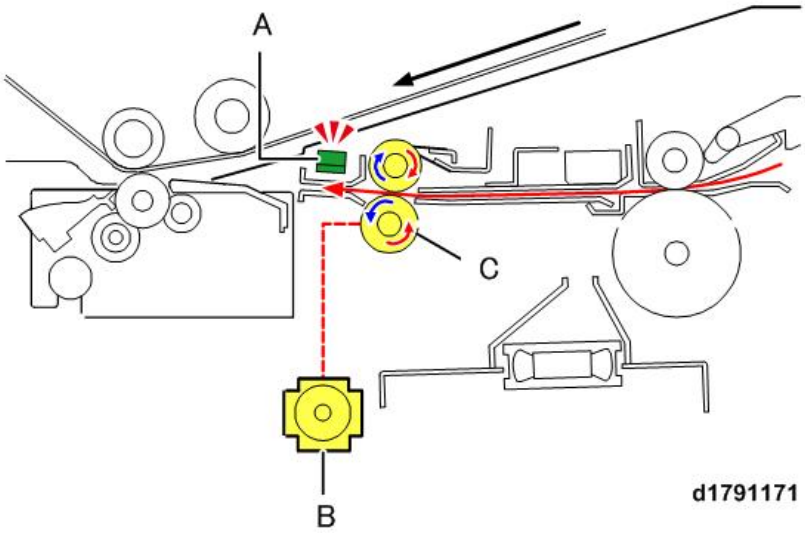
2: Disable only for jam detection

Note: The SP1-917 settings take priority over the SP1-957 settings

Sub Scan Registration (Image Horizontal)

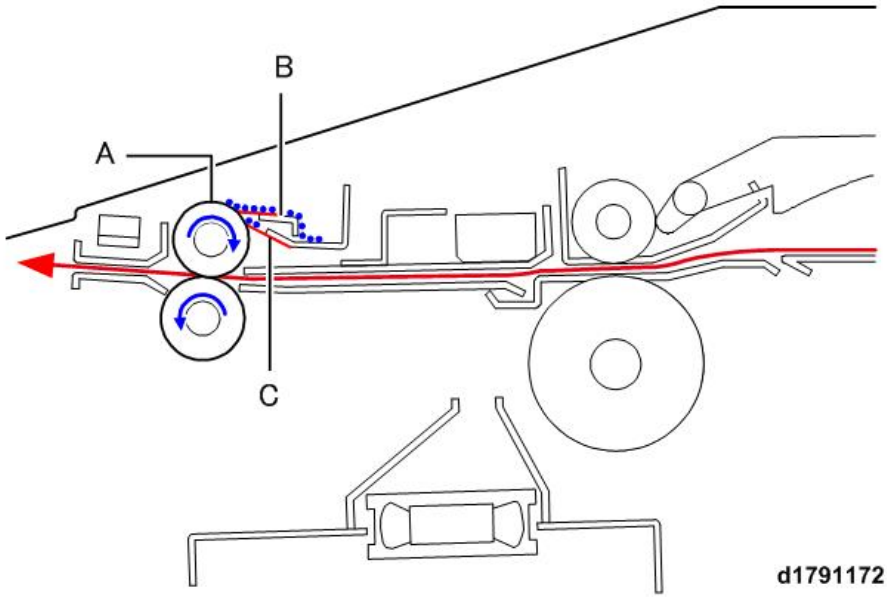


After image correction in the main scan direction by the shift units, the paper is fed to the transfer timing roller [A]. The nip of the registration gate roller [B] opens to free the paper.



The transfer timing sensor [A] detects the leading edge of the sheet to start the sub scan registration.
In order to adjust feed of the leading edge so it aligns correctly with the start of image transfer, after the transfer timing sensor goes ON, machine will calculate the amount of time to start paper feed so the image will be positioned correctly on the sheet in the sub scan direction. Based on the results of these calculations, the speed of the transfer timing motor [B] is increased or decreased to adjust the rotation speed of the transfer timing rollers [C] for the ideal timing to feed the paper to the PTR unit.

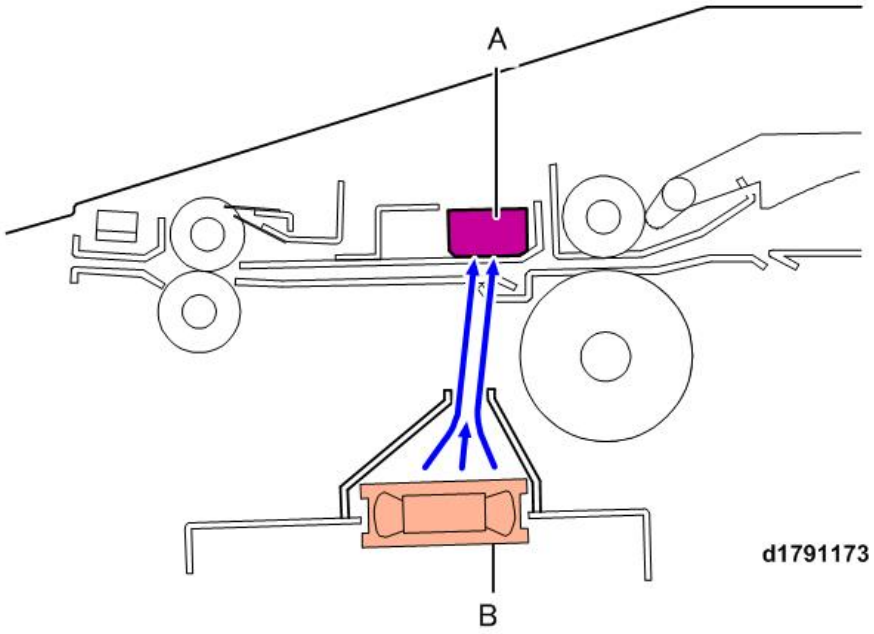
Paper Dust Collection



A mechanism is provided to collect paper dust from the transfer timing idle roller [A].

- Two mylar scrapers are used on the surface of the idle roller.
- Scraper [A] cleans the surface of the idle roller.
- Scraper [B] picks up and removes any paper dust missed by the first scraper.
- The paper dust scraped away from the roller falls down into a tray.
- The tray can be easily removed and emptied.

CIS Cleaning



The CIS [A] is mounted above the paper path, so it can collect paper dust and other matter.

- In order to prevent paper dust from collecting, the bottom of the CIS is cleaned by the CIS cleaning fan [B] to keep it clear of dust.

- The cleaning fan blows air over the CIS to prevent dust from falling on the surface of the paper where the image will be written onto the paper.

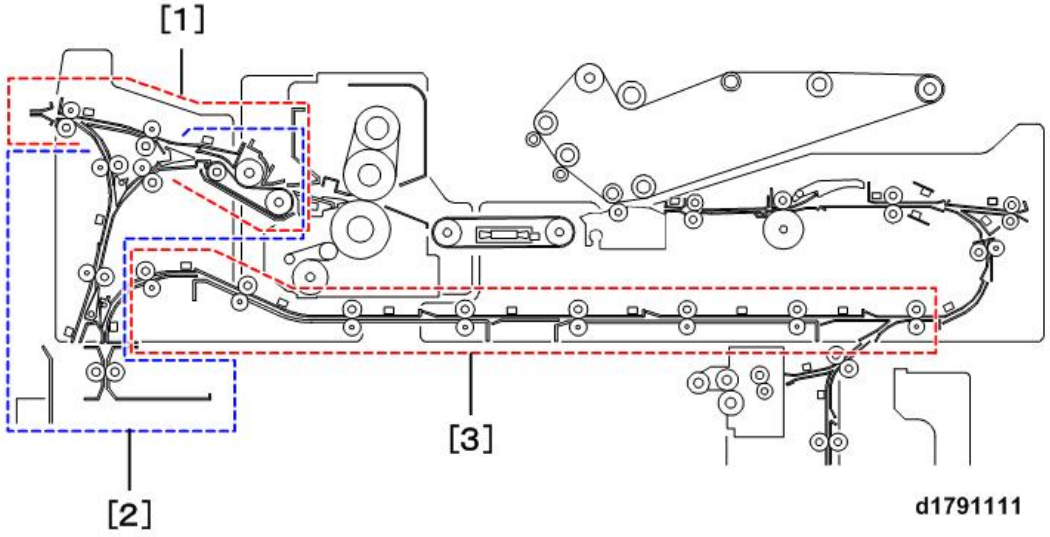
Paper Invert, Exit, Duplex

Overview and Mechanism

Overview

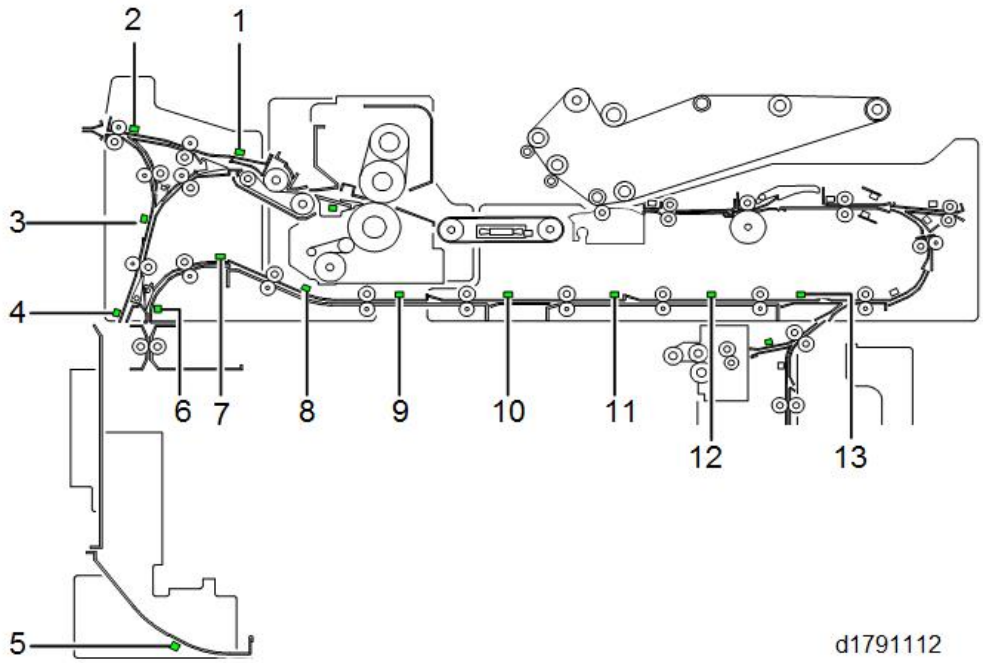
The following mechanisms comprise the invert, exit, and duplex section.

- PTB unit that transports the paper from the PTR unit to fusing unit
- Invert/exit mechanisms
- Duplex transport path



No.	Name
1	Straight-through Exit Unit
2	Invert/Exit Unit
3	Duplex Exit Unit

Layout



No.	Name	No.	Name
1	Exit JG Sensor	8	Duplex Transport Sensor 2
2	Exit Sensor	9	Duplex Transport Sensor 3
3	Exit/Invert Sensor	10	Duplex Transport Sensor 4
4	Purge Relay Sensor	11	Duplex Transport Sensor 5
5	Purged Paper Sensor	12	Duplex Transport Sensor 6
6	Duplex Invert Sensor	13	Duplex Exit Sensor
7	Duplex Transport Sensor 1		

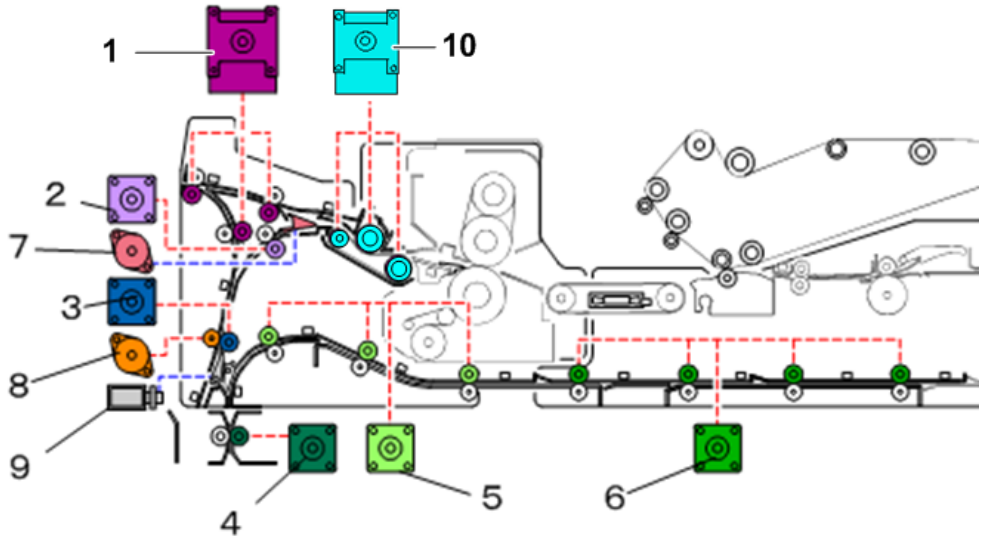
Details

Invert, Exit, Duplex Section

Invert Exit	Two paper paths: invert/exit, straight-through exit
• Drive	Exit motor, invert entrance motor, exit/invert motor, main relay release motor
• Paper Cooling	Heat pipe
• Ventilation	Paper cooling with heat pipe
• Straight-through and exit	Exit roller path with exit junction gate open
• Invert/exit (face-down delivery)	Invert paper path with exit motor, exit/invert motor
Paper Purge	Purging paper in main machine paper path when a jam occurs downstream
Duplex	
• Drive	Duplex/invert motor, duplex transport motor 1, 2

• Duplexing	Switchback system
Interleave	Interleave control system (5-sheet interleave with LT LEF and smaller paper sizes)

Drive



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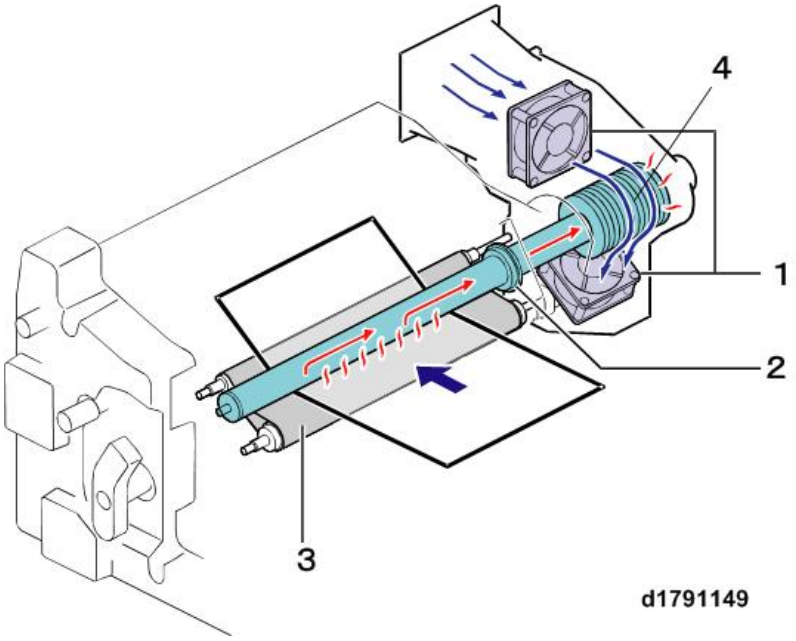
No.	Name	No.	Name
1	Exit Motor	6	Duplex Transport Motor 2
2	Invert Entrance Motor	7	Exit JG Motor
3	Exit/Invert Motor	8	Exit/Invert Separation Motor
4	Duplex/Invert Motor	9	Invert JG Solenoid
5	Duplex Transport Motor 1	10	Heat Pipe Motor

Paper Cooling



No.	Name
1	Cooling Fan
2	Heat Pipe
3	Paper Transport Belt
4	Heat Sink Fins

A heat pipe cools the fused paper immediately after it exits the fusing unit.

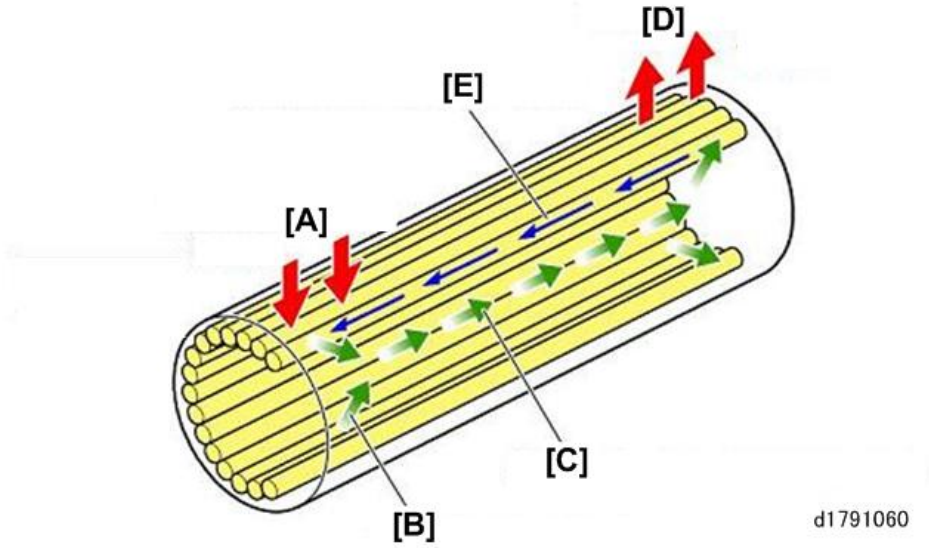
Layered fins on the end of the heat pipe form a baffle exposed to air blown through them to dissipate heat absorbed from the paper.

- The paper on the paper transport belt (3) passes under the heat pipe (2).
- The heat pipe has an intricate system of small capillary tubes filled with water running along the inside of the paper cooling pipe.
- The hot paper leaving the fusing unit heats the parts of the cooling pipe that it touches. This heats the water inside the tubes.
- The principle of heat transference moves the heated water to toward the cooler rear end of the cooling pipe where where a heat sink with fins (4) is attached.
- The fins of the baffle conduct heat away from the water in the pipe. Air moving around the fins dissipates the heat into the air.
- Paper cooling fans (1) in the duct dissipate the heat around the fins.

Heat Pipe

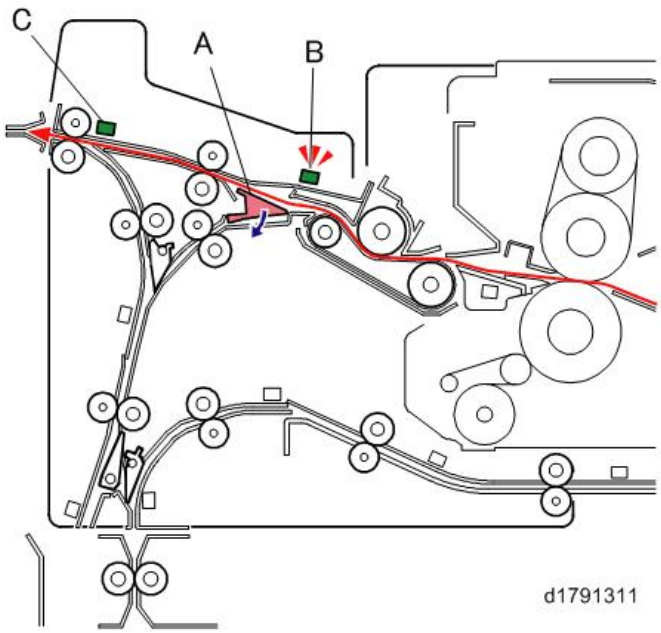
The heat pipe is a metal pipe constructed of a lattice of sealed capillary tubes that contain a very small amount of water. When one end of the pipe is heated, the coolant moves to the cooler end of the pipe where the liquid cools and condenses. The condensation is pushed pack to the heated end of the pipe by the super heated water behind it. This cycle from heating > evaporation > condensation and re-heating sets up a convection current from the front

end of the pipe to the rear.



[A]	The end of the pipe where hot paper touches it brings water to boil.
[B]	Because the small amount of water is sealed in vacuum, the boiling point is very low.
[C]	Due to the small difference in pressure caused by the heat at the front, the coolant flows from the front to the rear.
[D]	The coolant condenses and heat the is lost through the surface of the pipe and into the fins at the back.
[E]	The coolant is pushed from rear to front by the super heated water and steam behind it and the cycle repeats.

Straight-Through Output



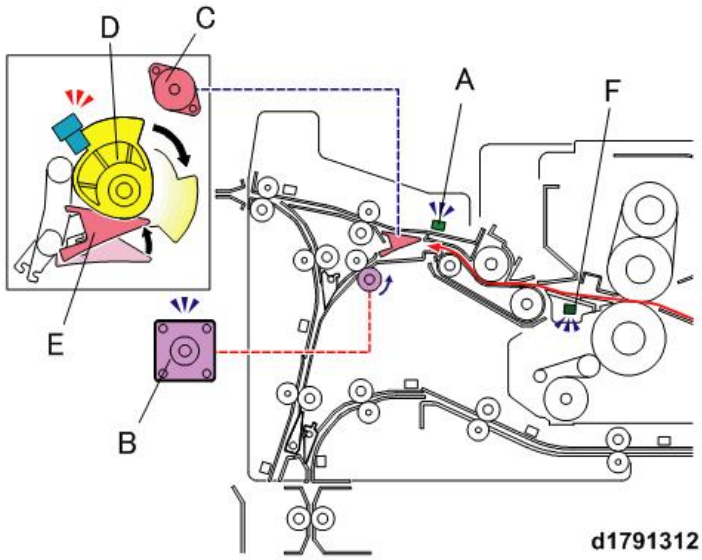
No.	Name
A	Exit Junction Gate
B	Exit JG Sensor

No.	Name
C	Exit Sensor

In straight-through output the paper leaves the fusing unit and then passes below the heat pipe.

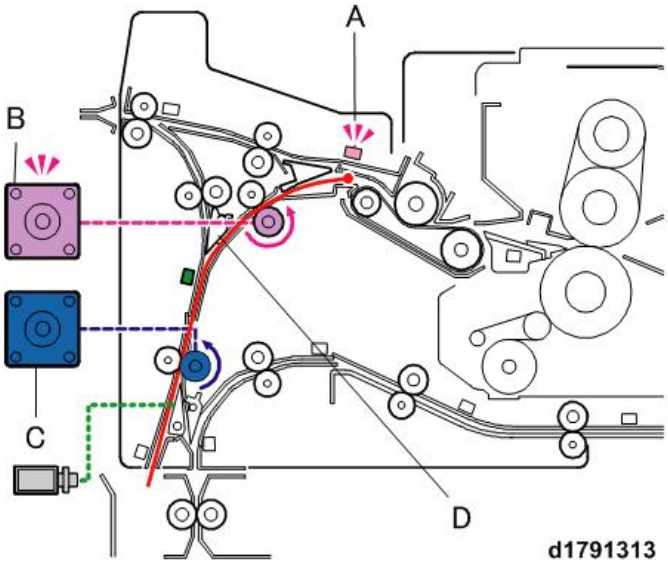
- When the exit/invert motor goes on, a cam depresses the pawl of the exit junction gate [A] and the paper passes through to the exit roller.
- The exit JG sensor [B] in the exit path detects the arrival and passing of the paper.
- The exit sensor [C] detects the leading edge and trailing edge of the paper as it exits the machine.

Invert/Exit (Face-down Delivery)

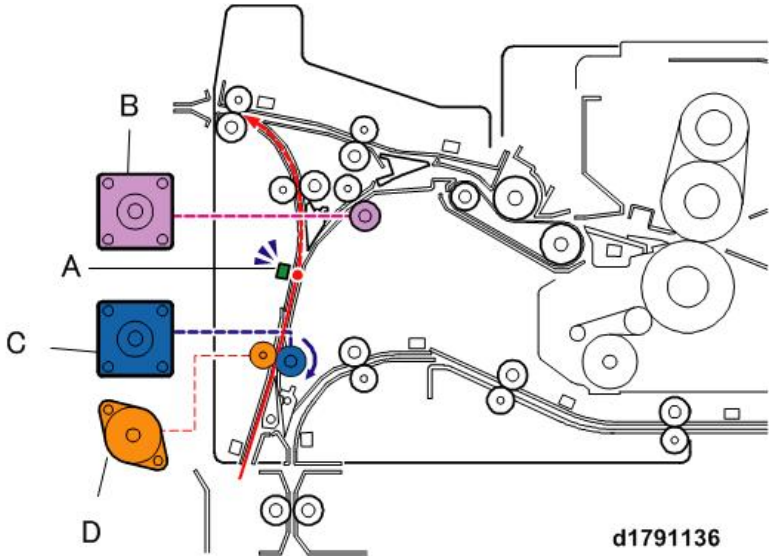


In invert/exit mode for face-down delivery:

- After the paper passes under the heat pipe, the exit junction guides the paper to the invert/exit path.
- When the leading edge of the paper passes the exit junction gate sensor [F], the exit junction gate motor [C] rotates cam [D] which opens exit junction gate [E] and opens the invert path
- When the exit JG sensor [A] detects the leading edge of the paper, the invert entrance motor [B] turns on and feeds the paper down into the inverter unit.



When the exit JG sensor [A] detects the trailing edge of the paper, the invert entrance motor [B] and exit invert motor [C] speed up slightly. The junction gate [D] normally closes the path but paper can move past it.

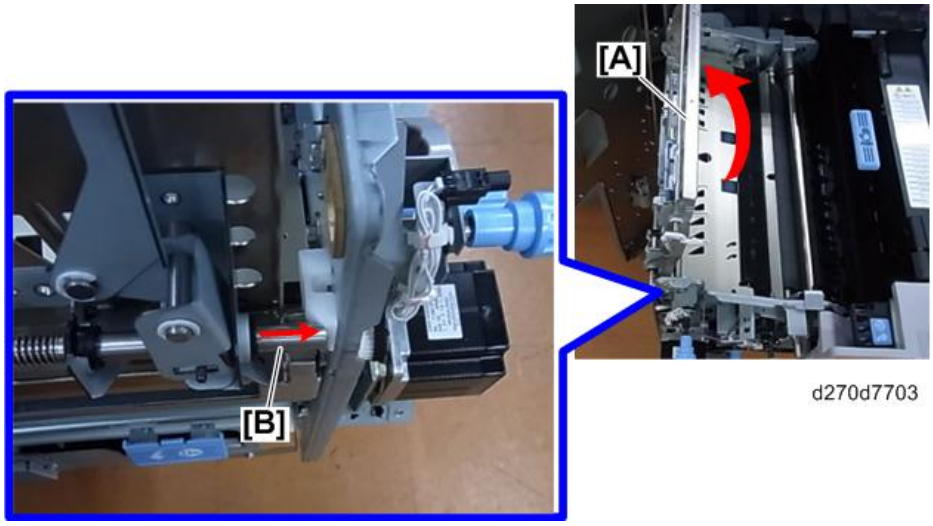


When the exit/invert separation sensor [A] detects the trailing edge of the paper:

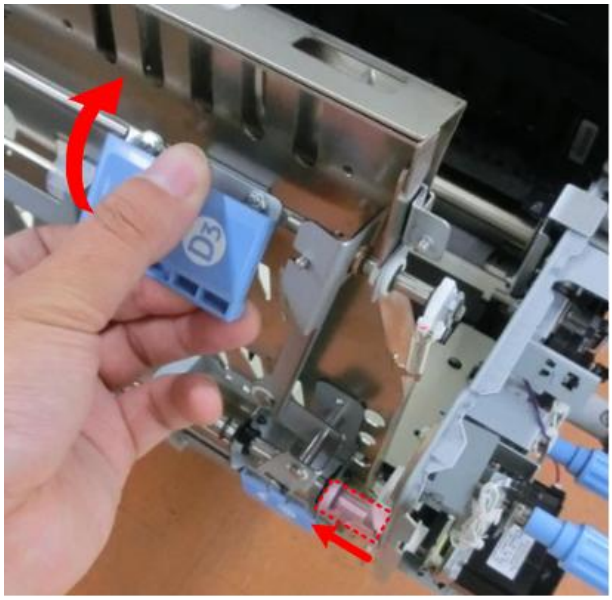
- The invert entrance motor [B] stops
- The exit/invert motor [C] reverses, and then feeds the paper to the exit above.
- After the paper passes the invert/exit roller, the exit/invert separation motor [D] turns on and separates the exit/invert rollers so the sheet can feed to the exit and allows the next sheet to enter the invert unit.

Exit Guide Plate Lock Mechanism

The machine is provided with a new lock mechanism that prevents the exit guide plate from striking the front door when the plate is opened to remove a jammed sheet of paper. When the exit guide [A] is opened, this extends lock pin [B] which locks the plate in place.



Raising lever [D3] to close the plate releases the lock.



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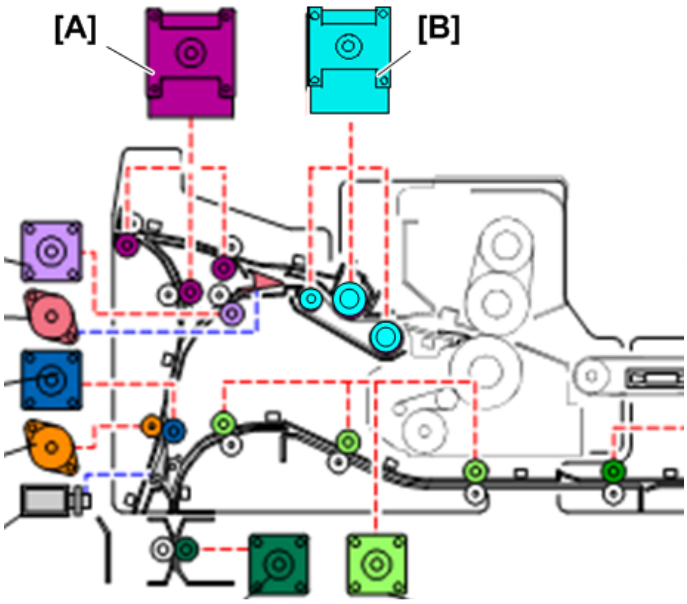
Paper Purge

When a paper jam occurs downstream of the main machine, all the paper in the paper path of the main machine is immediately shunted into the purge unit. In the previous machine, paper exit was driven by only exit motor [A]. This machine, however, is equipped with the heat pipe motor [B] which also feeds paper to the exit. This additional motor ensures that paper will feed into the purge tray even if a downstream jam causes paper to jam in the exit and stop the exit motor.



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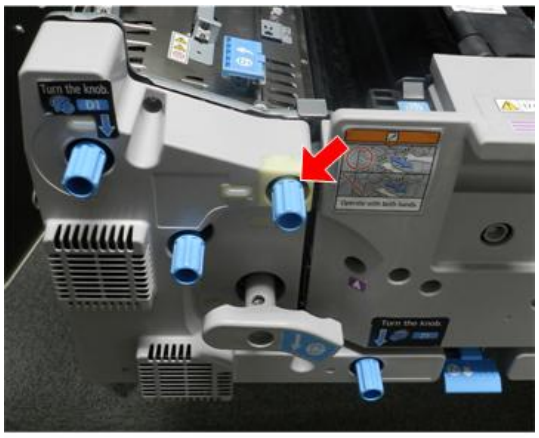
A knob can be rotated manually from the front to make paper jam removal easier. This knob is new. At least two full turns are required to remove long paper that has jammed in the paper path.

7.Detailed Description



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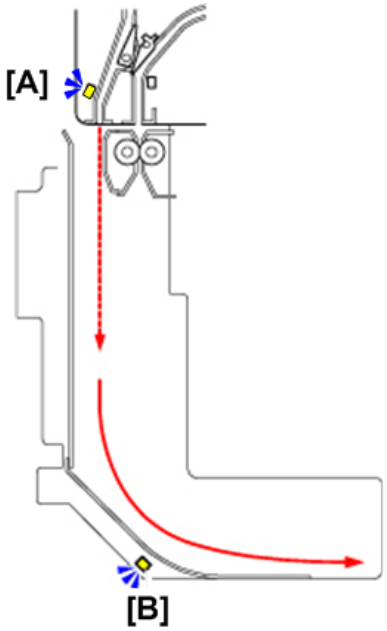
Purge relay sensor [A] detects the leading and trailing edge of each sheet that enters the purge unit. Purged paper sensor [B] detects when there is paper in the purge unit.



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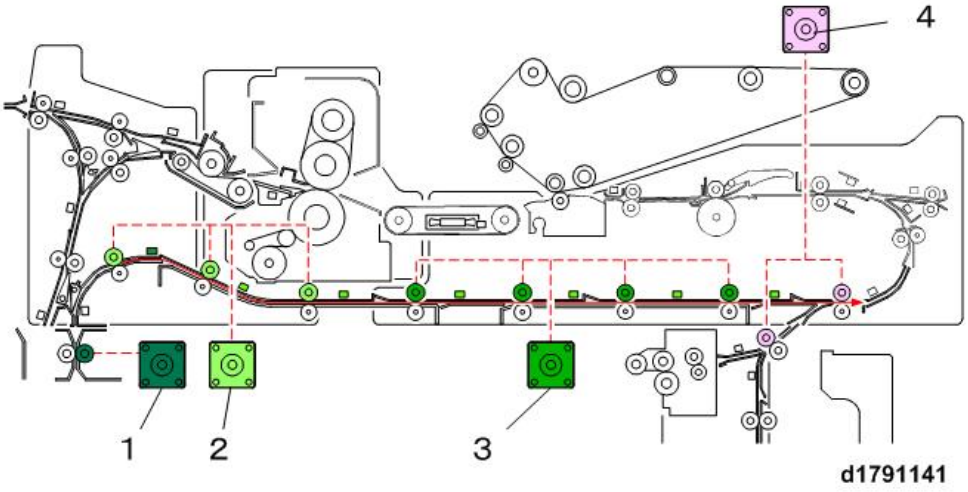
Duplex Drive



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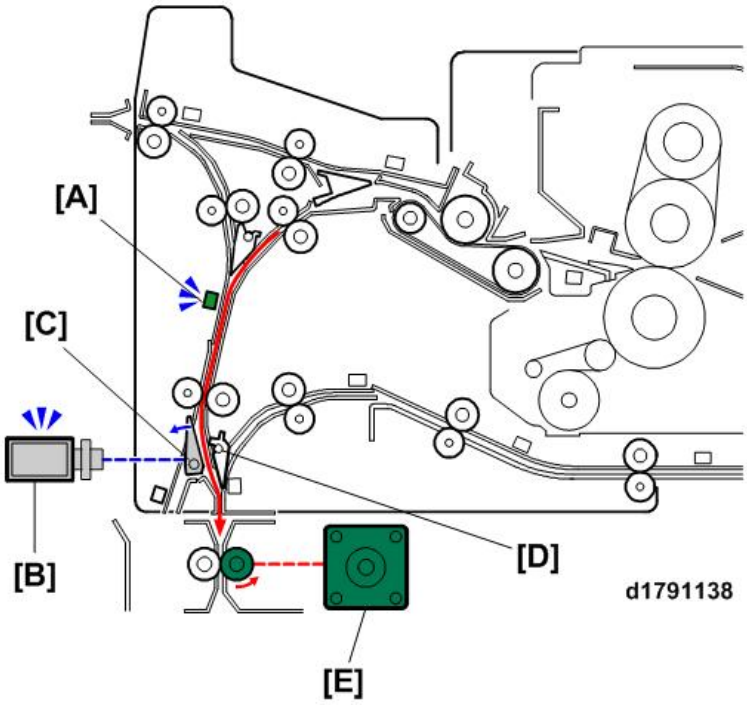
No.	Name
1	Duplex/Invert Motor
2	Duplex Transport Motor 1
3	Duplex Transport Motor 2
4	Bank Exit Motor (in VTU)

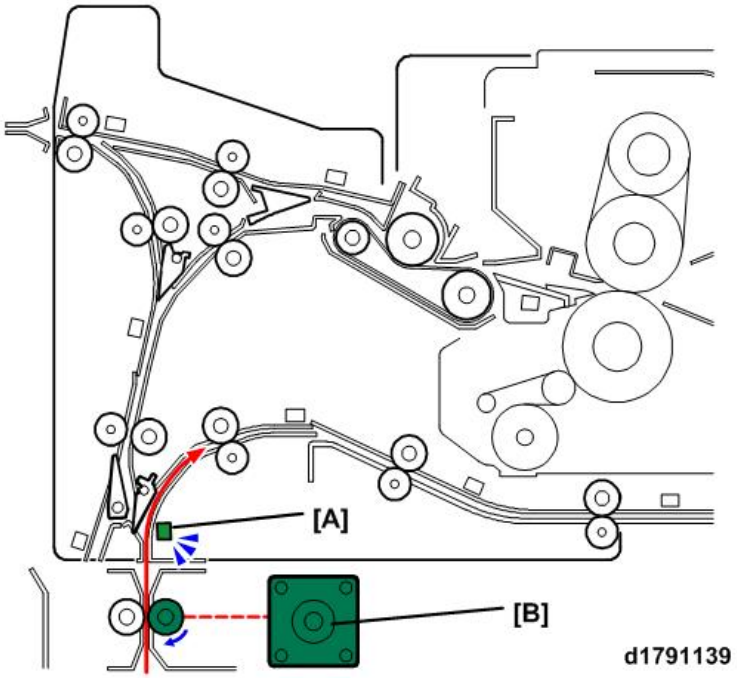
Duplex Transport



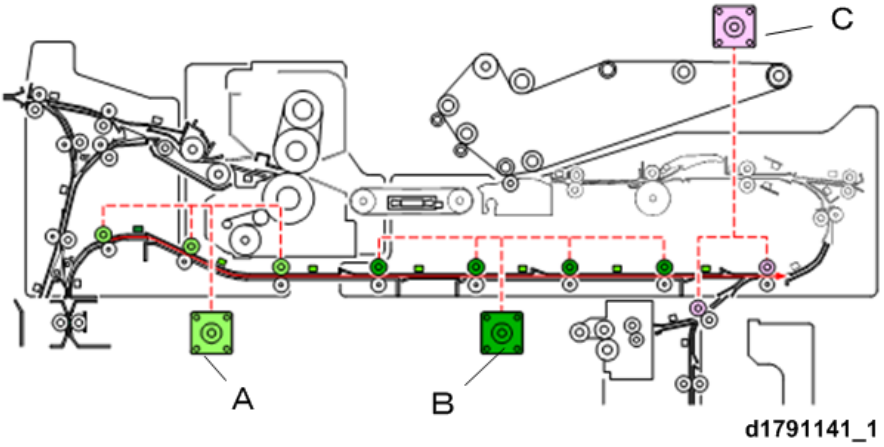
When the duplex/invert sensor [A] detects the trailing edge of the paper:

- The invert JG solenoid [B] goes on.
- The invert junction gate [C] opens.
- The paper brushes past transfer junction gate [D].
- The duplex invert motor [E] feeds the paper down.

7.Detailed Description



When the duplex invert sensor [A] detects the trailing edge of the paper, the duplex inverter motor [B] reverses and feeds the paper up past the open junction gate above. This is the "switchback" operation.
The duplex transport motor 1 [A] and duplex transport motor 2 [B] drive the seven duplex transport rollers that take the sheet that has just entered the duplex unit and feed it to the relay rollers. The sheet passes up into the main paper transport path of the machine for printing on the second side. The relay rollers are driven by the bank exit motor [C].



Interleave

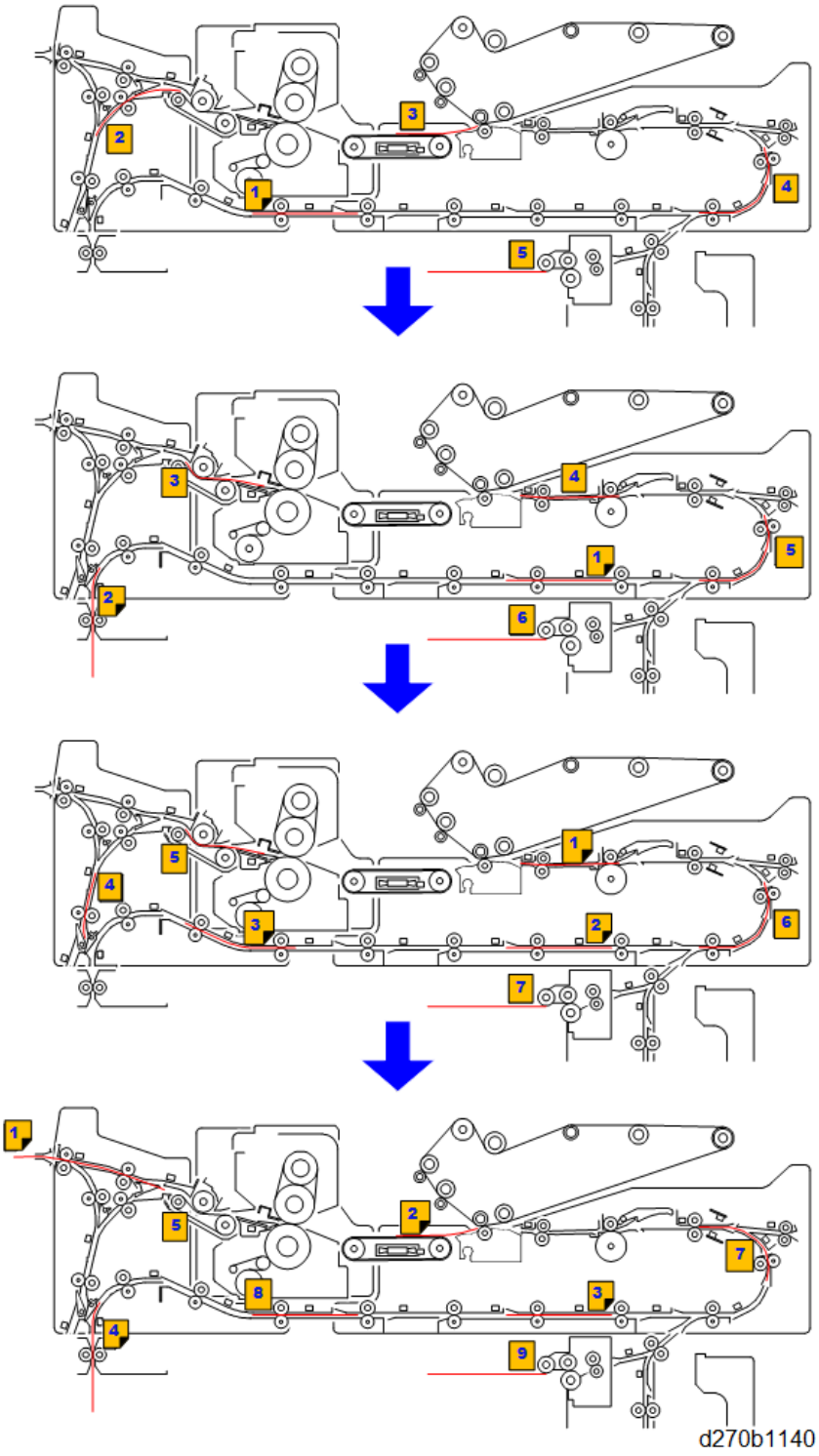
The interleave process during duplexing is slightly different, depending on the size of the paper as described below.

Paper Length (mm)	Interleaved Sheets
Longer than 139.7 (HLT LEF), shorter than 216 (LT LEF)	5
Longer than 216 (LT LEF), shorter than 297 (A4 SEF)	4
Longer than 297 (A4 SEF), shorter than 364 (B4 SEF)	3

Paper Length (mm)	Interleaved Sheets
Longer than 364 (B4 SEF), shorter than 432 (DLT SEF)	
Longer than 432 (DLT SEF), shorter than 457.2 (12"x18")	
Longer than 457.2 (12×18in), shorter than 487.7 (13"x19.2")	

Five Interleave Sheet Flow

In this example, the flow follows this sequence: 1st front side > 2nd front side > 3rd front side > 4th front side > 5th front side > 6th back side > 2nd back side > 7th front side > 3rd back side > 8th front side > 4th back side > 9th front side, and so on. Refer to the illustration below.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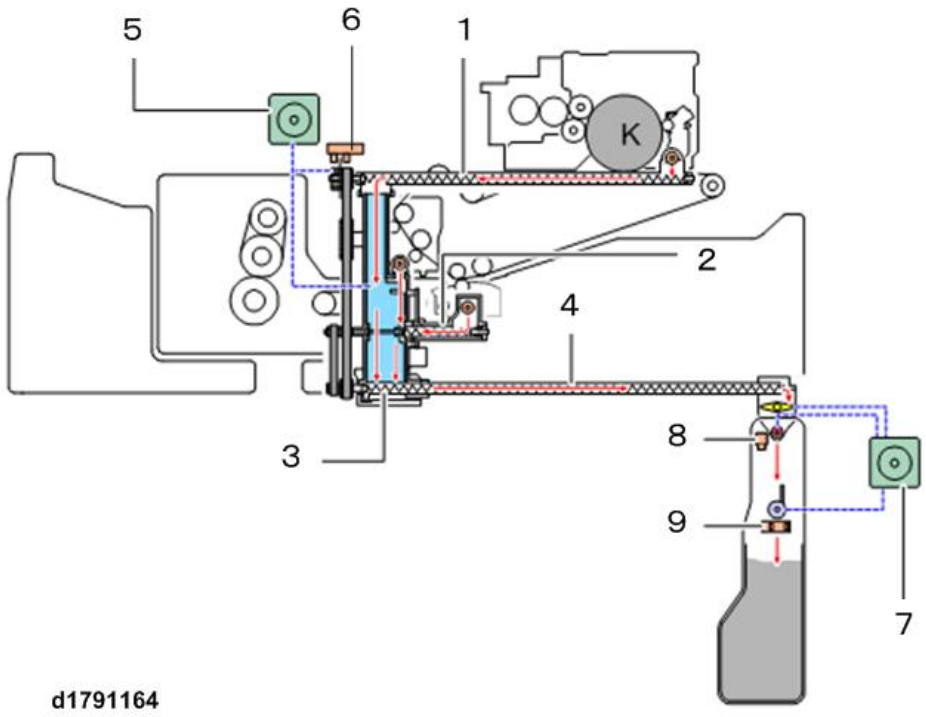
Used Toner Collection Unit

Overview



No.	Name	No.	Name
1	Upper Horizontal Path	6	Lock Sensor
2	PTR Path	7	Bottle Motor
3	Vertical Path	8	Bottle Full Sensor
4	Lower Horizontal Path	9	Bottle Near Full Sensor
5	Used Toner Collection Motor		

Paper dust and excess toner from the drum, ITB unit, and PTR unit is collected and transported automatically to the used toner bottle.

There are four sections in the used toner path:

- Horizontal path
- PTR path
- Vertical path
- Lower path

Mechanical Configuration: Used Toner Collection

Used Toner Transport	Used toner transport paths: belt cleaning, vertical transport, lower transport
Used Toner Bottle	Toner collection path coils, toner bottle coils
Sensors	Three sensors

Used Toner Bottle Drive	Used toner bottle motor
Used Toner Bottle Near-Full, Full Detection	

Used Toner Transport Mechanism

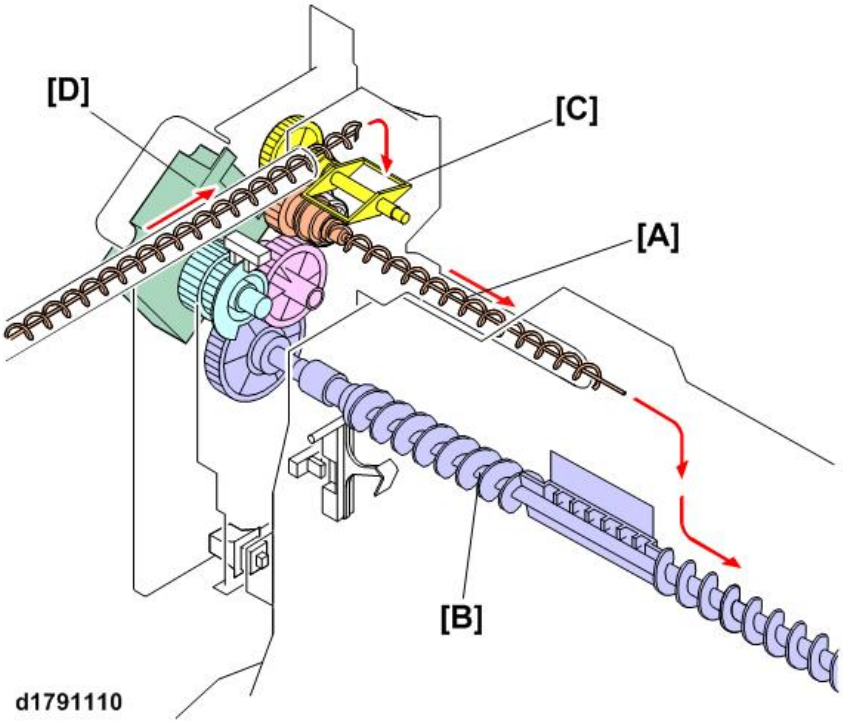
Used Toner Path

The used toner collection path can be divided into four parts:

- **Upper horizontal path**. Used toner from the drum cleaning unit.
- **PTR cleaning unit path**. Used toner from the PTR cleaning unit.
- **Vertical Path**. Used toner and paper dust from the ITB cleaning unit, paper dust, upper path and PTR path also empty into this duct.
- **Lower horizontal path**. Collection point for all the sources of used toner, paper dust from other paths for transport to the used toner bottle.

If one of the transport coils becomes jammed in the used toner path, the used toner lock sensor will signal an alert and stop the used toner transport motor, and the machine will issue SC488 (Used toner transport abnormal).

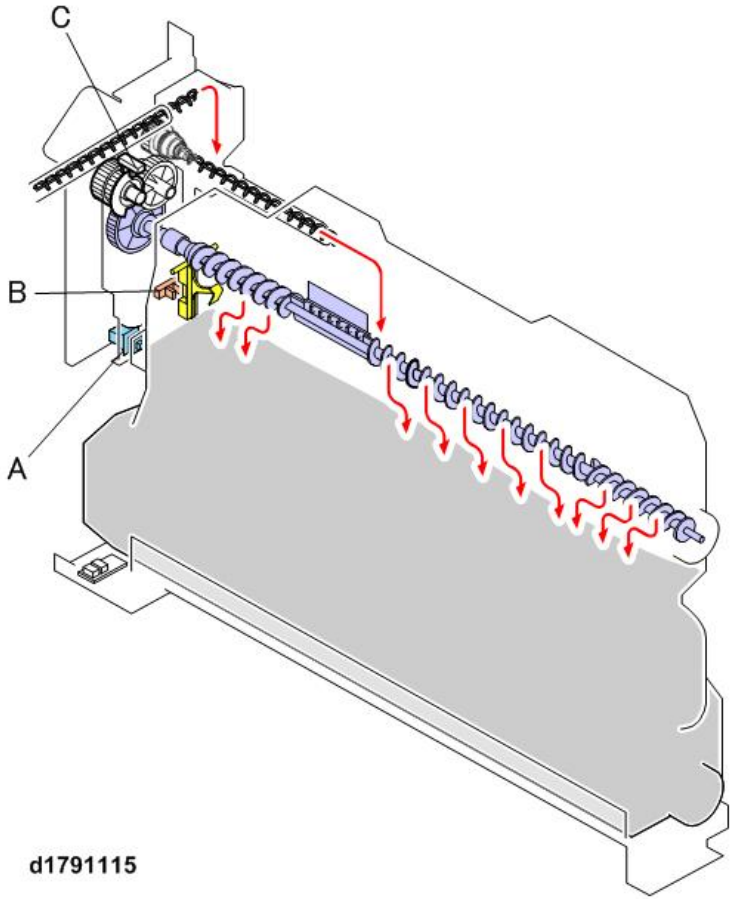
Used Toner Collection Bottle Transport



- Used toner and paper dust transported from the lower path to the used toner bottle by the used toner unit transport coil [A] drops into the transport coil [B] of the used toner bottle, and then falls into the used toner bottle.
- An agitator [C] creates a mild vibration so the used toner dumped into the bottle does not clump.
- The agitator, collection unit toner coil, and used toner bottle coil are all driven by the used toner bottle motor

[D].

Switches and Sensors



To ensure that the top of the used toner in the bottle remains flat, the toner is dispersed evenly from rear to front. There is one switch and two sensors in the used toner bottle.

- **Used toner bottle set switch**. The used toner bottle set switch [A] (a micro-switch) detects whether the bottle is set correctly or not.
- **Near-full sensor.** The near-full sensor [B] detects when the used toner bottle is almost full and displays an alert on the operation panel so the operator can make preparation to replace the bottle. After the alert is issued, the machine can continue to be used for 290 K prints (A4 SEF 8% coverage).
- **Full sensor**. The full sensor [C] detects when the used toner bottle comes full. Once the machine detects the full condition and issues the alert, the machine stops and cannot be used until the used toner bottle has been replaced.

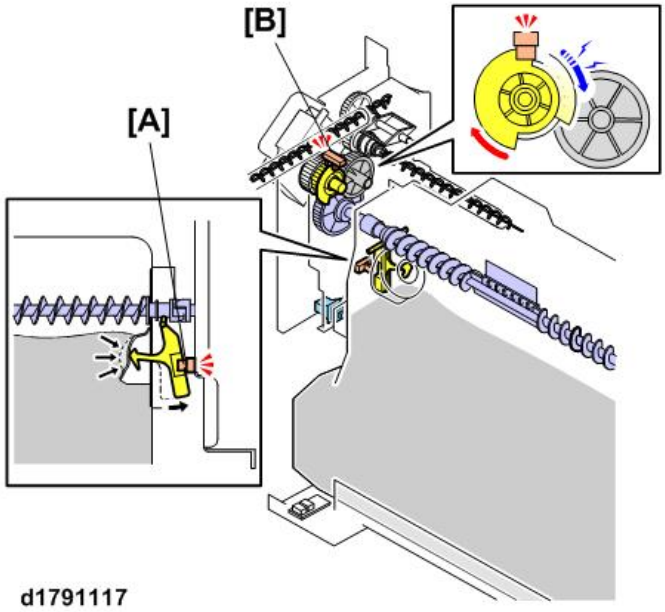
Used Toner Bottle Near-Full, Full Detection

Used toner bottle near-end detection

- When the level of the used toner inside the bottles accumulates high enough to reach the actuator of the near-full sensor [A], this switches the near-full sensor on, and if it remains on for more than 3 sec., this will trigger the bottle near-full alert.

Used toner bottle full detection

- The full sensor [B] detects when the used toner bottle is full by monitoring the rotation of the used toner transport coil.

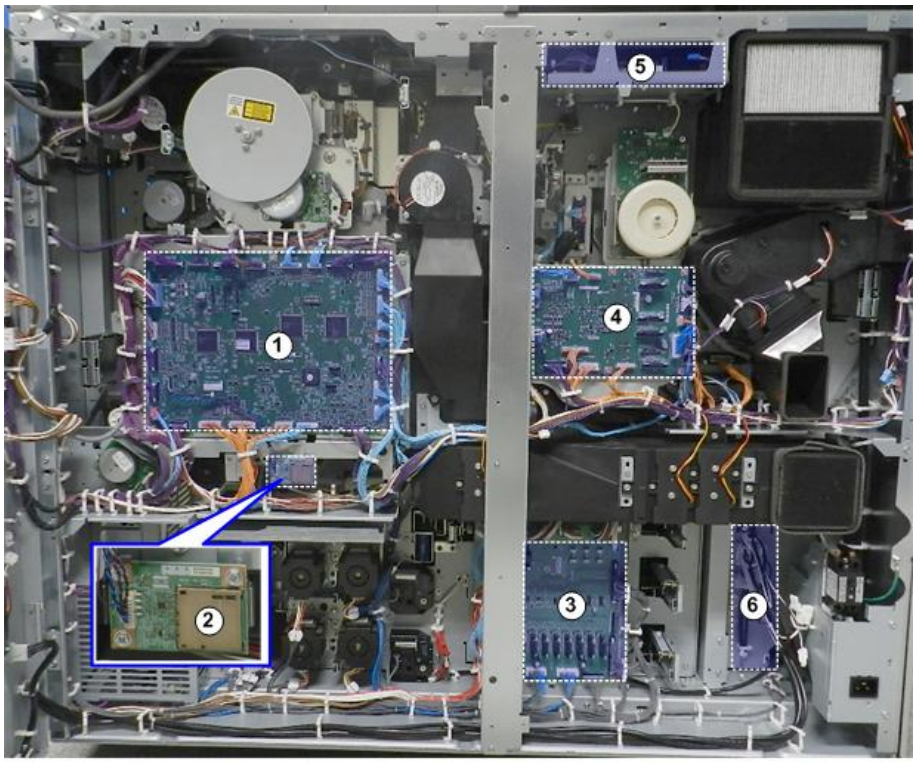


- Normally, the used toner bottle sensor switches on/off repeatedly during the rotation of the toner path and bottle transport coils.
- When the used toner bottle becomes full this places a load on the transport coils. If the torque limiter of the drive gear can no longer turn (the signals no longer alternate on/off), and if this condition continues for longer than 3 sec., this signals that the used toner bottle is full.
- As soon as the machine issues the bottle full alert, the machine stops.
- If there is a job in progress it will shut down immediately and an alert will appear on the operation panel.
- After the machine issues the user toner bottle near-full alert, approximately another 290K sheets can be printed (A4 LEF at 6% coverage) until the bottle becomes full.
- The capacity of the used toner bottle is about 1200 K sheets.

Boards

Layout

Main Machine: Rear



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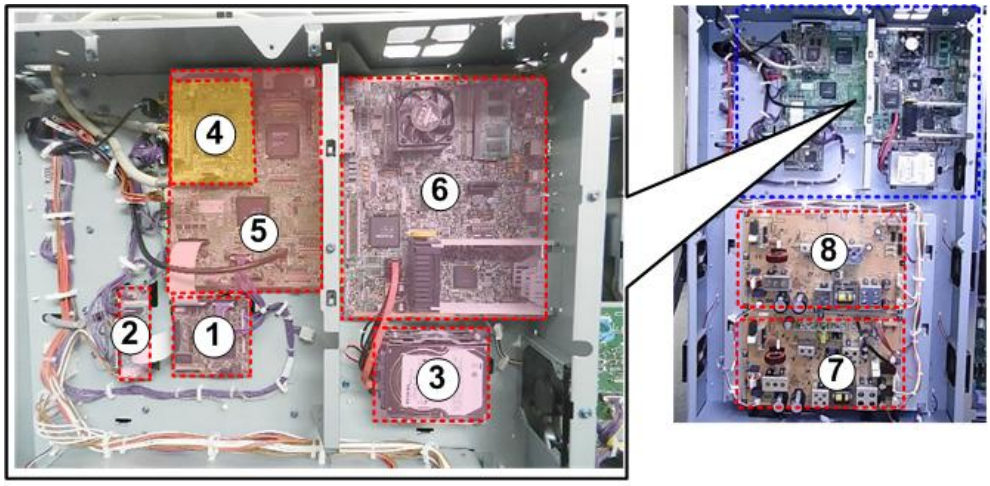
No.	Name
1	IOB
2	SDCB
3	RYB
4	EDRB
5	CGB Power Pack
6	AC Drive Board

Controller Box



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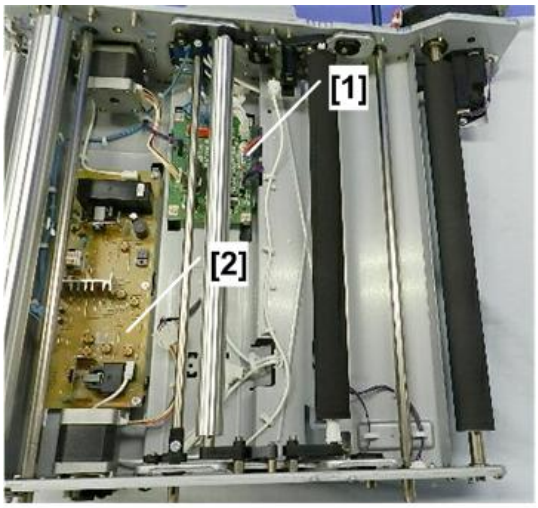
No.	Name	No.	Name
1	BCU	5	IPU
2	CNB	6	Controller Board
3	HDD	7	PSU-A
4	IPU Sub Board (Copier Model Only)	8	PSU-B

Controller Box (Reverse Side)

d270b1109

No.	Name
1	PSU-C

ITB Unit



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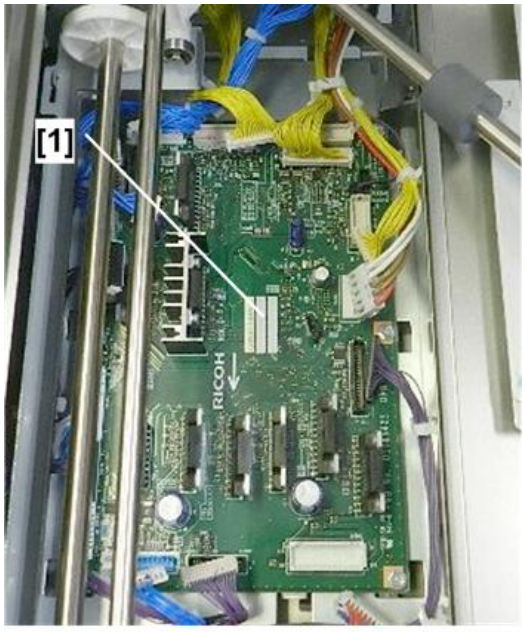
No.	Name
1	TDRB
2	Transfer Power pack

Registration Unit



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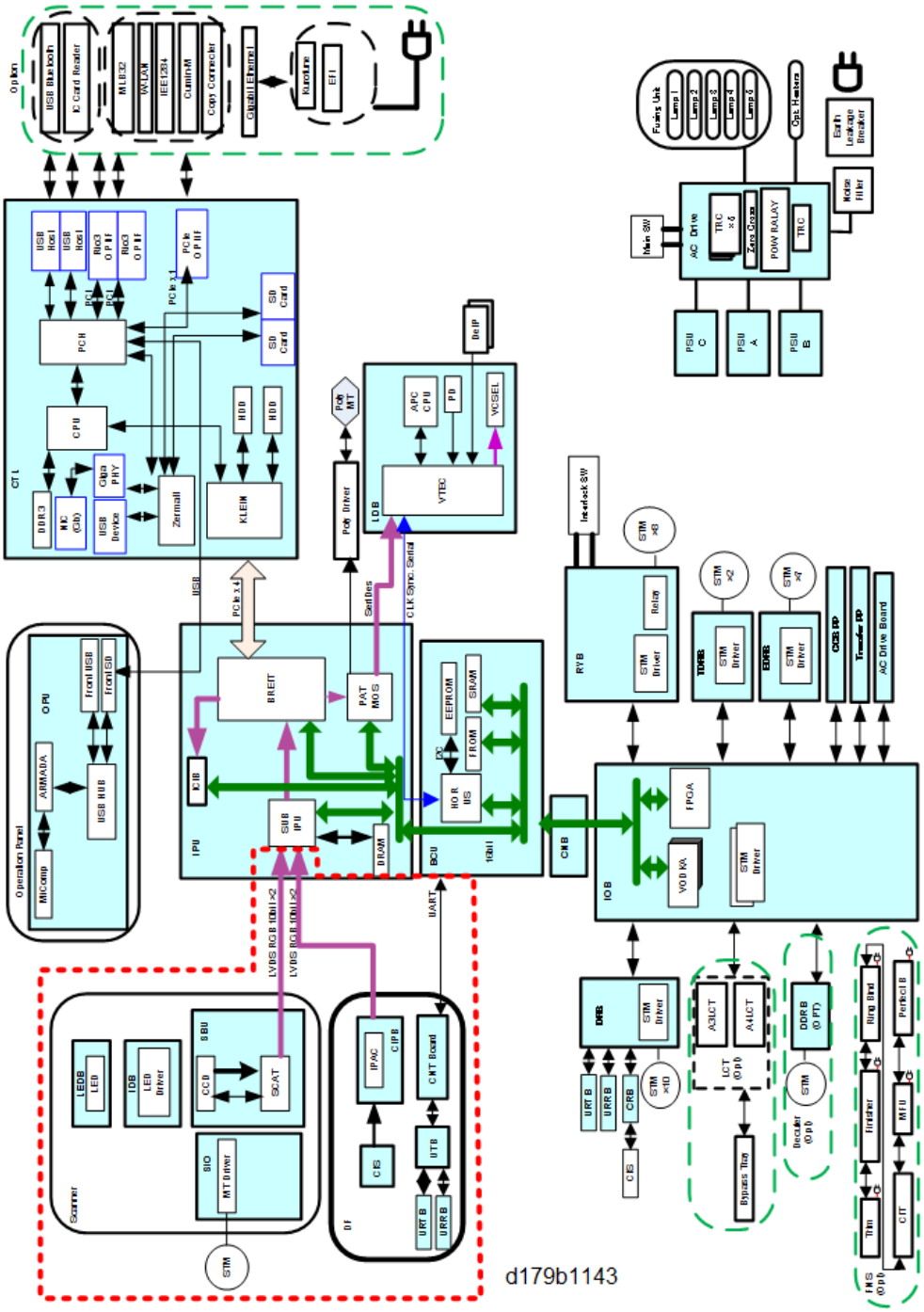
No.	Name
1	DRB

Board Circuit Diagram



Summary of Board Functions

Note

- The components inside the dotted lines in the drawing above are in the copier model only (these are scanner components).

- **IOB (Input/Output Board)**. Contains the I/O ASIC and controls all the mechatronics in the machine.
- **BCU (Base Control Unit)**. Holds the engine CPU and firmware, controls the machine engine.
- **IPU (Imaging Processing Unit)**. Contains large-scale integrated circuits that process the image data.

- **Controller Board**. Incorporates the GW architecture that controls the entire system.
- **TDRB (Transfer Drive Board)**. Controls ITB unit motors circuits.
- **RYB (Relay Board)**. Controls power relay to DC electrical components and controls motors and circuits of the paper bank.

  RYB Fuses: Rating 200V to 240V
- **SIO (Scanner Interface Board)**. (Copier only) Controls motors and circuits of the scanner unit.
- **SBU (Sensor Board Unit)**. (Copier only) Contains the CCD that processes analog image data and converts it to digital data.
- **CGB (Charge, Grid, Bias) Power Pack**. The high voltage power pack that takes DC24V and PWM signal input and generates the DC current for image creation.
- **Transfer Power Pack**. The high voltage power pack that takes DC24V and PWM signal input and generates DC current supply to the image transfer unit
- **Separation Power Pack**. The high voltage power pack that takes DC24V and PWM signal input and generates the AC+DC output for the paper separation in the paper transfer unit.
- **DRB (Drive Board)**. Controls the motors and circuits of the registration unit.
- **LDB (Laser Drive Board)**. Controls operation of the LD unit, including VCSEL.
- **OPU (Operation Panel Unit)**. Controls the operation of the operation panel..
- **AC Drive Board**. Supplies AC power the PSU units, fusing lamps, and anti-condensation heaters.
- **PSU A, B, C (Power Supply Units)**. Convert AC (AC 200V to 240V) to DC (5V, 24V).

  PSU-A supplies power (5V) for the operation panel, laser writing, paper transport drive mechanisms, and the fusing unit.

  PSU-B supplies power (5V) for the machine in low energy mode, and supplies power to the ADF and LCT (option).

  PSU-C supplies power for main machine paper banks, operation panel, downstream peripheral units.
- **HDD**. Scanned image data is compressed and held here temporarily. Also, provides storage space required for: user data, font downloads, form downloads, electronic sorting, money charges, job history data, print job spooling, address book, sort output, job logs, etc.

Capacity	Approx. 320GB x2
Local storage	Printing: approx. 15,000
Temporary storage	Copying: electronic sorting: approx. 5,000 pages
	Scanning: approx. 2,200 pages
	Printing: electronic sorting: approx. 20,000 pages
	Copying: electronic sorting: approx. 5,000 pages)

- **DDRB (Decurl Unit Drive Board)**. Contains the circuits for the operation and control of the stepper motors in the decurl unit.
- **EDRB (Exit Drive Board)**. Controls operation of the motors in the exit unit on the left side of the drawer.
- **CNB (Connector Board)**. Sorts and routes signals on harnesses between the BCU and IOB.
- **URRB (Ultra-sonic Receive Board)**. This is the small PCB on the double-feed sensor mounted above the paper path in the registration unit. Receives the signal from the other double-feed sensor below the paper

path in the registration unit.

- **URTB (Ultrasonic Transfer Board)**. This is the small PCB on the double feed sensor mounted below the paper path in the registration unit. In issues the signals received by the double-feed sensor above the paper path in the registration unit.
- **SDCB (Service Slot Board)** Equipped with an SD card slot, this small board below the IOB logs operation sequences for testing and debugging.

Pro 8200S/8210S/8220S
Pro 8210/8220
Machine Code:
D270/D271/D272/M0AA/M0AB
Appendices
Ver 1.0

Latest Release: Nov, 2016
Initial Release: Nov, 2016
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1. Appendices: Specifications

General Specifications

Main Frame

Items			Specification	Remarks
Configuration			Console	
CPU			Intel Celeron Processor P4505 1.86 GHz	
Memory			2 GB standard	
HDD capacity			320 GB x2	
Print/Copy Process			1-drum dry electrostatic transfer system with internal transfer belt	
Fusing			Oil-less Belt-fusing Method	
Technology	Reading element		Lower side*: 4 channel CCD array image-sensing element Upper side: 3-line CMOS CIS (Contact Image Sensor)	*Exposure glass side
	Printing processing		40-beam VCSEL (Vertical Cavity Surface Emitting LASER) Technology	-> 1200x4800 dpi
Engine Speed			Pro 8200S: 96 ppm Pro 8210S, 8210Y: 111 ppm. Pro 8220S, 8220Y: 136 ppm	A4 LEF
Warm up time			360 sec or less	
First copy, print			Pro 8200S: 6.3 sec. Pro 8210S, 8210Y: 5.6 sec. Pro 8220S, 8220Y: 4.6 sec.	
Limitless Paper Supply			Supported	
Dimensions (W x D x H)			1141 x 900 x 1020 mm (45 x 35.5 x 40 in.)	Copier (with ADF)
Weight			425 kg (935 lb.) Copier with ADF 410 kg (902 lb.) Printer without ADF	
ARDF			Standard	
Input Capacity	Standard		Tray 1: 1,100 sheets x 2 (Tandem Tray) Tray 2: 550 sheets Tray 3: 550 sheets Total: 3300 sheets	Capacity calculated with paper 0.1 mm thick.
	Option LCT	A4/LT LCT	Tray 4: 1,100 sheets Tray 5: 1,100 sheets	

Items			Specification	Remarks
			Tray 6: 2800 sheets Total: 5000 sheets	
		A3/DLT LCT	Tray 4: 1100 sheets Tray 5: 2200 sheets Tray 6: 1100 sheets Total: 4400 sheets	
	Multi Bypass Tray (Option)		Tray 7: 550 sheets	
	Max (System)		with A4/LT LCT: 8850 sheets with A3/DLT LCT: 8250 sheets	
Input Paper Size	2nd and 3rd Trays		A3 SEF to A5 LEF, B4 SEF to B5 LEF, 11x17 SEF to 5.5x8.5 LEF Custom Paper Size • Width: 139.7 to 330.2 mm (5.50 to 13.00 in.) • Length: 139.7 to 457.7 mm (5.50 to 18 in.)	
	A4/LT LCT	4th-6th Trays	A4 LEF to A5 LEF/SEF, B5 LEF, 8.5x11 LEF to 5.5x8.5 LEF/SEF Custom Paper Size • Width: 139.7 to 305.0 mm (5.50 to 12.00 in.) • Length: 139.7 to 230.0 mm (5.50 to 9.05 in.)	
Input Paper Size	A3/DLT LCT	4th-6th Trays	A3 SEF to A6 SEF, B4 SEF to B6 SEF, 11x17 SEF to 5.5x8.5 LEF Custom Paper Size • Width: 100.0 to 330.2 mm (3.94 to 13.00 in.) • Length: 139.7 to 487.7 mm (5.50 to 19.20 in.)	
	7th Tray		A3 SEF to A6 SEF, B4 SEF to B6 SEF, 11x17 SEF to 5.5x8.5 LEF Custom Paper Size • Width: 100.0 to 330.2 mm (3.94 to 13.00 in.) • Length: 139.7 to 487.7 mm (5.50 to 19.20 in.)	

1.Appendices: Specifications

Items			Specification		Remarks
Input Paper Weight	1st Tray		52.3 - 256 g/m^2, 14lb Bond - 95lb Cover		
	2nd and 3rd Trays		52.3 - 256 g/m^2, 14lb Bond - 95lb Cover		
	A4/LT LCT	4th Tray	52.3 - 216 g/m^2, 14lb Bond - 80lb Cover		
		5th Tray	52.3 - 216 g/m^2, 14lb Bond - 80lb Cover		
		6th Tray	52.3 - 163 g/m^2, 14lb Bond - 90lb Index		
Input Paper Weight	A3/DLTLCT	4th Tray	52 - 256 g/m^2, 14lb Bond - 95lb Cover		
		5th Tray	40.0 - 300 g/m^2, 11lb Bond -110lb Cover		
		6th Tray	52.3 - 256 g/m^2, 14lb Bond - 95lb Cover		
	7th Tray		52 - 256 g/m^2, 14lb Bond - 95lb Cover		
Input Paper Weight	Print Mode	Simplex	40 - 300 g/m^2, 11lb Bond - 110lb Cover		
		Duplex	52 - 300 g/m^2, 14lb Bond - 110lb Cover Note: Over 256 g/m^2 thick paper is limited support. Need prior test of each paper brand.		
Output Capacity	Finisher		3,000 + 250 sheets		
	Booklet Finisher		2,500 + 250 sheets		
	Stacker		Not supported		
Max Print Area			320 x 480 mm (13 x 19 in.)		
Power Source			NA: 208-240V, 50/60Hz, 20A EU: 220-240V, 50/60Hz, 16A		
Power Consumption			Operation	Pro 8200S	2,460 W
				Pro 8210S	2,220 W
				Pro 8200S	2,010 W
				Pro 8220Y	2,380 W
				Pro 8210Y	2,080 W
			TEC	Pro 8200S	17.349 w/h
				Pro 8210S	13.745 w/h
				Pro 8200S	11.762 w/h
				Pro 8220Y	17.418 w/h
				Pro 8210Y	13.809 w/h
Low Power Mode			Less than 1.2 W with recovery within 360 sec.		
Off Mode			Less than 0.6 W with recovery within 360 sec.		
Spurious Noise			Standby	Pro 8200S	78.5 dB
				Pro 8210S, 8210Y	76.0 dB
				Pro 8220S, 8220Y	74.5 dB
			Operation	Pro 8200S	6.15 dB
				Pro 8210S, 8210Y	66.0 dB

Items	Specification		Remarks
		Pro 8220S, 8220Y	73.5 dB
Toner Bottle	Two Bottles		
Auto Duplex Printing / Inverter Output	13 x 19.2 in. - HLT Custom Paper Size • 105.0 - 330.2 mm SEF (4 - 13 in. SEF) • 139.7 - 487.7 mm LEF (5.5 - 19 in. SEF)		
	Paper Thickness	52.3 - 300 g/m^2	Over 257 g/m^2 thick paper is limited support.
	Inverter Exit Paper	40 - 300 g/m^2	

Printer

Items		Specification	Remarks
CPU		Intel(R) Celeron(R) Processor P4505 1.86GHz	
RAM	Standard	Basic Model: Standard: 2GB (2GB x1) SP Model: Standard: 2GB (2GB x1)	
Hard Disk Drive		Standard: 500GB (250GB x 2)	
PDL	Standard	Standard: PCL6, PCL5e, PDF	
	Option	Adobe PostScript 3, Genuine IPDS	
Continuous Print Speed	Max.	Pro 8220 S: 96 ppm Pro 8210S, 8210Y: 111 ppm Pro 8220S, 8220Y: 136 ppm	A4 LEF
Print Resolution	Max.	1200 x 4800 dpi	
Rendering Resolution	PCL5e	-300 x 300 dpi -600 x 600 dpi Gradation: Fast (1-bit)	With the combination of 'Resolution' and 'Gradation' or 'Printing Mode' settings in printer drivers, the variation of print resolution is as listed below.
Rendering Resolution	PCL6	-600 x 600 dpi -1200 x 1200 dpi Gradation: Fast (1-bit)	With the combination of 'Resolution' and 'Gradation' or 'Printing Mode' settings in printer drivers, the variation of print

1.Appendices: Specifications

Items		Specification	Remarks
			resolution is as listed below.
Rendering Resolution	PS3	-600 x 600 dpi -300 x 300 dpi -1200 x 1200 dpi Gradation: Fast (1bit)	With the combination of 'Resolution' and 'Gradation' or 'Printing Mode' settings in printer drivers, the variation of print resolution is as listed below.
Rendering Resolution	IPDS	-300dpi (1-bit) -600dpi (1-bit)	
Fonts	Standard	PCL: 45 fonts, 13 International fonts	
	Option	PS3: 136 fonts IPDS: 108 fonts	
Host Interface	Standard	Ethernet (1000BASE-T*/100BASE-TX/10BASE-T), USB2.0 Type A (2 port on the back of the machine, 1 port on the operation panel), Type B, SD Slot on the operation panel	* Ethernet 1000Base-T is on board but needs to be selected by the user
	Option	IEEE1284/ECP Wireless LAN (IEEE802.11a/b/g/n)	Bluetooth cannot be used on the USB port on the operation panel.
Network Protocol		Standard: TCP/IP Option: IPX/SPX (Netware Option)	
MIB support	Standard MIB	MIB-II (RFC1213), Hos Resource (RFC1514) Printer Mib (RFC1759) Printer Port Monitor MIB	
	Private MIB	Ricoh Original	
Network/Operating Systems		• Windows Vista/7/8/8.1/10/Server • Windows 2008/2008 R2/2012/2012 R2 • Unix: Sun Solaris, HP-UX, SCO Open Server • Red Hat Linux • IBM AIX • Citrix Presentation Server4.5/Citrix XenApp5.0 • Mac OS X v.10.2 or later • SAP R/3, • NDPS Gateway,	* Netware option discontinued (it will be built-in)

Items	Specification	Remarks
	• IBM iSeries/AS/400-using OS/400 Host Print Transform	

Scanner

Items		Specifications	Remarks
Color Scan		Standard	
Scanning Speed (single pass duplex DF)	B&W	120 (simplex) / 220 (duplex) (A4/LET LEF / 200dpi/300dpi, 1-bit)	
	Color	120 (simplex) / 220 (duplex) (A4/LET LEF / 200dpi, 4-bit / 300dpi, 4-bit)	
Scanning Resolution	Std	100 / 150 / 200 / 300 / 400 / 600dpi	200dpi as a default
Auto Size Detection (US model)	Contact Glass	11"x17"(DLT) SEF, 8 1/2"x14"(LG) SEF, 8 1/2"x11"(LT) LEF/SEF, 8 1/2"x5 1/2"(HLT) LEF, SP mode adjustment is required: 8 1/2"x5 1/2"(HLT)SEF	
Auto Size Detection (US model)	ARDF	11"x17" (DLT)SEF, 8 1/2"x14" (LG)SEF, 8 1/2"x11"(LT) LEF/SEF, 5 1/2"x8 1/2"(HLT) LEF/SEF, 8 1/2"x13"(Foolscap) SEF 10"x14"SEF, 11"x15"SEF (detected the same as DLT SEF, Default = DLT SEF), 8"x10"SEF (detected the same as LT SEF, Default = LT SEF), 7 1/4"x10 1/2"(EXE) LEF/SEF	
Auto Size Detection (EU/AP/CHN Model)	Contact Glass	A3 SEF, B4 SEF, A4 LEF/SEF, B5 LEF/SEF, A5 LEF, 8 1/2"x13"(F) SEF, SP mode adjustment is required: A5 SEF, 8"x13"(F) SEF, 8 1/4"x13"(Folio) SEF, 8K SEF, 16K LEF/SEF	
Auto Size Detection (EU/AP/CHN Model)	ARDF	11"x17" (DLT)SEF, 8 1/2"x14" (LG)SEF, 8 1/2"x11"(LT) LEF/SEF, 5 1/2"x8 1/2"(HLT) LEF/SEF, 8 1/2"x13"(Foolscap) SEF, 10"x14"SEF, 11"x15"SEF (detected the same as DLT SEF, Default = DLT SEF), 8"x10"SEF (detected the same as LT SEF, Default = LT SEF) 7 1/4"x10	

1.Appendices: Specifications

Items		Specifications	Remarks
		1/2"(EXE) LEF/SEF	
Scan Area	Main Scan	297 mm	
	Sub Scan	432 mm	
sRGB Support		RGB (equivalent to sRGB)	
Network Interface		Ethernet	*Ethernet 1000Base-T is on board but needs to be selected by the user.
		(1000Base-T*/100Base-TX/10Base-T)	
		USB2.0 Type A	
		SD card slot	Scan to USB/SD Card is available.
		Wireless LAN (IEEE802.11a/b/g/n)	Option

Supported Paper Sizes

Paper Feed

Mainframe, Bank (Optional Paper Trays), Bypass Tray

Size (W x L) [mm]	Mainframe tray		Bank		Bypass-Tray	
	NA	EU/ Asia/ TW	NA	EU/ Asia/ TW	NA	EU/ Asia/ TW
A3 SEF (297 x 420)	S	A	S	A	M	M
A4 SEF (210 x 297)	A	A	A	A	M	M
A4 LEF (297 x 210)	S	A	S	A	M	M
A5 SEF (148 x 210)	-	-	M	B	M	M
A5 LEF (210 x 148)	S	A	A	A	M	M
A6 SEF (105 x 148)	-	-	M	M	M	M
B4 SEF (257 x 364)	S	A	S	A	M	M
B5 SEF (182 x 257)	A	A	A	A	M	M
B5 LEF (257 x 182)	S	A	S	A	M	M
B6 SEF (128 x 182)	-	-	M	M	M	M
DLT SEF (11" x 17")	A	S	A	S	M	M
Legal SEF ($8^1/_2$" x 14")	A	S	A	S	S	M
Foolscap SEF ($8^1/_2$" x 13")	M	M	M	M	M	M
LT SEF ($8^1/_2$" x 11")	A	A	A	A	M	M
LT LEF (11" x $8^1/_2$")	A	S	A	S	M	M
Gov. LG SEF ($8^1/_4$" x 14")	M	M	M	M	M	M
Folio SEF ($8^1/_4$" x 13")	M	M	M	M	M	M
F/GL SEF (8" x 13")	M	M	M	M	M	M
G LT SEF (8" x $10^1/_2$")	M	M	M	M	M	M
G LT LEF ($10^1/_2$" x 8")	M	M	M	M	M	M
Eng Quatro SEF (8" x 10")	M	M	M	M	M	M
Eng Quatro LEF (10" x 8")	M	M	M	M	M	M
Executive SEF ($7^1/_4$" x $10^1/_2$")	M	M	M	M	M	M
Executive LEF ($10^1/_2$" x $7^1/_4$")	A	S	A	S	M	M
HLT SEF ($5^1/_2$" x $8^1/_2$")	-	-	M	M	M	M
HLT LEF ($8^1/_2$" x $5^1/_2$")	A	S	-	-	M	M
Com10 SEF ($4^1/_8$" x $9^1/_2$")	-	-	-	-	M	M
Monarch SEF ($3^7/_8$" x $7^1/_2$")	-	-	-	-	M	M
C5 SEF (162 x 229)	-	-	-	-	M	M

C5 LEF (229 x 162)	-	-	-	-	M	M
C6 Env SEF (114 x 162)	-	-	-	-	M	M
DL Env SEF (110 x 220)	-	-	-	-	M	M
8K SEF (267 x 390)	M	M	M	M	M	
16K SEF (195 x 267)	M	M	M	M	M	M
16K LEF (267 x 195)	M	M	M	M	M	M
12" x 18" SEF	-	-	-	-	M	M
Folio SEF (11" x 15")	M	M	M	M	M	M
Folio SEF (11” x 14”)	M	M	M	M	M	M
Folio SEF (10" x 15")	M	M	M	M	M	M
Folio SEF (10" x 14")	M	M	M	M	M	M

Remarks:

A:	Supported: the sensor detects the paper size.
M:	Supported: the user specifies the paper size.
S:	Supported: depends on a technician adjustment
-:	Not supported

Paper Exit

Main: Mainframe (Copier/Printer)

Name	Orientation
A3	SEF
A4	SEF
A4	LEF
A5	SEF
A5	LEF
A6	SEF
B4	SEF
B5	SEF
B5	LEF
B6	SEF
DLT	SEF
Legal	SEF
Foolscap	SEF
Letter	SEF
Letter	LEF
Government LG	SEF
Folio	SEF

Name	Orientation
F/GL	SEF
G LT	SEF
G LT	LEF
Eng Quatro	SEF
Eng Quatro	LEF
Executive	SEF
Executive	LEF
Half Letter	SEF
Half Letter	LEF
8-kai	SEF
16-kai	SEF
16-kai	LEF
12"x18"	SEF
11"x15"	SEF
11"x14"	SEF
10"x15"	SEF
10"x14"	SEF
13"x19.2"	SEF
13"x19"	SEF
12.6"x19.2"	SEF
12.6"x18.5"	SEF
13"x18"	SEF
SRA3"	SEF
SRA4"	SEF
SRA4"	LEF
226"x310"	SEF
226"x310"	LEF
310"x432"	SEF

Custom Sizes

Custom Size (Std.) Width	Min.	100.0 mm
Custom Size (Std.) Width	Max.	330.2 mm
Custom Size (Std.) Length	Min.	139.7 mm
Custom Size (Std.) Length	Max.	487.7 mm
Custom Size (Std.) Width	Min.	3.94 in.
Custom Size (Std.) Width	Max.	13.00 in.
Custom Size (Std.) Length	Min.	5.50 in.
Custom Size (Std.) Length	Max.	19.20 in.

Original Size Detection

Size (W x L) [mm]	NA		EU/Asia/Oceania/China	
	Platen	ADF	Platen	ADF
A3 SEF (297 x 420)	-	Y	Y*1	Y
B4 SEF (257 x 364)	-	-	Y*1	Y
A4 SEF (210 x 297)	Y*1	Y	Y*1	Y
A4 LEF (297 x 210)	Y*1	Y	Y*1	Y
B5 SEF (182 x 257)	-	-	Y*1	Y
B5 LEF (257 x 182)	-	-	Y*1	Y
A5 SEF (148 x 210)	-	-	Y*3/Y*1	Y
A5 LEF (210 x 148)	-	-	Y*1	Y
B6 SEF (128 x 182)	-	Y*5	-	Y
B6 LEF (182 x 128)	-	Y*5	-	Y
DLT SEF (11" x 17")	Y	Y*2	-	Y*2
LG SEF (8 1/2" x 14")	Y	Y*2	-	-
LT SEF (8 1/2" x 11")	Y*1	Y*2	Y*1	Y*2
LT LEF (11" x 8 1/2")	Y*1	Y*2	Y*1	Y*2
HLT SEF (5 1/2" x 8 1/2")	Y*3	Y	-	-
HLT LEF (8 1/2" x 5 1/2")	Y	Y	-	-
US EXE SEF (7 1/4” x 10 1/2”)	-	Y	-	-
US EXE LEF (10 1/2” x 7 1/4”)	-	Y	-	-
F SEF (8" x 13")	-	-	Y*4	Y*4
Foolscap SEF (8 1/2" x 13")	-	Y*2	Y*4	Y*4
Folio SEF (8 1/4" x 13")	-	-	Y*4	Y*4
Folio SEF (11" x 15")	-	Y*2	-	-
Folio SEF (10" x 14")	-	Y	-	-
Folio SEF (8" x 10")	-	Y*2	-	-
US EXE SEF (7 1/4" x 10 1/2")	-	Y	-	-
US EXE LEF (10 1/2 x 7 1/4")	-	Y*2	-	-
8K SEF (267 x 390)	-	-	Y*1	Y*2
16K SEF (195 x 267)	-	-	Y*1	Y*2
16K LEF (267 x 195)	-	-	Y*1	Y*2

*1: The machine can detect the paper size depending on the setting of SP4-305-001

*2: The machine can detect the paper size depending on the setting of SP6-016-001.

*3: The machine can detect the paper size depending on the setting of SP4-303-001.

*4: The machine can detect the paper size depending on the setting of SP5-126-001.

*5: The machine can detect the paper size when the optional ARDF is installed.

Remarks:

Y	Supported
-	Not supported.

Software Accessories

The printer drivers and utility software are provided on one CD-ROM. An auto-run installer allows you to select which components to install.

Printer Drivers

Printer Language	Windows XP*1*6	Windows Vista*2*6	Windows 7*3*6	Windows 8	Windows 10*8
RPCS	No	No	No	No	No
PCL 5e	Yes	Yes	Yes	Yes	Yes
PCL 6(XL)	Yes	Yes	Yes	Yes	Yes
PostScript	Yes	Yes	Yes	Yes	Yes
XPS	-	Yes	Yes	Yes	Yes
RPGL/GL2	No	No	No	No	Yes
PCL 6(XL) Universal Driver	Yes	Yes	Yes	Yes	Yes
PostScript Universal Driver	Yes	Yes	Yes	Yes	Yes

Printer Language	Windows Server 2003*4*6	Windows Server 20085*6	Windows Server 2012 or later	Macintosh*7
RPCS	No	No	No	No
PCL 5e	Yes	Yes	Yes	No
PCL 6(XL)	Yes	Yes	Yes	No
PostScript	Yes	Yes	Yes	Yes
XPS	-	Yes	Yes	No
RPGL/GL2	No	No	No	No
PCL 6(XL) Universal Driver	Yes	Yes	Yes	No
PostScript Universal Driver	Yes	Yes	Yes	Yes

*1 Microsoft Windows XP Professional Edition / Home Edition

*2 Microsoft Windows Vista Ultimate / Enterprise / Business / Home Premium / Home Basic

*3 Microsoft Windows 7 Home Premium / Professional / Ultimate / Enterprise

*4 Microsoft Windows Server 2003 Standard Edition / Enterprise Edition / Microsoft Windows Server 2003 R2 Standard Edition / Enterprise Edition

*5 Microsoft Windows Server 2008 Standard / Enterprise / Microsoft Windows Server 2008 R2 Standard / Enterprise

*6 Supports both versions (32/64 bit)

*7 Mac OS X 10.5 or later (native mode).

*8 Home, Pro, Enterprise, Education

Scanner and LAN Fax drivers

Driver	Windows XP*1*6	Windows Vista*2*6	Windows 7*3*6	Windows 8	Windows 10*7
Network TWAIN	Yes	Yes	Yes	Yes	
LAN-FAX	-	-	-	-	

Driver	Windows Server 2003*4*6	Windows Server 20085*6	Windows Server 2012 or later	Macintosh*7
Network TWAIN	Yes	Yes	Yes	Yes
LAN-FAX	-	-	-	-

*1 Microsoft Windows XP Professional Edition / Home Edition

*2 Microsoft Windows Vista Ultimate / Enterprise / Business / Home Premium / Home Basic

*3 Microsoft Windows 7 Home Premium / Professional / Ultimate / Enterprise

*4 Microsoft Windows Server 2003 Standard Edition / Enterprise Edition / Microsoft Windows Server 2003 R2 Standard Edition / Enterprise Edition

*5 Microsoft Windows Server 2008 Standard / Enterprise / Microsoft Windows Server 2008 R2 Standard / Enterprise

*6 Supports both versions (32/64 bit)

*7 Home, Pro, Enterprise, Education

Note

- The LAN Fax driver lets you fax documents directly from your PC. Address Book Editor and Cover Sheet Editor must be installed as well.
- The Network TWAIN driver operates in 32-bit compatibility mode on 64-bit operating systems
- The Network TWAIN driver is provided on the scanner driver CD-ROM.

Utility Software

Name	Category	Description
XG-SD	Input Management	Allows the user to set efficient delivery flows for scan data as an ESA app.
Gloria-P	Output Management	Output management for each user (on-demand).
Gloria-A	Output Management	Management for personal identifier using IC-card.
Gloria-AP	Output Management	IC-card

1.Appendices: Specifications

Name	Category	Description
Gloria-FS	Output Management	Location-free Print server
Maple	Output Management	Troubleshooting wizard for common printing problems.
Karachi	Other	Cloud printing service
RIS	Management of Document/Output/Machine/Authentication/Input/ES	Integrated solution that includes C&D, Output, Authentication, DM, Account/Report.
Forest	Machine Log Management	Log management server focused on the management of output machines.
UZ-D1	Machine Log Management	Log management server focused on the management of output machines.
Basil	Machine Log Management	Client Software for Machine searching, Status management, address book management.
UZ-A1	Machine Log Management	@Remote appliance box.
Lime	Machine Log Management	Server-type software focused on the @Remote function from UZ-S1.
Birdie-D	Machine Log Management	Client Software for machine searching, Status management, Configuration management.
Birdie-S	Machine Log Management	Basil based, server-type software.
Ibis	Other	Client PC software which integrated the function of Apricot and Air Designer.
MDS Tool V1.0	Other	A tool for Manage phase on MDS. Collects the machine information of customers with FM Audit (3rd party client software), then uploads it to the center and offers it with SaaS.
Mebius	Authentication	User authentication management
eDC-i1	Other	Software activation management system
Client Activator	Other	Utility for delivering the software to MFP with activation.
Endpoint	Machine Log Management	Cooperates with IBM Tivoli management software, to offer an integrated asset management solution by monitoring the condition of MFP

Name	Category	Description
		and sending the output counts to Tivoli.
Green Calculator	Other	Sales support tool that includes measuring the environmental performance (Power Consumption etc…)
UZ-S1	Machine Log Management	Management tool for MA segment customers.
Camelot	-	-
Info print Manager	-	-

Optional Equipment

A3/11"x17" Tray Kit

Dimensions (w x d x h)	495 x 530 x 175 mm (19 x 21 7 in.)
Weight	10 kg (11 lb.)
Paper weight	52.3 to 300 g/m^2
Paper sizes	A3 SEF, B4 SEF, A4 11"x17" SEF, 8.5"x14" SEF*1 8.5"x11", Custom Sizes*2
Paper Capacity	1,000 sheets/110 mm
*1	After the tray has been installed and loaded with standard paper, the paper size must be set with SP5959-002.
*2	After the tray has been installed and loaded with custom size paper, the paper size must be set withSP5960-001 to 002.

Decurl Unit DU5030

Item		Specification	
Dimensions (W x D x H)		71 x 509 x 181 mm (3 x 20 x 7 in.)	
Weight		Less than 5 kg (11 lb.)	
Type		Internal Module to be installed in mainframe (Option)	
Power Consumption		Less than 30W	
Power Supply		From mainframe	
Paper Size		100 x 139.7mm - 330.2 x 487.7mm (4 x 5.5 to 13 x 19 in.)	
Paper Weight		40 – 350 g/m^2	
Decurl Function	Pressure Adjustment	3 steps	From operation panel
	Curl Type	Back curl/Face curl	From operation panel

Multi Bypass Tray BY5010

Item	Specification	Notes
Paper Capacity	550 sheets (80 g/m^2, 20lb Bond)	
Paper Size	A5 (LEF)/5.5”x8.5” (LEF) – 13” x 19.2” Custom Size Paper • Width: 100.0 to 330.2mm (3.94 to 13.00 in.) • Length: 139.7 to 487.7mm (5.50 to 19.20 in.)	
Paper Weight	52.3 to 216 g/m^2, 14lb Bond to 80lb Cover	

Item	Specification	Notes
Power Source	From Mainframe > LCT > Tray	
Paper Volume Sensors	In 4 steps: Near end, 0%, 50%, 100%	
Dimension (W x D x H)	690 x 561 x 210 mm (27 x 22 x 8 in.)	
Weight	Less than 20 kg (44 lb.)	

Bridge Unit (BU5010)

Item	Specifications
Configuration	Horizontal transport unit, Bridge unit
Paper Thickness	40.0 to 360.0g/m^2
Paper size	Postcard (Width: 100mm): up to 13×19.2 Length: 139.7 to 487.7 mm (5.5 to 19 in.) Width: 100.0 to 330.2 mm (4 to 13 in.)
Power source	DC: 24V±10%, DC: 5V±5% (From Vacuum fFeed LCIT RT5100)
Dimensions (W x D x H)	330 × 730 × 1000 mm (13 x 29 x 39 in.) Bridge unit excluding protrusion
Weight	60 kg (132 lb.) or less (Excluding accessories)

Vacuum Feed LCIT RT5100

Item	Specifications
Configuration	Console, attached to right side of main machine
Paper weight	Tray1: 40.0 to 350.0g/m^2 11 to 130 lb Cover Tray2: 40.0 to 350.0g/m^2 11 to 130 lb Cover
Paper size	13 x 19.2" SEF, 13 x 19"SEF, 12.6 x 19.2"SEF, 12.6 x 18.5" ,13 x 18" SEF, SRA3 SEF, 12 x 18" SEF,SRA4 SEF/LEF,A3 SEF, A4 SEF/LEF, A5 SEF/LEF, A6 SEF, B4 SEF, B5 SEF/LEF, B6 SEF,DLT SEF, LG SEF, 8.5 x 13" SEF, LT SEF/LEF, 8.25 x 14" SEF, 8.25 x 13" SEF, 8 x 13" SEF,8 x 10.5" LT SEF/LEF, 8 x 10" SEF/LEF, Executive SEF/LEF, HLT SEF/LEF, Line slider1 SEF/LEF, Line slider2 SEF, 8-Kai SEF, 16-Kai SEF/LEF,11 x 15" SEF, 11 x 14" SEF, 10 x 15" SEF, 10 x 14" SEF, Postcard SEF Custom size: • Width: 100 to 330.2 mm (4 to 13 in.) • Length: 39.7 to 487.7 mm (1.5 to 19 in.)
Paper tray capacity	Tray1: 2500 sheets Tray2: 2500 sheets
Power source	AC100 to 120V±10%
Power consumption	Less than 860W
Dimensions (W	1024 x 730 x 1000 mm (40 x 29 x 39 in.)

Item	Specifications
x D x H)	
Weight	Less than 255 kg (561 lb.)

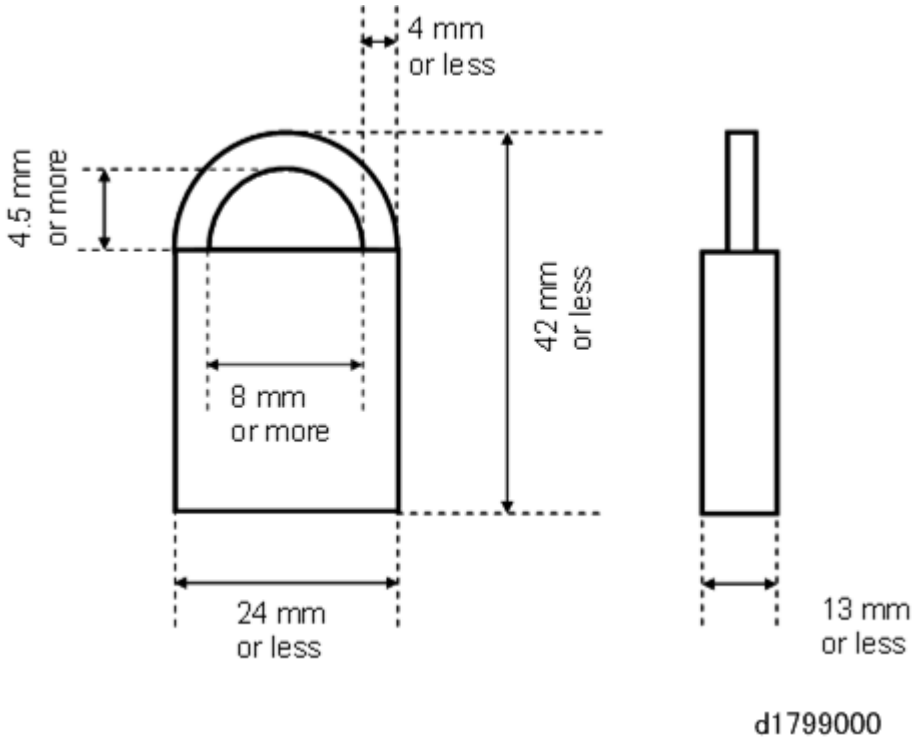
LCIT RT5070

item	Specification
Dimensions (W x D x H)	540 x 730 x 1000 mm (21 x 29 x 39 in.)
Weight	Less than 106 kg (223 lb.)
Configuration	Console Type
Power source	From mainframe
Noise (Power level)	TBA
Paper size	A4_LEF, B5_LEF, A5_SEF 8.5”x11”_LEF, 5.5“x8.5“_SEF Large Size Papers: 305.0 x 230 mm (12 x 9 in.) Require SP code setting
Paper weight	4th tray: 52.3-216.0 g/m^2 14lb Bond - 80lb Cover 5th tray: 52.3-216.0 g/m^2 14lb Bond - 80lb Cover 6th tray: 52.3 -163.0 g/m^2 14lb Bond - 90lb Index
Paper capacity	4th tray: 1100 sheets 5th tray: 1100 sheets 6th tray: 2800 sheets (Paper 0.1mm thick)
Air Assist Paper Pickup	No
Tray Security Lock	Yes (all tray) *[1]

*[1]: Recommended Lock Type

The following lock is recommended. Please procure it locally.

- ABUS Lock: T84MB (20mm)
- See the following drawing for alternative.



LCIT RT5080

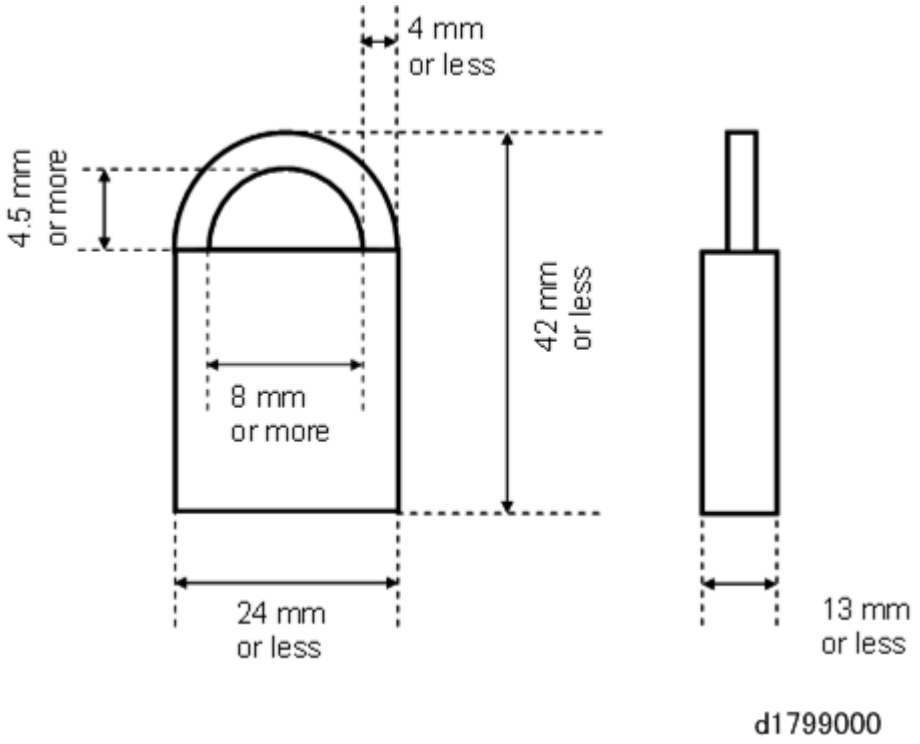
Item	Specification
Dimensions (W x D x H)	865 x 730 x 1,000 mm (34 x 29 x 39 in.)
Weight	Less than 185 Kg (407 lb.)
Configuration	Console Type
Power source	From mainframe
Paper size	A5 (LEF)/5.5”x8.5” (LEF) – 13” x 19.2”(SEF) Custom Size Paper • Width: 100.0 to 330.2 mm (3.94 to 13.00 in.) • Length: 139.7 to 487.7 mm (5.50 to 19.20 in.) Paper narrower than 139.2 mm (5.5 in.) needs attachment
Paper weight	40-300 g/m^2 11lb Bond -110lb Cover
Paper capacity	4th tray: 1100 sheets 5th tray: 2200 sheets 6th tray: 1100 sheets Paper less than 0.1 mm thick
Paper weight	4th tray: 52-256 g/m^2 14lb Bond - 95lb Cover 5th tray: 40-300 g/m^2 11lb Bond - 110lb Cover

Item	Specification
	6th tray: 52-256 g/m^2 14lb Bond - 95lb Cover
Air Assist Paper Pickup	Yes (all tray)
Tray Security Lock	Yes (all tray) *1
Active Tray LED	Yes

*1: Recommended Lock Type

The following lock is recommended. Please procure it locally.

- ABUS Lock: T84MB (20mm)
- See the following drawing for alternative.



High Capacity Stacker SK5030

Item	Specification	Notes
Configuration	Console type	
Speed	169 to 758mm/s	
Dimension (W x D x H)	900×730×1000 mm (35 x 29 x 39 in.)	
Weight	Stacker: less than 120 kg (264 lb.)	Cart: less than 15 kg (33 lb.)
Power Supply	NA: AC100V, 50/60Hz EU: AC200V, 50/60Hz	DC power supply from the main machine: 5V AC power supply: no supply from the main machine

Item		Specification	Notes
Power Consumption		Less than 104W	
Shift Tray			
Stack capacity	5,000 sheets	A3 (max.13"×19.2"),A3 SEF,B4 SEF,A4 SEF, A4 LEF,DLT SEF,LG SEF,T SEF,LT LEF	In 0.1mm paper More than 80 g/m^2 : provisions in weight
	2,500 sheets	B5 SEF,B5 LEF,A5 SEF,A5 LEF,HLT SEF,HLT LEF	
Paper size		331×488mm (13"×19.2") to A5	
Paper weight		40 to 400 g/m^2	Less than 52 g/m^2/more than 350 g/m^2: paper type is limited.
Proof Tray			
Stack capacity		250 sheets (more than A4,LT)	In 0.1mm paper More than 80 g/m^2 : provisions in weight
Paper size		331x488mm (13”x19.2”) to A6 SEF / postcard	
Paper weight		40 to 400 g/m^2	Less than 52 g/m^2/more than 350 g/m^2: paper type is limited.
Relay path			
Paper size		331×488mm (13"×19.2") to A6SEF/ postcard	
Stack capacity		40 to 400g/m^2	Less than 52 g/m^2/more than 350 g/m^2: paper type is limited.

Cover Interposer Tray CI5030

Item	Specification	Notes
Dimension (W x D x H)	540 x 730 x 1290 mm (21 x 29 x 51 in.)	
Weight	Less than 45 kg (99 lb.)	
Power Source	From mainframe	
Paper Size	A5/HLT – 13” x 19.2” Custom Size Paper • Width: 139.7 to 330.2 mm (5.50 to 13.00 in.) • Length: 139.7 to 487.7 mm (5.50 to 19.20 in.)	
Paper weight	64 – 216 g/m^2 17 –58lb Bond /110 lb index	
Paper capacity	200 sheets x 2 trays	20lb, 80 g/m^2
Original set position	Center position	
Original Set	Face Up, First sheet on top	
Size change	Touch screen	User changeable

Booklet Finisher SR5060

Basic Specifications

Item		Specification
Dimensions (W x D x H)		996 x 730 x 1126 mm (39 x 29 x 44 lb.) *Not includes projections. When all extendable trays are closed.
Weight		Less than 112 kg (246 lb.)
Configuration		Console type
Power Source		NA: 120-240V EU/AP: 220-240V
Power Consumption		Less than 150W (Excluding peak consumption)
Output Jogger		Standard
Staple Position Adjustment		Yes (Two position staple only)
Proof Tray	Stack capacity (80 g/m^2, 20 lb.Bond)	• Max.: 330.2 x 487.7 mm (13" x 19.2") • Min.: A5 148 x 210 mm (14.8" x 21") 250 sheets: Without folding (A4, 8 1/2” x 11 or smaller) 50 sheets: Without folding (B4, 8 1/2” x 14” or larger) 30 sheets: Z folding (B4 or larger) 20 sheets: Z folding (A4SEF, LTSEF)
	Paper Size	<Without Z-folding>
		A3 SEF, A4 LEF, SEF, A5 LEF, SEF, A6 SEF, B4 SEF, B5 LEF, SEF, B6 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x13" SEF, 8 1/2"x11" LEF, SEF, 8 1/4"x14" SEF, 8 1/4"x13" SEF, 8"x13" SEF, 8"x10" LEF, SEF, 7 1/4"x10 1/2" LEF, SEF, 5 1/2"x8 1/2" LEF, SEF, Postcard SEF, 8K SEF, 16K LEF, SEF, 12"x18" SEF, 11"x15" SEF, 11"x14" SEF, 10"x15" SEF, 10"x14" SEF, 13"x19 1/5" SEF, 13"x19" SEF, 12 3/5"x19 1/5" SEF, 12 3/5"x18 1/2" SEF, 13"x18" SEF, SR A3 SEF, SR A4 LEF, SEF, 226x310 mm LEF, SEF, 310x432 mm SEF, Custom Size
		<With Z-folding>
		A3 SEF, B4 SEF, A4 SEF, 12x18 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x11" SEF, 8K SEF
	Paper weight	Without Z-folding: • 52 g/m^2-216g/m^2 • 16-40 lb. Bond, 50-80 lb. Cover, 90-110 lb. Index Z-folding: 64-105 g/m2, 20lb Bond
Shift Tray	Stack capacity	2,500 sheets: A4 LEF, B5 LEF, 8 1/2” x 11 LEF 1,500 sheets: A3, A4 SEF, B4, B5 SEF, 11” x 17” SEF, 8 1/2 “ x 11” SEF, SRA4, 226 x 310 mm

Item		Specification
		1,000 sheets: 12” x 18”, SRA3, 13”x18”, 12.6”x18.5”, 12.6”x19.2”, 13”x19”, 13” x 19.2”, 310 x 432mm 500 sheets: A5 LEF, 5 1/2” x 8 1/2” LEF 100 sheets: A5 SEF, 5 1/2” x 8 1/2” SEF 30 sheets : Z-folding paper
	Paper size	Without Z-folding: • Max. Up to 330.2 x 487.7 mm (13" x 19.2"), Banner Sheet: 330.2 x 700 mm (13" x 27.55" • Min.: 139.7 x 139.7 mm (5.5" x 5.5")
		With Z-folding: • Max.: Up to 304 x 457 mm (12" x 18") • Min.:139.7 x 139.7 mm (5.5" x 5.5") A3, B4, A4, DLT, LG LT SEF, 12"x18", 8-kai
	Paper weight	Without Z-folding: 40-400 A3, B4, A4, DLT, LG LT SEF, 12"x18", 8-kai (The machine does not support paper thicker than 300 g/m2) Z-folding: 64-105 g/m^2, 18-28lb Bond

Note

- The capacity to be calculated with 80g/m^2, 20lb Bond paper.

Staple specifications

Item		Specification
Paper size		B5-A3 8 1/2” x 11” – 11” x 17”
Paper weight		Without Z-folding: 64-80g/m2 (17-22 lb.Bond) Z-folding: 64-105 g/m2 (17-28 lb Bond)
Staple position		Top, Bottom, 2 Staples, Top-slant
Staples Capacity*	A4, B5, 8 1/2” x 11”	2-100 sheets
	A3, B4 11”x17”, 8 1/2”x14”	2-50 sheets
	Z-folding	10 sheets
Staple Replenishment		Cartridge exchange / 5000 staples per cartridge

Note

- The capacity to be calculated with 80g/m2, 20 lb Bond paper.

Saddle stitch specifications

Item	Specification
Paper size	B5-SRA3

1.Appendices: Specifications

Item		Specification
		8 1/2”x11”-13”x19.2” Custom Size • Length: 257 to 487.7 mm (10 x 19 in.) • Width: 182 to 330.2 mm (7 x 13 in.)
Paper weight		64-90 g/m^2 (18-24 lb.Bond)
Staple position		Center 2 position
Staples Capacity*	64-80g/m2 (18-20lb Bond)	20 sheets
	80-90g/m2 (20-24lb Bond)	15 sheets
	Cover Sheet	One cover sheet (up to 163 g/m^2) can be included in the above stapling capacity.
Staple Replenishment		Cartridge exchange / 5000 staples per cartridge

Punch specifications (Option)

	Specification	Remarks
Number of Punch	• NA: 2 or 3 holes • EU: 2 or 4 holes • Scandinavian: 4 holes	Punch option is required.
Punch Registration	Yes (Resist Roller and Side Registration Sensor)	
Max. Thickness	2 or 3 holes: 52 -209 g/m^2 4 holes: 52 - 163 g/m^2	
Supported model	Pro 8200S 96 ppm Pro 8210S/8210Y 111 ppm Pro 8220S/8220Y 136 ppm	
Performance	Same as engine speed (96, 111, 136 ppm)	

Stack Capacity After Finishing

	Paper size	# of Pages per set	# of Sets
Without Z-folding	A4 LEF, B5 LEF 8 1/2” x 11” LEF	20-100	125-25
		10-19	200-105
		2-9	150
	A4 SEF, B5 SEF 8 1/2” x 11” SEF	10-100	150-15
		2-9	150
	A3, B4 11” x 17”, 8 1/2” x 14”	10-50	150-30
		2-9	150

	Paper size	# of Pages per set	# of Sets
When mix-sized	A3 & A4, B4 & B5 11” x 17 & 11” x 8 1/2”	2-50	30
With Z-folding (One size or mix-sized)	One size • A3 Z-folding & A4 • B4 Z-folding & B5 • 11” x 17” Z-folding + • 11” x 8 1/2”	1-10	30-3
When Saddle Stitch	All sizes	2-5	45
		6-10	23
		11-15	15
		16-20	10
	Limitless stack mode	supported	

Finisher SR5050

Basic Specifications

Item		Specification	
Dimensions (W x D x H)		996 x 730 x 1126 mm (39 x 29 x 44 in.) *Does not include projections. All trays are closed.	
Weight		Less than 112 kg (246 lb.)	
Configuration		Console type	
Power Source		NA: 120-240V EU/AP: 220-240V	
Power Consumption		Less than 150W (Excluding peak consumption)	
Output Jogger		Standard	
Staple Position Adjustment		Yes (Two position staple only)	
Proof Tray	Stack capacity	250 sheets Without folding (A4, 8 1/2” x 11 or smaller) 50 sheets Without folding (B4, 8 1/2” x 14” or larger) 30 sheets Z folding (B4 or larger) 20 sheets Z folding (A4 SEF, LT SEF)	80g/m^2, 20 lb.Bond
	Paper size	<Without Z-folding> • Max. Up to 330.2 x 487.7 mm (13" x 19.2") • Min. A5 148 x 210 mm (14/8" x 21")	
		A3 SEF, A4 LEF, SEF, A5 LEF, SEF, A6 SEF, B4 SEF, B5 LEF, SEF, B6 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x13" SEF, 8 1/2"x11" LEF, SEF, 8 1/4"x14" SEF, 8 1/4"x13"	

Item		Specification
		SEF, 8"x13" SEF, 8"x10" LEF, SEF, 7 1/4"x10 1/2" LEF, SEF, 5 1/2"x8 1/2" LEF, SEF, Postcard SEF,8K SEF, 16K LEF, SEF, 12"x18" SEF, 11"x15" SEF, 11"x14" SEF, 10"x15" SEF, 10"x14" SEF, 13"x19 1/5" SEF, 13"x19" SEF, 12 3/5"x19 1/5" SEF, 12 3/5"x18 1/2" SEF, 13"x18" SEF, SR A3 SEF, SR A4 LEF, SEF, 226x310 mm LEF, SEF, 310x432 mm SEF, Custom Size
		<With Z-folding>
		A3 SEF, B4 SEF, A4 SEF, 12x18 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x11" SEF, 8K SEF
	Paper weight	Without Z-folding • 52 g/m^2-216g/m^2 16-40 lb. Bond, 50-80 lb • Z-folding: 64-105 g/m^2, 20lb Bond • Cover, 90-110 lb. Index
Shift Tray	Stack capacity	3000 sheets: A4 LEF, B5 LEF, 8 1/2” x 11 LEF 1,500 sheets: A3, A4 SEF, B4, B5 SEF, 11” x 17” SEF, 8 1/2 “ x 11” SEF, SRA4, 226 x 310 mm 1,000 sheets: 12” x 18”, SRA3, 13”x18”, 12.6”x18.5”, 12.6”x19.2”, 13”x19”, 13” x 19.2”, 310 x 432 mm
		500 sheets: A5 LEF, 5 1/2” x 8 1/2” LEF 100 sheets: A5 SEF, 5 1/2” x 8 1/2” SEF 30 sheets : Z-folding paper
	Paper size	Without Z-folding: • Max.: 330.2 x 700.0 mm (13" x 27.55") for Banner Sheet • Min.: 139.7 x 139.7 mm (5.5" x 5.5")
		A3 SEF, A4 LEF, SEF, A5 LEF, SEF, A6 SEF, B4 SEF, B5 LEF, SEF, B6 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x13" SEF, 8 1/2"x11" LEF, SEF, 8 1/4"x14" SEF, 8 1/4"x13" SEF, 8"x13" SEF, 8"x10" LEF, SEF, 7 1/4"x10 1/2" LEF, SEF, 5 1/2"x8 1/2" LEF, SEF, Postcard SEF, 8K SEF, 16K LEF, SEF, 12"x18" SEF, 11"x15" SEF, 11"x14" SEF,10"x15" SEF, 10"x14" SEF, 13"x19 1/5" SEF, 13"x19" SEF, 12 3/5"x19 1/5" SEF, 12 3/5"x18 1/2" SEF, 13"x18" SEF, SR A3 SEF, SR A4 LEF, SEF, 226x310 mm LEF, SEF, 310x432 mm SEF, Custom Size
		With Z-folding: • Max.: 304 x 457 mm (12" x 18") • Min.: 139.7 x 139.7 mm (5.5" x 5.5")
		A3 SEF, B4 SEF, A4 SEF, 12x18 SEF, 11"x17" SEF, 8 1/2"x14" SEF, 8 1/2"x11" SEF, 8K SEF
	Paper weight	Without Z-folding: 40-400 g/m^2 Note: The machine does not support paper thicker than 300 g/m^2 Z-folding: 64-105 g/m2, 18-28lb Bond

Note

- The capacity to be calculated with 80g/m^2, 20lb Bond paper.

Staple specifications

Item		Specification
Paper size		B5-A3: 8 1/2” x 11” – 11” x 17”
Paper weight		Without Z-folding: 64-80g/m^2 17-22 lb.Bond Z-folding: 64-105 g/m^2 17-28 lb Bond
Staple position		Top, Bottom, 2 Staples, Top-slant
Staples Capacity*	A4, B5, 8 1/2” x 11”	2-100 sheets
	A3, B4 11”x17”, 8 1/2”x14”	2-50 sheets
	Z-folding	10 sheets
Staple Replenishment		Cartridge exchange / 5,000 staples per cartridge

Note

- The capacity to be calculated with 80 g/m^2, 20 lb.Bond, 20lb Bond paper.

Punch Specifications (Option)

Item	Specification
Number of Punch	• NA: 2 or 3 holes • EU: 2 or 4 holes • Scandinavian: 4 holes
Punch Registration	Yes (Resist Roller and Side Registration Sensor)
Max. Thickness	2 or 3 holes: 52 -209 g/m^2 4 holes: 52 - 163 g/m^2
Supported model	• Pro 8200S 96 ppm • Pro 8210S/8210Y 111 ppm • Pro (8220S/8220Y 136 ppm)
Performance	Same as engine speed (96/111/136 ppm)

Stack Capacity After Finishing

	Paper size	# of Pages per set	# of Sets
Without Z-folding	A4 LEF, B5 LEF 8 1/2” x 11” LEF	20-100	150-30
		10-19	200-105
		2-9	150
	A4 SEF, B5 SEF 8 1/2” x 11” SEF	10-100	150-15
		2-9	150
	A3, B4	10-50	150-30

	Paper size	# of Pages per set	# of Sets
	11” x 17”, 8 1/2” x 14”	2-9	150
When mix-sized	A3 & A4, B4 & B5 11” x 17 & 11” x 8 1/2”	2-50	30
With Z-folding (One size or mix-sized)	One size A3 Z-folding & A4 B4 Z-folding & B5 11” x 17” Z-folding + 11” x 8 1/2”	1-10	30-3

Multi-Folding Unit FD5020

Item		Specification	Notes
Folding Type	Single Sheet	Z-fold, Half fold/Print inside, Half fold/Print outside, Letter fold-in/Print inside, Letter fold-in/Print outside, Letter fold-out, Double Parallel/Print inside, Double Parallel/Print outside, Gate Fold/Print inside, Gate Fold/Print outside	
	Multiple Sheets	Up to 3 sheets Half fold/Print inside, Half fold/Print outside, Letter fold-in/Print inside, Letter fold-in/Print outside, Letter fold-out,	Coated paper is supported also.
Paper Size	Single Sheet Mode	Z folding: B4, A4, A3, 8.5"x11", 8.5"x14", 11"×17",12"x18"	*Multi-folding unit does not support custom paper size.
		Half folding: • B5, B4, A4, A3, 8.5"×11", 8.5"x14", 11"×17", • 12"×18", 12.6"x18.5", 12.6"x19.2", 13"x18", 13"x19", • 13"x19.2", 226x310mm, 310x432mm, SRA3, SRA4	
	Single Sheet Mode	Letter folding in/out: B5, A4, 8.5"x11"	
		Double parallel: B5, B4, A4, A3, 8.5"×11", 8.5"x14",11"x17", 12"x18"	
		Gate folding: B5, A4, 8.5"x11", 11"x17" 12"×18"	
Paper Size	Multiple Sheet Mode	Half folding: • B5, B4, A4, A3, 8.5"x11", 8.5"x14", 11"x17", • 12"x18", 12.6"x18.5", 12.6"x19.2", 13"x18", 13"x19", • 13"x19.2", 226x310mm, 310x432mm, SRA3, SRA4	
		Letter folding in: B5, A4, 8.5"x11"	
		Letter folding out: B5, A4, 8.5"x11"	
Paper Weight	Single Sheet Mode	64-105 g/m^2	

Item		Specification	Notes
	Multiple Sheet Mode	64-80 g/m^2	
Power Supply		NA: 120V, 50/60Hz EU: 220-240V, 50/60Hz	
Power Consumption		270 W	
Dimension (W x D x H)		470 x 730 x 1000 mm (19 x 29 x 29 in.)	
Weight		Less than 92 kg (202 lb.)	

Perfect Binder (GB5010)

Item		Specification	
Dimensions (W x D x H)		1090 x 791 x 1387 mm (43 x 31 x 55 in.)	
Weight		Less than 350 kg (770 lb.)	
Configuration		Console type	
Power consumption		Less than 623W	
Power Supply		200-240V (NA), 220-240V (EU), 50/60Hz	
Cutting directions		3 edges, 1 edges, None	
Booklet size		Width: 201-297 mm (8 x 11^1/$_2$ in.) Length: 139.7-216 mm (5^1/$_2$ x 8^1/$_2$ in.)	
Booklet thickness		Less than 23 mm (0.90 in.)	
Body pages	Paper weight	64-163 g/m^2 20-40lb.Bond, 90lb.Index, 50-60lb.Cover *106-163 g/m^2 paper: Up to 10 sheets as chapter pages	
	Paper size	Width: 257-320 mm (10 - 12.6 in.) Length: 182-228.6 mm (7 - 9 in.)	
	Capacity	Max 200 sheets 64-80g/m^2: 10-200 sheets (20-400 pages in DPX) 81-105g/m^2:10-150 sheets (20-300 pages in DPX)	
Cover pages	Paper weight	90-300 g/m^2 24-40lb.Bond, 90-140lb.Index, 50-100lb.Cover	
	Paper size	Width: 257-330.2 mm (10 - 13 in.) Length: 364-487.7 mm (14 - 19.2 in.)	
Interposer tray	Capacity	200 sheets x 2 (90g/m^2)	*Total load must be under 24 mm
Trimming		Top/Bottom Edge: 6-28 mm Fore Edge: 6-50 mm	
Stack capacity	50 sheets/booklet	13 booklets	*80 g/m^2 paper

Item		Specification	
	100 sheets/booklet	7 booklets	
	200 sheets/booklet	4 booklets	
Warm-up Time		Less than 380 sec	
Glue Capacity		380 g	

Cover Interposer Tray for Perfect Binder Type S1

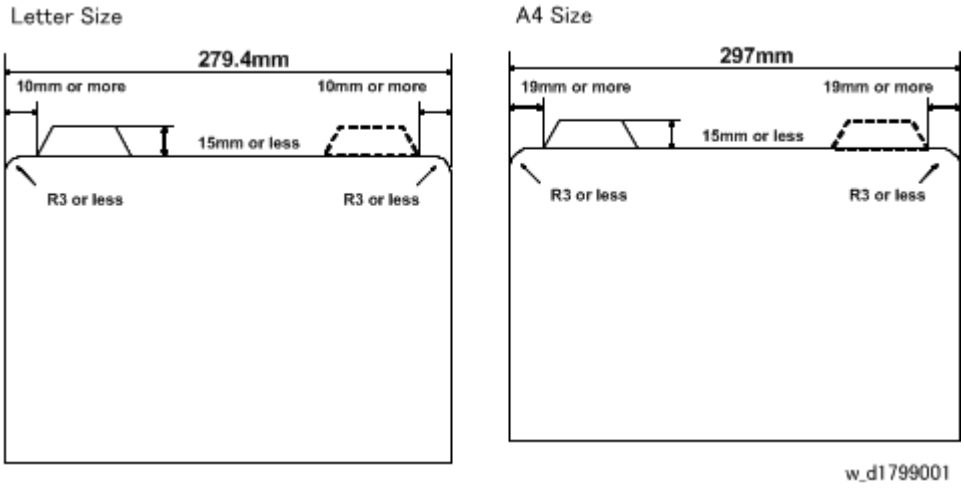
Feed System	Automatic Paper Feed
Trays	Two. Tray A (upper), Tray B (lower)
Cover Setting	Face-up stacking
Feed	Top to bottom
Transport Mode	Simplex
Cover Paper Type	Standard PPC, Color Paper, Coated Paper
	Paper type mixing not recommended
Cover Size	Standard: A4 SEF, A4 LEF, B5 SEF, B5 LEF, LT SEF, LT LEF, EXE SEF
	Width: 257 to 330.2 mm (10 - 13 in.)
	Length: 182 to 487.7 mm (7 to 19 in.)
	Recommended: 13"x19.2", 13"x19", 13"x18", A3, B4
Tray A, B Capacity	Up to 200 covers (80 g/m^2)
	Maximum stack thickness: 24 mm
Paper Weight	64 g/m^2 to 300 g/m^2
Paper Positioning	Center aligned
Paper Size Detection	Width: Adjustable slide-fence contact sensors
	Tray A, Tray B: 1 sensor each
	Length: Pulse count photo-sensors
Size (w x d x h)	621 x 679 x 213 mm (24.5 x 26.7 x 8.4 in.)
Weight	Approximately 17 kg (37.4 lb)
Power Supply	DC 24V (supplied from host machine via Perfect Binder)
Power Consumption	Less than 103 W (maximum at operation)

Ring Binder RB5020

Item	Specification
Dimensions (W x D x H)	870 x 730 x 1010 mm (34 x 29 x 40 in.)
Weight	Less than 140 kg (308 lb.)
Configuration	Console type
Power consumption	Less than 400W
Power Supply	100-240V, 50/60Hz

Item			Specification	
Paper size	Binding mode		A4_LEF, 8 1/2” x 11” LEF	
	Punching mode		A4_LEF, 8 1/2” x 11” LEF	
Paper weight	Binding mode		64-216 g/m^2 20-40lb.Bond, 90-110 lb. Index, 50-80 lb. Cover	
	Punching mode		64-216 g/m^2 20-40lb.Bond, 90-110 lb. Index, 50-80 lb. Cover	
Capacity of ring bind			2-100 sheets	
Number of holes	8 1/2” x 11”		21 holes	
	A4		23 holes	
Ring Supply	Type	NA	• 8 1/2” x 11”, Black, 50 sheets • 8 1/2” x 11”, Black, 100 sheets • 8 1/2” x 11”, White, 50 sheets • 8 1/2” x 11”, White, 100 sheets	
		EU	• A4, Black, 50 sheets • A4, Black, 100 sheets • A4, White, 50 sheets • A4, White, 100 sheets	
	Replenishment		Cartridge exchange	*80 sets/cartridge
TAB Stock			Supported*[1]	
Stack capacity	Binding mode		11 sets	*100 sheets /set
	Punching mode		100 sheets (200 pages in DPX)	

*[1]: The drawing below shows supported tab stock dimensions.



Trimmer Unit TR5040

Item	Specification	Notes
Dimension (W x D x	1115 x 591 x 555 mm (44 x 23 x 22 in.)	

Item	Specification	Notes
H)		
Weight	75 kg (165 lb.)	
Configuration	Console type / Optional unit for Finisher	Finisher SR5060 is necessary
Power consumption	Universal Power Supply 100V – 240V NA: 60Hz EU: 50Hz Ave. 75W, Max. 250W	Plug
Trimming Type	One side edge	
Trimming Capacity	1-20 sheets (2-40 pages after folding)	20lb, 80g/m^2
Paper Size	13 x 19.2”, 13 x 19”, 12.6 x 19.2”, 12.6 x 18.5” 13 x 18”, SRA3(320 x 450mm), 12 x 18”, A3, B4 SRA4 (320 x 225 mm), 226 x 310 mm, 310 x 432 mm, A4, B5, DLT, LG, LT Custom Size • Width: 182 to 330 mm (7.2 to 13 in.) • Length: 257 to 488 mm (10 to 19 in.)	*sizes before folding
Stack Capacity	• 1 sheet: 60 sets*1 • 2 - 5 sheets: 60 sets • 6 - 10 sheets: 35 - 40 sets*1 • 11 - 20 sheets: 20 - 25 sets*1	
Stacker Full Detection	Yes	
Limitless Stack	Yes*2	

*1: The stack capacity varies with sheet size.

*2: Hardware modification by service engineer is necessary (not operator).

2. Appendices: Preventive Maintenance Tables

PM Tables

PM Parts List Key

Column	Meaning	
Part	Name of the component, unit, name of part	
By	Person responsible	
	S	Service technician (CE)
	U	User
	T	TCRU trained user
At	Interval for checking, cleaning, replacement. Example: 860 K (309 Km) • You may see two notations for some parts. • The K notation for the number of sheets (806 K) recorded by **SP7621** • The km (distance) notation (309 Km) is recorded by **SP7940**. • Where these notations are used together, do the procedure for whichever count occurs first.	
Action	What is required'	
	●	Replace after total page count elapses
	◎	Replace according to machine log count (sheet count, distance count, whichever occurs first)
	▲	Must inspect, clean, lubricate (if applicable)
	△	Inspect, clean, lubricate (if applicable) as necessary
	R	Must replace
Comment	Materials required for cleaning, lubrication, etc.	

Optics

Part	By	At	Action	Comments
White Plate (under ADF)	S	1200K	▲	Lens cloth*1
1st Mirror	S	1200K	▲	Lens cloth*1
2nd Mirror	S	1200K	▲	Lens cloth*1
3rd Mirror	S	1200K	▲	Lens cloth*1
Original Width Sensors (APS)	S	600K	▲	Wipe clean
Exposure Glass*2	S,U	600K	△	Glass cleaner
Guide Rail (2-level both ends)	S	1200K	▲	Dry cloth*3
Contact Glass	SU	600K	△	Glass cleaner
Toner Shield Glass*1*2	S	600K	△	Lens cloth*1

Part	By	At	Action	Comments
	S	1200K	▲	Lens cloth*1

*1: Lens cloth A0129111

*2: Inspect, clean every PM visit

*3: Never use alcohol

Development Unit

Part	By	At	Action	Comments
Developer	ST	860K (309 Km)	◎	Stored empty developer bottle*1
Gears	S	600K	▲	Dry cloth
Toner Supply unit	S	600K	▲	Dry cloth
Doctor blade	S	600K	▲	Clean before developer replacement

*1 You will need the empty developer bottle stored with the machine after installation to hold the old developer drained from the development unit.

Around the Drum

Part	By	At	Action	Comments
Drum Cleaning Unit*2		---		
Cleaning Blade*1	S	600 K (235 Km)	◎	
Lubrication Brush Roller*1	S	600 K (235 Km)	◎	
Lubrication Bar*1	S	600 K (235 Km)	◎	
Lubrication Blade*1	S	600 K (235Km)	◎	
Brush Roller Coupling*1	S	1800 K (704 Km)	◎	
Gears*1	S	600 K (235Km)	◎	
Charge Corona Unit*2		---		
Corona Wire	S	1000 K (391 Km)	◎	
Grid	S	1000 K (391 Km)	◎	
Wire Cleaner, Grid Cleaner		1000 K (391 Km)	◎	
Drum*1	S, T	2500 K (978 Km)	◎	
Potential Sensor	S	1200 K	△	Dry cloth
Quenching Lamp	S	1200 K	△	
Used Toner Bottle	S, U	1200 K	**R**	

*1: These parts must always be replaced together as a set.

*2: TCRU operator can replace entire unit.

Image Transfer Unit and Paper Separation

Part	By	At	Action	Comments
Image Transfer Belt (ITB)	S	2400 K (939 Km)	◎	
ID Sensor	S	600K	▲	Dry cloth
Belt Centering Sensor	S	1200K	▲	Blower brush
ITB Unit Internal Rollers	S	1200K	△	Dry cloth
Image Transfer Roller	S	1350K	◎	
ITB Cleaning Unit*1	---	---		
ITB Cleaning Blade*2	S	600K (235 Km)	◎	
ITB Lubricant Brush Roller*2	S	600K (235 Km)	◎	
ITB Lubricant Bar*2	S	600K (235 Km)	◎	
ITB Lubricant Blade*2	S	600K (235 Km)	◎	
PTR Cleaning Unit*1	---	---		
PTR Cleaning Blade*2	S	600K (235 Km)	◎	
PTR Lubricant Bar*2	S	600K (235 Km)	◎	
Lubricant Brush Roller*2	S	600K (235 Km)	◎	
Separation Unit	S	600K (235 Km)	◎	
Paper Transfer Roller	S	800K (313 Km)	◎	
Gears	S	3000K (1173 Km)	◎	
PTB Paper Sensors	S	600K	▲	

*1: TCRU operator can replace entire unit.

*2: These parts must always be replaced together as a set.

Fusing Unit

Part	By	At	Action	Comments
Fusing Unit*1				
Fusing Belt	S	1100K (935 Km)	◎	
Hot Roller	S	1800K (1530 Km)	◎	
Pressure Roller	S	1100K (935 Km)	◎	
Pressure Roller Bearings	S	1100K (935 Km)	◎	
Hot Roller Separation Plate	S	600K	▲	Dry cloth
Pressure Roller Pick-off	S	600K	▲	

Part	By	At	Action	Comments
Pawls				
Fusing Unit Entrance Guide	S	600K	▲	
Heating Roller Thermistor	S	1100K	▲	Dry cloth, always clean at PM
Pressure Roller Thermistor	S	1100K	▲	
Main Gears*2	S	1100K	▲	
Hot Roller Bearings	S	1100K	▲	
Heating Roller Bearings	S	1100K	▲	
Heating Roller Bushings	S	1100K		Always inspect at PM
Web Cleaning Unit*1		---		
Cleaning Web	S	750 K (271 Km)	◎	
Web Tension Roller	S	3190K (2712 Km)	◎	
Fusing Thermopiles	S	600K	▲	Alcohol damp cloth to remove toner and paper dust

*1 TCRU operator can replace entire unit.

*2 Use Fluotribo MG grease, with about 4±0.8 g on the pressure roller drive gear and 1.5±0.3 g on the idle reduction gear.

Other

Part	By	At	Action	Comments
Dust Filters (large)	S	1200K	◎	
Dust Filters (small)	S	600K	◎	
PCDU	S	10500K	◎	Target*1

*1 10500K is the target service life. Unit may require earlier replacement if operation is incorrect.

Main Paper Trays (x3)

Part	By	At	1000K	Comments
1st Pick-up Roller	S,T	①	**R**	Wipe clean, dry cloth ③
1st Feed Roller	S,T	①	**R**	
1st Separation Roller	S,T	①	**R**	
2nd Pick-up Roller	S,T	①	**R**	Wipe clean, dry cloth ③
2nd Feed Roller	S,T	①	**R**	
2nd Separation Roller	S,T	①	**R**	
3rd Pick-up Roller	S,T	①	**R**	Wipe clean, dry cloth ③

Part	By	At	1000K	Comments
3rd Feed Roller	S,T	①	**R**	
3rd Separation Roller	S,T	①	**R**	
1st Feed Guide Plate	S	②		Wipe clean, dry cloth
1st Feed Sensor	S,T	①		Blower brush for paper dust
1st Paper End Sensor	S,T	①		Blower brush for paper dust
1st Grip Drive Roller	S	②		Wipe clean, dry cloth
1st Grip Idle Roller	S	②		Wipe clean, dry cloth
2nd Feed Guide Plate	S	②		Wipe clean, dry cloth
2nd Feed Sensor	S,T	①		Blower brush for paper dust
2nd Paper End Sensor	S,T	①		Blower brush for paper dust
2nd Grip Drive Roller	S	②		Wipe clean, dry cloth
2nd Grip Idle Roller	S	②		Wipe clean, dry cloth
3rd Feed Guide Plate	S	②		Wipe clean, dry cloth
3rd Feed Sensor	S,T	①		Blower brush for paper dust
3rd Paper End Sensor	S,T	①		Blower brush for paper dust
3rd Grip Drive Roller	S	②		Wipe clean, dry cloth
3rd Grip Idle Roller	S	②		Wipe clean, dry cloth
Vertical Transport Guide Plate	S	②		Wipe clean, dry cloth
Vertical Transport Sensors	S	②		Blower brush for paper dust
Vertical Transport Drive Rollers	S	②		Wipe clean, dry cloth
Vertical Transport Idle Rollers	S	②		Wipe clean, dry cloth

①: Inspect every **100K** and clean if necessary.

②: Inspect after first **600K** and then every **300K** thereafter and clean if necessary.

③: Replace all three parts together if frequent jams, double feeds occur.

Main Paper Feed Path

Part	By	At	Comments
Transfer Timing Drive Roller	S	②	Wipe clean, dry cloth
Transfer Timing Idle Roller	S	②	Wipe clean, dry cloth
Registration Gate Driver Roller	S	②	Wipe clean, dry cloth
Registration Gate Idle Roller	S,T	①	Wipe clean, dry cloth
Registration Timing Drive Roller	S	②	Wipe clean, dry cloth
Registration Timing Idle Roller	S,T	①	Wipe clean, dry cloth
Registration Entrance Drive Roller	S	②	Wipe clean, dry cloth
Registration Entrance Idle Roller	S,T	①	Wipe clean, dry cloth
Main Relay Drive Roller	S	②	Wipe clean, dry cloth
Main Relay Idle Roller	S,T	①	Wipe clean, dry cloth

Part	By	At	Comments
LCIT Entrance Drive Roller	S	②	Wipe clean, dry cloth
LCIT Entrance Idle Roller	S,T	①	Wipe clean, dry cloth
Dust Collection Unit	S	②	Wipe clean, dry cloth
Transfer Timing Sensor	S	②	Blower brush for paper dust
Registration Timing Sensor	S,T	①	Blower brush for paper dust
Main Relay Sensor	S	②	Blower brush for paper dust
LCIT Relay Sensor	S	②	Blower brush for paper dust
Double Feed Sensor Pair	S	②	Blower brush for paper dust
CIS	S	②	Blower brush for paper dust

①: Inspect every 100K and clean if necessary.

②: Inspect after first 600K and then every 300K thereafter and clean if necessary.

Paper Exit

Part	By	At	Comments
Cooling Roller	S	②	Wipe clean, dry cloth
Cooling Belt	S	②	Wipe clean, dry cloth
Exit Relay Drive Roller	S,T	①	Wipe clean, dry cloth
Exit Relay Idle Roller	S,T	①	Wipe clean, dry cloth
Exit Drive Roller	S,T	①	Wipe clean, dry cloth
Exit Idle Roller	S,T	①	Wipe clean, dry cloth
Inverter Entrance Drive Roller	S	②	Wipe clean, dry cloth
Inverter Entrance Idle Roller	S	②	Wipe clean, dry cloth
Inverter Exit Drive Roller	S	②	Wipe clean, dry cloth
Inverter Exit Idle Roller	S	②	Wipe clean, dry cloth
Exit/Invert Drive Roller	S,T	①	Wipe clean, dry cloth
Exit/Invert Idle Roller	S,T	①	Wipe clean, dry cloth
Exit Junction Gate Sensor	S,T	①	Blower brush for paper dust
Exit Sensor	S,T	①	Blower brush for paper dust
Exit/Invert Sensor	S	②	Blower brush for paper dust
Purge Relay Sensor	S,T	①	Blower brush for paper dust
Exit Anti-Static Brush	S,T	①	Wipe clean, dry cloth
Invert/Exit Anti-static Brush	S	②	Wipe clean, dry cloth

①: Inspect every **100K** and clean if necessary.

②: Inspect after first **600K** and then every **300K** thereafter and clean if necessary.

Duplex

Part	By	At	Comments
Duplex Switchback Drive Roller	S	②	Wipe clean, dry cloth
Duplex Switchback Idle Roller	S	②	Wipe clean, dry cloth
Duplex Invert Sensor	S	②	Blower brush for paper dust
Purged Paper Sensor	S,T	①	Blower brush for paper dust
Duplex Transport Drive Rollers	S	②	Wipe clean, dry cloth
Duplex Transport Idle Rollers	S,T	①	Wipe clean, dry cloth
Duplex Transport Sensors	S,T	①	Blower brush for paper dust

①: Inspect every **100K** and clean if necessary.

②: Inspect after first **600K** and then every **300K** thereafter and clean if necessary.

ADF

Key: C: Clean at PM, or as necessary, I: Inspect, L: Lubricate, R: Replace,

Part	By	PM	120K	Action
Feed Operation*1	S	I		See Note 1
Covers	S	I/C		Alcohol or water dampened cloth.
Safety*2	S	I		See Note 2
Feed Belt	S	C	R	Alcohol or water dampened cloth.
Pick-up Roller	S	C	R	
Separation Roller	S	C	R	
CIS glass	S,U	I/C		Glass cleaner
Sensors*3	S	C		Blower brush
Platen	S,U	C		Alcohol or water dampened cloth.
Feed Drive Gears	S	L		EM-50L Grease
Feed Rollers*4	S	C		Alcohol or water dampened cloth.
Idle Rollers	S	C		
White Roller	S	C		
White Plate	S	C		

*1 Check basic feed operation for skew, incorrect image registration.

*2 Check for spurious noise during ADF operation.

*3 All sensors in the paper patch: original width sensors, double-feed sensors, exit sensors, etc.

*4 All rollers in the feed unit and original feed path.

PM Tables for Peripherals

Column	Meaning
Part	Name of the component, unit

Column	Meaning	
By	Person Responsible	
	S	Service technician (CE)
	U	User
	T	TCRU trained user
***K**	Interval for checking, cleaning, replacement	
	Example: 300K where K = 1000, or 300,000 printed sheets.	
	I	Inspect
	C	Clean at PM or as necessary
	L	Lubricate
	R	Replace after total count exceeded
Note	What to use, etc. Materials required for cleaning, lubrication, etc.	

Decurl Unit DU5050

Part	By	500K	Note
Transport guide plate	S	I/C	Clean with damp (alcohol or water) cloth
Decurl rollers (drive, idle roller	S	I/C	
Transport rollers (drive, idle roller)	S	I/C	
Purge tray paper sensors (x3)	S	I/C	

Multi Bypass Tray BY5010

The PM interval is for the number of sheets that have been fed.

Part	By	1000K	Note
Pick-up roller	T	I/R	
Paper feed roller	T	I/R	
Separation roller	T	I/R	

- At 1000K, display the PM Counts for the pick-up, feed, and separation rollers.
- Replace if "Target" has been exceeded.
- These rollers are replaced for each paper tray in the main machine.

LCIT RT5070/RT5070

Part	By	100K	1000K	Note
Transport guide plate	S	I/C		Damp cloth
Grip rollers (drive, idle rollers)	S	I/C		
Transport rollers	S	I/C		
Pick-up rollers (4th, 5th, 6th tray)*1	S,T	I/C	R	
Paper feed roller (4th, 5th, 6th tray) *1	S,T	I/C	R	
Separation rollers (4th, 5th, 6th tray) *1	S,T	I/C	R	

Part	By	100K	1000K	Note
Sensors (Feed, Transport, Exit)	S	I/C		Blower brush

*1 Replace these rollers as soon as target service life has been exceeded. May require replacement earlier if double-feeds and jams are occurring frequently.

Vacuum Feed LCIT RT5100

Item	By	Interval	Note
Feed Belt (Tray1,2)	S	7000K	Replace 3 belts at the same time

LCIT RT5070/RT5080

Part	By	100K	1000K	Note
Transport guide plate	S	I/C		Damp cloth
Grip rollers (drive, idle rollers)	S	I/C		
Transport rollers	S	I/C		
Pick-up rollers (4th, 5th, 6th tray)*1	S,T	I/C	R	
Paper feed roller (4th, 5th, 6th tray) *1	S,T	I/C	R	
Separation rollers (4th, 5th, 6th tray) *1	S,T	I/C	R	
Sensors (Feed, Transport, Exit)	S	I/C		Blower brush

*1 Replace these rollers as soon as target service life has been exceeded. May require replacement earlier if double-feeds and jams are occurring frequently.

Cover Interposer Tray CI5030

The PM interval is for the number of sheets that have been fed.

Part	By	PM	60K	Note
Drive, Idle rollers	S	I/C		Damp cloth
Feed belt	S	I/C	R	
Separation roller	S	I/C	R	
Pick-up roller	S	I/C	R	
Sensors	S	I/C		Blower brush.
Transport Guide Plate	S	I/C		Damp cloth

Booklet Finisher SR5060/Finisher SR5060

Part	By	At	Action	Note
Paper Transport	S	500K	I/C	Paper wrinkled, creased, torn?
Operation	S	500K	I/C	Operation correct?
Display Check	S	500K	I/C	Correct messages displayed when door opened, etc.?
Covers	S	500K	I/C	Damp cloth, check for damage
Safety	S	500K	I/C	Spurious noise during operation?
Other	S	500K	I/C	Used within specifications?

Drive Rollers	S	500K	I/C	Alcohol damp cloth
Idle Rollers	S	500K	I/C	
Anti-static Brushes	S	500K	I/C	
Brush Roller*1	S	2500K	R*1	
Bearings	S	500K	I/C/L	Silicone oil if noisy
Sensors	S	500K	I/C	Blower brush
Jog Fences	S	500K	I/C	Make sure screws are tight
Corner Stapler	S	5000K	R*1	Empty hopper
Punch Unit*3	S	2000K	R*1	
Trimmings Hopper	S	500K	I/C	Empty hopper
Positioning Roller*4	S	2500K	R*1	
Shift Sponge Roller	S	3000K	R*1	
Booklet Stapler	S	20000K	R*1	
Shift Tray Worm Gear	S	500K	I/C	
Booklet Output Tray Belt	S	500K	I/C	Alcohol damp cloth

*1 Separate counts are logged for the operation of these rollers because they will not be the same as the sheet counts for the main machine (the finisher will not be used for every job so the counts will be different). Be sure to replace these items after their individual counts have been exceeded.

*2 Estimated service life: 1250K

*3 Estimated service life: 1000K

*4 Estimated service life: 1250K

Multi-Folding Unit FD5020

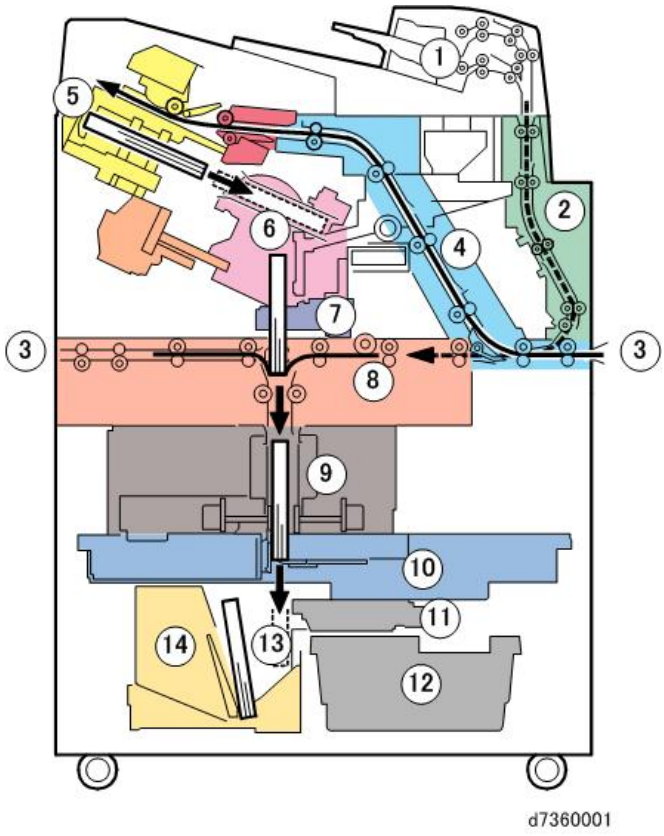
Part	By	At	Action	Note
Paper Transport	S	PM	I	Paper wrinkled, creased, torn?
Operation	S	PM	I	Operation correct?
Display Check	S	PM	I	Correct messages displayed for mode, door opened, etc.?
Covers	S	PM	I/C	Damp cloth, check for damage
Safety	S	PM	I	Spurious noise during operation?
Other	S	PM	I	Used within specifications?
Drive Rollers	S	PM	I/C	Alcohol dampened cloth
Idle Rollers	S	PM	I/C	
Anti-static Brush	S	PM	I/C	
Bearings	S	PM	I/C/L	Silicone oil if noisy
Sensors	S	PM	I/C	Blower brush
Fold Rollers (1st, 2nd, 3rd)	S	PM	I/C	Alcohol dampened cloth
Crease Rollers (drive, idle	S	PM	I/C	

Part	By	At	Action	Note
roller)				
Fold Roller Drive Gears	S	PM	I/C/L	If lubrication insufficient, apply G501
Horizontal Transport Motor	S	60000K	R*1	See notes below
Horizontal Exit Motor	S	60000K	R*1	
Solenoid	S	20000K	R*2	

*1 Replace after 51000K

*2 Replace after 20000K

Perfect Binder GB5010



No.	Area
1	Cover Interposer Tray for Perfect Binder Type S1
2	Vertical Path (Covers from Inserter)
3	Horizontal Paper Path
4	Signature Path
5	Stacking Tray
6	Main Grip Unit
7	Gluing Unit
8	Cover Registration Unit
9	Signature Rotation Unit
10	Trimming Unit

11	Trimming Buffer Unit
12	Trimmings Box
13	Book Buffer
14	Book Output

Part	By	At	Action	Note
Paper Transport	S	500K	I	Paper wrinkled, creased, torn?
Operation	S	500K	I	Operation correct?
Display Check	S	500K	I	Correct messages displayed for mode, door opened, etc.?
Covers	S	500K	I/C	Damp cloth, check for damage
Safety	S	500K	I	Spurious noise during operation?
Other	S	500K	I	Used within specifications?
Drive Rollers	S	500K	I/C	Alcohol damp cloth
Idle Rollers	S	500K	I/C	
Anti-static Brush	S	500K	I/C	
Bearings	S	500K	I/C/L	Silicone oil
Sensors	S	500K	I/C	Blower Brush
Blade	S	4000K	R*1	See Note 1
Trimming Buffer Unit	S	4000K	R*2	See Note 2
Blade Cradle	S	1000K	R*1	See Note 1
Cover Unit Switchback Roller Torque Limiter	S	3000K	R	See Note 3
Signature Thickness Sensor	S	14300K	R	See Note 3
Gluing Unit	S	2000 hr.	R	2000 hours
Book Rotation Unit Diode	S	14300K	R	See Note 3
Trimmings Buffer Motor	S	14300K	R	See Note 3
Main Grip Unit Gears	S	14300K	R	See Note 3
Torque Limiter (Signature Rotation Unit for Trimming)	S	14300K	R	See Note 3
Spine Fold Unit Harness (Left)	S	14300K	R	See Note 3
Spine Fold Unit Harness (Right)	S	14300K	R	See Note 3
Pickup Roller	S	286000K	R	See Note 3
Separation Roller	S	286000K	R	See Note 3
Feed Roller	S	286000K	R	See Note 3
Magnetic Clutch	S	286000K	R	See Note 3
Separation Roller Torque Limiter	S	286000K	R	See Note 3

*1 A message on the operation panel alerts the operator when it is time to replace this item.

*2 This item should always be replaced with the blade.

*3 Separate counts are logged for the operation of these items because they will not be the same as the sheet counts for the main machine (the finisher will not be used for every job so the counts will be different). Be sure to replace these items after their individual counts have been exceeded.

Ring Binder RB5020

Part	By	At	Action	Note
Paper Transport	S	PM	I	Paper wrinkled, creased, torn?
Operation	S	PM	I	Operation correct?
Display Check	S	PM	I	Correct messages displayed for mode, door opened, etc.?
Covers	S	PM	I/C	Damp cloth, check for damage
Safety	S	PM	I	Spurious noise during operation?
Other	S	PM	I	Used within specifications?
Drive Rollers	S	PM	I/C	Dry cloth
Idle Rollers	S	PM	I/C	
Anti-static Brush	S	PM	I/C	
Paddle Roller	S	PM	I/C	
Bearings	S	PM	I/C/L	Launa oil
Sensors	S	PM	I/C	Blower brush
Punch	S	PM	I/C/R	Replace at 1000K
Punch-outs	U	PM	C	Empty hopper

High Capacity Stacker SK5030 (D776)

Part	By	At	Action	
Rollers (drive, idle rollers)	S	**500K**	IC	Alcohol, clean cloth
Anti-static brush	S	**500K**	IC	
Shafts	S	**500K**	IC	Lubricate with silicone oil if noisy.
Sensors	S	**500K**	IC	Blower brush
Sub jogger fences	S	**500K**	IC	Alcohol, clean cloth
Main jogger fences	S	**500K**	IC	
LE stopper	S	**500K**	IC	

Trimmer Unit TR5040

Part	By	PM Visit	
Rollers (drive, idle rollers)	S	IC	Water, clean cloth
Belts	S	IC	
Discharge brush	S	IC	Cloth, blower brush

2.Appendices: Preventive Maintenance Tables

Part	By	**PM Visit**	
Roller shafts	S	IL	Lubricate with silicone oil if noisy
Sensors	S	IC	Blower brush
Paper trimmings hopper	U	IC	Empty, make sure the user knows how to empty the hopper
Trimming Blade	S	R	Replace the blade after 400K. SP7989 (Trim Count) displays the total count.

3. Appendices: SP Mode Tables

SP Group 1000-01

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-001-001	Lead Edge Reg	Thick 0	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-002	Lead Edge Reg	Thick 1	ENG	[-30 to 30 / * / 0.1mm] *Pro 8200S:165 *Pro 8210S/8210Y:170 *Pro 8220S/8220Y:175
1-001-003	Lead Edge Reg	Thick 2	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-004	Lead Edge Reg	Thick 3	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-005	Lead Edge Reg	Thick 4	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-006	Lead Edge Reg	Thick 5	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-007	Lead Edge Reg	Thick 6	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-008	Lead Edge Reg	Thick 7	ENG	[-30 to 30 / 0 / 0.1mm]
1-001-009	Lead Edge Reg	Thick 8	ENG	[-30 to 30 / 0 / 0.1mm]
1-002-001	Main Scan Regist (Shift: Off)	Tray1	ENG	[-100 to 100 / 0 / 0.1mm]
1-	Main Scan Regist	Tray2	ENG	[-100 to 100 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002-002	(Shift: Off)			0.1mm]
1-002-003	Main Scan Regist (Shift: Off)	Tray3	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-004	Main Scan Regist (Shift: Off)	Dupx Tray	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-005	Main Scan Regist (Shift: Off)	Tray4	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-006	Main Scan Regist (Shift: Off)	Tray5	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-007	Main Scan Regist (Shift: Off)	Tray6	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-008	Main Scan Regist (Shift: Off)	Tray7	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-009	Main Scan Regist (Shift: Off)	Tray T1	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-010	Main Scan Regist (Shift: Off)	Tray T2	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-011	Main Scan Regist (Shift: Off)	Tray T3	ENG	[-100 to 100 / 0 / 0.1mm]
1-002-012	Main Scan Regist (Shift: Off)	Tray T4	ENG	[-100 to 100 / 0 / 0.1mm]
1-003-001	Side-to-Side Reg	Tray1	ENG	[-30 to 30 / 0 / 0.1mm]
1-	Side-to-Side Reg	Tray2	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003-002				
1-003-003	Side-to-Side Reg	Tray3	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-004	Side-to-Side Reg	Dupx Tray	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-005	Side-to-Side Reg	Tray4	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-006	Side-to-Side Reg	Tray5	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-007	Side-to-Side Reg	Tray6	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-008	Side-to-Side Reg	Tray7	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-009	Side-to-Side Reg	Tray T1	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-010	Side-to-Side Reg	Tray T2	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-011	Side-to-Side Reg	Tray T3	ENG	[-30 to 30 / 0 / 0.1mm]
1-003-012	Side-to-Side Reg	Tray T4	ENG	[-30 to 30 / 0 / 0.1mm]
1-004-001	Reg Buckle Adj	Tray1 for Tray3	ENG	[-5 to 5 / 2 / 1mm]
1-	Reg Buckle Adj	Dupx Tray	ENG	[-5 to 5 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004-002				
1-004-003	Reg Buckle Adj	LCT & Bypass Tray	ENG	[-5 to 5 / 2 / 1mm]
1-005-001	Reg Buckle Adj(Thick)	Thick 5	ENG	[-5 to 5 / 0 / 1mm]
1-005-002	Reg Buckle Adj(Thick)	Thick 6	ENG	[-5 to 5 / 0 / 1mm]
1-005-003	Reg Buckle Adj(Thick)	Thick 7	ENG	[-5 to 5 / 0 / 1mm]
1-005-004	Reg Buckle Adj(Thick)	Thick 8	ENG	[-5 to 5 / -1 / 1mm]
1-006-001	Fine Adj Trans Tmg Roll Spd	Plain:Weight 0	ENG	[-30 to 30 / -2 / 0.1%]
1-006-002	Fine Adj Trans Tmg Roll Spd	Plain:Weight 1	ENG	[-30 to 30 / -2 / 0.1%]
1-006-003	Fine Adj Trans Tmg Roll Spd	Plain:Weight 2	ENG	[-30 to 30 / -2 / 0.1%]
1-006-004	Fine Adj Trans Tmg Roll Spd	Plain:Weight 3	ENG	[-30 to 30 / -2 / 0.1%]
1-006-005	Fine Adj Trans Tmg Roll Spd	Plain:Weight 4	ENG	[-30 to 30 / -3 / 0.1%]
1-006-006	Fine Adj Trans Tmg Roll Spd	Plain:Weight 5	ENG	[-30 to 30 / -3 / 0.1%]
1-	Fine Adj Trans Tmg	Plain:Weight 6	ENG	[-30 to 30 / -3 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006-007	Roll Spd			
1-006-008	Fine Adj Trans Tmg Roll Spd	Plain:Weight 7	ENG	[-30 to 30 / -3 / 0.1%]
1-006-009	Fine Adj Trans Tmg Roll Spd	Plain:Weight 8	ENG	[-30 to 30 / -3 / 0.1%]
1-006-020	Fine Adj Trans Tmg Roll Spd	Matte:Weight 0	ENG	[-30 to 30 / -2 / 0.1%]
1-006-021	Fine Adj Trans Tmg Roll Spd	Matte:Weight 1	ENG	[-30 to 30 / -2 / 0.1%]
1-006-022	Fine Adj Trans Tmg Roll Spd	Matte:Weight 2	ENG	[-30 to 30 / -2 / 0.1%]
1-006-023	Fine Adj Trans Tmg Roll Spd	Matte:Weight 3	ENG	[-30 to 30 / -2 / 0.1%]
1-006-024	Fine Adj Trans Tmg Roll Spd	Matte:Weight 4	ENG	[-30 to 30 / -3 / 0.1%]
1-006-025	Fine Adj Trans Tmg Roll Spd	Matte:Weight 5	ENG	[-30 to 30 / -3 / 0.1%]
1-006-026	Fine Adj Trans Tmg Roll Spd	Matte:Weight 6	ENG	[-30 to 30 / -3 / 0.1%]
1-006-027	Fine Adj Trans Tmg Roll Spd	Matte:Weight 7	ENG	[-30 to 30 / -3 / 0.1%]
1-006-028	Fine Adj Trans Tmg Roll Spd	Matte:Weight 8	ENG	[-30 to 30 / -3 / 0.1%]
1-	Fine Adj Trans Tmg	Glossy:Weight 0	ENG	[-30 to 30 / -2 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006-040	Roll Spd			
1-006-041	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 1	ENG	[-30 to 30 / -2 / 0.1%]
1-006-042	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 2	ENG	[-30 to 30 / -2 / 0.1%]
1-006-043	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 3	ENG	[-30 to 30 / -2 / 0.1%]
1-006-044	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 4	ENG	[-30 to 30 / -3 / 0.1%]
1-006-045	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 5	ENG	[-30 to 30 / -3 / 0.1%]
1-006-046	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 6	ENG	[-30 to 30 / -3 / 0.1%]
1-006-047	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 7	ENG	[-30 to 30 / -3 / 0.1%]
1-006-048	Fine Adj Trans Tmg Roll Spd	Glossy:Weight 8	ENG	[-30 to 30 / -3 / 0.1%]
1-006-055	Fine Adj Trans Tmg Roll Spd	Envelope:Weight 5	ENG	[-30 to 30 / -3 / 0.1%]
1-006-056	Fine Adj Trans Tmg Roll Spd	Envelope:Weight 6	ENG	[-30 to 30 / -3 / 0.1%]
1-006-057	Fine Adj Trans Tmg Roll Spd	Envelope:Weight 7	ENG	[-30 to 30 / -3 / 0.1%]
1-	Fine Adj Trans Tmg	OHP	ENG	[-30 to 30 / -3 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006-065	Roll Spd			
1-007-001	Fine Adj Invert Ent Roll Spd	Plain:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-007-002	Fine Adj Invert Ent Roll Spd	Plain:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-007-003	Fine Adj Invert Ent Roll Spd	Plain:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-007-004	Fine Adj Invert Ent Roll Spd	Plain:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-007-005	Fine Adj Invert Ent Roll Spd	Plain:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-007-006	Fine Adj Invert Ent Roll Spd	Plain:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-007-007	Fine Adj Invert Ent Roll Spd	Plain:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-007-008	Fine Adj Invert Ent Roll Spd	Plain:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-007-009	Fine Adj Invert Ent Roll Spd	Plain:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-007-010	Fine Adj Invert Ent Roll Spd	Matte:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-007-011	Fine Adj Invert Ent Roll Spd	Matte:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-	Fine Adj Invert Ent	Matte:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007-012	Roll Spd			
1-007-013	Fine Adj Invert Ent Roll Spd	Matte:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-007-014	Fine Adj Invert Ent Roll Spd	Matte:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-007-015	Fine Adj Invert Ent Roll Spd	Matte:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-007-016	Fine Adj Invert Ent Roll Spd	Matte:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-007-017	Fine Adj Invert Ent Roll Spd	Matte:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-007-018	Fine Adj Invert Ent Roll Spd	Matte:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-007-019	Fine Adj Invert Ent Roll Spd	Glossy:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-007-020	Fine Adj Invert Ent Roll Spd	Glossy:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-007-021	Fine Adj Invert Ent Roll Spd	Glossy:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-007-022	Fine Adj Invert Ent Roll Spd	Glossy:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-007-023	Fine Adj Invert Ent Roll Spd	Glossy:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-	Fine Adj Invert Ent	Glossy:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007-024	Roll Spd			
1-007-025	Fine Adj Invert Ent Roll Spd	Glossy:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-007-026	Fine Adj Invert Ent Roll Spd	Glossy:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-007-027	Fine Adj Invert Ent Roll Spd	Glossy:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-008-001	Fine Adj Exit/Invert Roll Spd	Plain:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-008-002	Fine Adj Exit/Invert Roll Spd	Plain:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-008-003	Fine Adj Exit/Invert Roll Spd	Plain:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-008-004	Fine Adj Exit/Invert Roll Spd	Plain:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-008-005	Fine Adj Exit/Invert Roll Spd	Plain:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-008-006	Fine Adj Exit/Invert Roll Spd	Plain:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-008-007	Fine Adj Exit/Invert Roll Spd	Plain:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-008-008	Fine Adj Exit/Invert Roll Spd	Plain:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-	Fine Adj Exit/Invert	Plain:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008-009	Roll Spd			
1-008-010	Fine Adj Exit/Invert Roll Spd	Matte:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-008-011	Fine Adj Exit/Invert Roll Spd	Matte:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-008-012	Fine Adj Exit/Invert Roll Spd	Matte:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-008-013	Fine Adj Exit/Invert Roll Spd	Matte:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-008-014	Fine Adj Exit/Invert Roll Spd	Matte:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-008-015	Fine Adj Exit/Invert Roll Spd	Matte:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-008-016	Fine Adj Exit/Invert Roll Spd	Matte:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-008-017	Fine Adj Exit/Invert Roll Spd	Matte:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-008-018	Fine Adj Exit/Invert Roll Spd	Matte:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-008-019	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-008-020	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-	Fine Adj Exit/Invert	Glossy:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008-021	Roll Spd			
1-008-022	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-008-023	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-008-024	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-008-025	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-008-026	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-008-027	Fine Adj Exit/Invert Roll Spd	Glossy:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-009-001	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-009-002	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-009-003	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-009-004	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-009-005	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-	Fine Adj Duplx/Invert	Plain:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009-006	Roll Spd			
1-009-007	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-009-008	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-009-009	Fine Adj Duplx/Invert Roll Spd	Plain:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-009-010	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-009-011	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-009-012	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-009-013	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-009-014	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-009-015	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-009-016	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-009-017	Fine Adj Duplx/Invert Roll Spd	Matte:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-	Fine Adj Duplx/Invert	Matte:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009-018	Roll Spd			
1-009-019	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 0	ENG	[-30 to 30 / 12 / 0.1%]
1-009-020	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 1	ENG	[-30 to 30 / 12 / 0.1%]
1-009-021	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 2	ENG	[-30 to 30 / 12 / 0.1%]
1-009-022	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 3	ENG	[-30 to 30 / 12 / 0.1%]
1-009-023	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 4	ENG	[-30 to 30 / 12 / 0.1%]
1-009-024	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 5	ENG	[-30 to 30 / 9 / 0.1%]
1-009-025	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 6	ENG	[-30 to 30 / 6 / 0.1%]
1-009-026	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 7	ENG	[-30 to 30 / 6 / 0.1%]
1-009-027	Fine Adj Duplx/Invert Roll Spd	Glossy:Weight 8	ENG	[-30 to 30 / 6 / 0.1%]
1-010-001	Adj Exit Mtr Speed	Type-a	ENG	[-50 to 50 / 0 / 0.1%]
1-010-002	Adj Exit Mtr Speed	Type-b	ENG	[-50 to 50 / 0 / 0.1%]
1-	Adj Exit Mtr Speed	Type-c	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010-003				
1-010-004	Adj Exit Mtr Speed	Type-x	ENG	[-50 to 50 / 0 / 0.1%]
1-011-001	Fine Adj Exit Motor Speed	Plain:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-011-002	Fine Adj Exit Motor Speed	Plain:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
1-011-003	Fine Adj Exit Motor Speed	Plain:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-011-004	Fine Adj Exit Motor Speed	Plain:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-011-005	Fine Adj Exit Motor Speed	Plain:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
1-011-006	Fine Adj Exit Motor Speed	Plain:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-011-007	Fine Adj Exit Motor Speed	Plain:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-011-008	Fine Adj Exit Motor Speed	Plain:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-011-009	Fine Adj Exit Motor Speed	Plain:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-011-010	Fine Adj Exit Motor Speed	Matte:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-	Fine Adj Exit Motor	Matte:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011-011	Speed			
1-011-012	Fine Adj Exit Motor Speed	Matte:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-011-013	Fine Adj Exit Motor Speed	Matte:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-011-014	Fine Adj Exit Motor Speed	Matte:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
1-011-015	Fine Adj Exit Motor Speed	Matte:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-011-016	Fine Adj Exit Motor Speed	Matte:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-011-017	Fine Adj Exit Motor Speed	Matte:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-011-018	Fine Adj Exit Motor Speed	Matte:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-011-019	Fine Adj Exit Motor Speed	Glossy:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-011-020	Fine Adj Exit Motor Speed	Glossy:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
1-011-021	Fine Adj Exit Motor Speed	Glossy:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-011-022	Fine Adj Exit Motor Speed	Glossy:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-	Fine Adj Exit Motor	Glossy:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011-023	Speed			
1-011-024	Fine Adj Exit Motor Speed	Glossy:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-011-025	Fine Adj Exit Motor Speed	Glossy:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-011-026	Fine Adj Exit Motor Speed	Glossy:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-011-027	Fine Adj Exit Motor Speed	Glossy:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-011-028	Fine Adj Exit Motor Speed	Envelope:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-011-029	Fine Adj Exit Motor Speed	Envelope:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-011-030	Fine Adj Exit Motor Speed	Envelope:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-011-031	Fine Adj Exit Motor Speed	OHP	ENG	[-50 to 50 / 0 / 0.1%]
1-012-001	Motor Adj:95ppm	Drum Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-012-002	Motor Adj:95ppm	Dev Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-012-003	Motor Adj:95ppm	Drum CL Mtr	ENG	[-30 to 30 / 0 / 0.1%]
1-	Motor Adj:95ppm	ITB Motor	ENG	[-30 to 30 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012-004				
1-012-005	Motor Adj:95ppm	PTR Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-012-006	Motor Adj:95ppm	Fusing Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-012-007	Motor Adj:95ppm	TH Paper Feed Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-013-001	Motor Adj:110ppm	Drum Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-013-002	Motor Adj:110ppm	Dev Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-013-003	Motor Adj:110ppm	Drum CL Mtr	ENG	[-30 to 30 / 0 / 0.1%]
1-013-004	Motor Adj:110ppm	ITB Motor	ENG	[-30 to 30 / 0 / 0.1%]
1-013-005	Motor Adj:110ppm	PTR Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-013-006	Motor Adj:110ppm	Fusing Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-013-007	Motor Adj:110ppm	TH Paper Feed Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-014-001	Motor Adj:135ppm	Drum Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-	Motor Adj:135ppm	Dev Motor	ENG	[-30 to 30 / -2 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014-002				
1-014-003	Motor Adj:135ppm	Drum CL Mtr	ENG	[-30 to 30 / 0 / 0.1%]
1-014-004	Motor Adj:135ppm	ITB Motor	ENG	[-30 to 30 / 0 / 0.1%]
1-014-005	Motor Adj:135ppm	PTR Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-014-006	Motor Adj:135ppm	Fusing Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-014-007	Motor Adj:135ppm	TH Paper Feed Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-015-001	Motor Adj:150ppm	Drum Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-015-002	Motor Adj:150ppm	Dev Motor	ENG	[-30 to 30 / -2 / 0.1%]
1-015-003	Motor Adj:150ppm	Drum CL Mtr	ENG	[-30 to 30 / 0 / 0.1%]
1-015-004	Motor Adj:150ppm	ITB Motor	ENG	[-30 to 30 / 0 / 0.1%]
1-015-005	Motor Adj:150ppm	PTR Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-015-006	Motor Adj:150ppm	Fusing Motor	ENG	[-50 to 50 / 0 / 0.1%]
1-	Motor Adj:150ppm	TH Paper Feed Motor	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015-007				
1-016-001	HP Drive Motor Adj.	a	ENG	[-50 to 50 / 0 / 0.1%]
1-016-002	HP Drive Motor Adj.	b	ENG	[-50 to 50 / 0 / 0.1%]
1-016-003	HP Drive Motor Adj.	c	ENG	[-50 to 50 / 0 / 0.1%]
1-016-004	HP Drive Motor Adj.	x	ENG	[-50 to 50 / 0 / 0.1%]
1-017-001	HP Drive Motor Fine Adj.	Plain Paper: Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-017-002	HP Drive Motor Fine Adj.	Plain Paper: Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
1-017-003	HP Drive Motor Fine Adj.	Plain Paper: Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-017-004	HP Drive Motor Fine Adj.	Plain Paper: Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-017-005	HP Drive Motor Fine Adj.	Plain Paper: Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
1-017-006	HP Drive Motor Fine Adj.	Plain Paper: Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-017-007	HP Drive Motor Fine Adj.	Plain Paper: Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-	HP Drive Motor Fine	Plain Paper: Weight 7	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017-008	Adj.			
1-017-009	HP Drive Motor Fine Adj.	Plain Paper: Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-017-010	HP Drive Motor Fine Adj.	Matte Paper: Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-017-011	HP Drive Motor Fine Adj.	Matte Paper: Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
1-017-012	HP Drive Motor Fine Adj.	Matte Paper: Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-017-013	HP Drive Motor Fine Adj.	Matte Paper: Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-017-014	HP Drive Motor Fine Adj.	Matte Paper: Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
1-017-015	HP Drive Motor Fine Adj.	Matte Paper: Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-017-016	HP Drive Motor Fine Adj.	Matte Paper: Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-017-017	HP Drive Motor Fine Adj.	Matte Paper: Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-017-018	HP Drive Motor Fine Adj.	Matte Paper: Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-017-019	HP Drive Motor Fine Adj.	Glossy Paper: Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
1-	HP Drive Motor Fine	Glossy Paper: Weight 1	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017-020	Adj.			
1-017-021	HP Drive Motor Fine Adj.	Glossy Paper: Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
1-017-022	HP Drive Motor Fine Adj.	Glossy Paper: Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
1-017-023	HP Drive Motor Fine Adj.	Glossy Paper: Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
1-017-024	HP Drive Motor Fine Adj.	Glossy Paper: Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-017-025	HP Drive Motor Fine Adj.	Glossy Paper: Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-017-026	HP Drive Motor Fine Adj.	Glossy Paper: Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-017-027	HP Drive Motor Fine Adj.	Glossy Paper: Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
1-017-028	HP Drive Motor Fine Adj.	Envelop: Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
1-017-029	HP Drive Motor Fine Adj.	Envelop: Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
1-017-030	HP Drive Motor Fine Adj.	Envelop: Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
1-017-031	HP Drive Motor Fine Adj.	OHP	ENG	[-50 to 50 / 0 / 0.1%]
1-	Skew Detect	Tray1	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021-001				
1-021-002	Skew Detect	Tray2	ENG	[0 to 1 / 1 / 1-]
1-021-003	Skew Detect	Tray3	ENG	[0 to 1 / 1 / 1-]
1-021-004	Skew Detect	Dupx Tray	ENG	[0 to 1 / 1 / 1-]
1-021-005	Skew Detect	Tray4	ENG	[0 to 1 / 1 / 1-]
1-021-006	Skew Detect	Tray5	ENG	[0 to 1 / 1 / 1-]
1-021-007	Skew Detect	Tray6	ENG	[0 to 1 / 1 / 1-]
1-021-008	Skew Detect	Tray7	ENG	[0 to 1 / 1 / 1-]
1-021-009	Skew Detect	Tray T1	ENG	[0 to 1 / 1 / 1-]
1-021-010	Skew Detect	Tray T2	ENG	[0 to 1 / 1 / 1-]
1-021-011	Skew Detect	Tray T3	ENG	[0 to 1 / 1 / 1-]
1-021-012	Skew Detect	Tray T4	ENG	[0 to 1 / 1 / 1-]
1-	Skew Correction Level	Tray1	ENG	[16 to 75 / 30 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022-001	Setting			
1-022-002	Skew Correction Level Setting	Tray2	ENG	[16 to 75 / 30 / 0.1mm]
1-022-003	Skew Correction Level Setting	Tray3	ENG	[16 to 75 / 30 / 0.1mm]
1-022-004	Skew Correction Level Setting	Dupx Tray	ENG	[16 to 75 / 30 / 0.1mm]
1-022-005	Skew Correction Level Setting	Tray4	ENG	[16 to 75 / 30 / 0.1mm]
1-022-006	Skew Correction Level Setting	Tray5	ENG	[16 to 75 / 30 / 0.1mm]
1-022-007	Skew Correction Level Setting	Tray6	ENG	[16 to 75 / 30 / 0.1mm]
1-022-008	Skew Correction Level Setting	Tray7	ENG	[16 to 75 / 30 / 0.1mm]
1-022-009	Skew Correction Level Setting	Tray T1	ENG	[16 to 75 / 30 / 0.1mm]
1-022-010	Skew Correction Level Setting	Tray T2	ENG	[16 to 75 / 30 / 0.1mm]
1-022-011	Skew Correction Level Setting	Tray T3	ENG	[16 to 75 / 30 / 0.1mm]
1-022-012	Skew Correction Level Setting	Tray T4	ENG	[16 to 75 / 30 / 0.1mm]
1-	Rotary Gate	Home Position	ENG	[-10 to 10 / 0 / 1pulse]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031-001	Adjustment			
1-032-001	Rotary Gate HP Adjustment	Thick 0	ENG	[-8 to 8 / 0 / 1pulse]
1-032-002	Rotary Gate HP Adjustment	Thick 1	ENG	[-8 to 8 / 0 / 1pulse]
1-032-003	Rotary Gate HP Adjustment	Thick 2	ENG	[-8 to 8 / 0 / 1pulse]
1-032-004	Rotary Gate HP Adjustment	Thick 3	ENG	[-8 to 8 / 0 / 1pulse]
1-032-005	Rotary Gate HP Adjustment	Thick 4	ENG	[-8 to 8 / 0 / 1pulse]
1-032-006	Rotary Gate HP Adjustment	Thick 5	ENG	[-8 to 8 / 0 / 1pulse]
1-032-007	Rotary Gate HP Adjustment	Thick 6	ENG	[-8 to 8 / 0 / 1pulse]
1-032-008	Rotary Gate HP Adjustment	Thick 7	ENG	[-8 to 8 / 0 / 1pulse]
1-032-009	Rotary Gate HP Adjustment	Thick 8	ENG	[-8 to 8 / 0 / 1pulse]
1-101-001	Reload Permit Setting	Pre-rotation Start Temp.	ENG	[0 to 200 / 0 / 1deg]
1-101-002	Reload Permit Setting	Reload Target Temp.:Center	ENG	[0 to 200 / 175 / 1deg]
1-	Reload Permit Setting	Reload Target Temp.:Press	ENG	[0 to 200 / 90 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101-003				
1-101-004	Reload Permit Setting	Temp.:Delta:Cold:Center	ENG	[0 to 200 / 5 / 1deg]
1-101-005	Reload Permit Setting	Temp.:Delta:Cold:End	ENG	[0 to 200 / 5 / 1deg]
1-101-006	Reload Permit Setting	Temp.:Delta:Cold:Press:Center	ENG	[0 to 200 / 20 / 1deg]
1-101-007	Reload Permit Setting	Rotation Time:Cold	ENG	[0 to 500 / 280 / 1sec]
1-101-008	Reload Permit Setting	Temp.:Delta:Warm:Center	ENG	[0 to 200 / 5 / 1deg]
1-101-009	Reload Permit Setting	Temp.:Delta:Warm:End	ENG	[0 to 200 / 5 / 1deg]
1-101-010	Reload Permit Setting	Temp.:Delta:Warm:Press:Center	ENG	[0 to 200 / 20 / 1deg]
1-101-011	Reload Permit Setting	Rotation Time:Warm	ENG	[0 to 100 / 15 / 1sec]
1-101-012	Reload Permit Setting	Temp.:Delta:Hot:Center	ENG	[0 to 200 / 5 / 1deg]
1-101-013	Reload Permit Setting	Temp.:Delta:Hot:End	ENG	[0 to 200 / 5 / 1deg]
1-101-014	Reload Permit Setting	Temp.:Delta:Hot:Press:Center	ENG	[0 to 200 / 20 / 1deg]
1-	Reload Permit Setting	Rotation Time:Hot	ENG	[0 to 100 / 0 / 1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101-015				
1-101-020	Reload Permit Setting	Roll Core Temp Judgment	ENG	[0 to 1 / 1 / 1] 0: Roll Core Detection: OFF 1: Roll Core Detection: ON
1-101-021	Reload Permit Setting	Roll Core Temp	ENG	[0 to 120 / 30 / 1deg]
1-101-022	Reload Permit Setting	Temp.:Delta:Cold:Full-Bd End	ENG	[0 to 200 / 5 / 1deg]
1-101-023	Reload Permit Setting	Temp.:Delta:Warm:Full-Bd End	ENG	[0 to 200 / 5 / 1deg]
1-101-024	Reload Permit Setting	Temp.:Delta:Hot:Full-BdEnd	ENG	[0 to 200 / 5 / 1deg]
1-101-025	Reload Permit Setting	Thermistor Temp.: Cold	ENG	[0 to 200 / 90 / 1deg]
1-101-026	Reload Permit Setting	Thermistor Temp.: Warm	ENG	[0 to 200 / 90 / 1deg]
1-101-027	Reload Permit Setting	Thermistor Temp.: Hot	ENG	[0 to 200 / 90 / 1deg]
1-102-019	Feed Permit Setting	Feed Permit Time	ENG	[0 to 500 / 90 / 1sec]
1-102-101	Feed Permit Setting	Temp.:Lower Delta:Heat:1	ENG	[0 to 100 / 5 / 1deg]
1-102-102	Feed Permit Setting	Temp Diff Heating Roller: Upper 1	ENG	[0 to 100 / 15 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-103	Feed Permit Setting	Temp Diff Press Roller: Lower 1	ENG	[0 to 100 / 15 / 1deg]
1-102-104	Feed Permit Setting	Temp Diff Press Roller: Upper 1	ENG	[0 to 100 / 100 / 1deg]
1-102-105	Feed Permit Setting	Rotation Time Before Judgment:1	ENG	[0 to 100 / 0 / 1sec]
1-102-106	Feed Permit Setting	Temp Diff Heating Roller: Lower 2	ENG	[0 to 100 / 10 / 1deg]
1-102-107	Feed Permit Setting	Temp Diff Heating Roller: Upper 2	ENG	[0 to 100 / 15 / 1deg]
1-102-108	Feed Permit Setting	Temp Diff Press Roller: Lower 2	ENG	[0 to 100 / 10 / 1deg]
1-102-109	Feed Permit Setting	Temp Diff Press Roller: Upper 2	ENG	[0 to 100 / 30 / 1deg]
1-102-110	Feed Permit Setting	Rotation Time Before Judgment:2	ENG	[0 to 100 / 3 / 1sec]
1-102-111	Feed Permit Setting	Temp Diff Heating Roller: Lower 3	ENG	[0 to 100 / 5 / 1deg]
1-102-112	Feed Permit Setting	Temp Diff Heating Roller: Upper 3	ENG	[0 to 100 / 30 / 1deg]
1-102-113	Feed Permit Setting	Temp Diff Press Roller: Lower 3	ENG	[0 to 100 / 5 / 1deg]
1-102-114	Feed Permit Setting	Temp Diff Press Roller: Upper 3	ENG	[0 to 100 / 30 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-115	Feed Permit Setting	Rotation Time Before Judgment:3	ENG	[0 to 100 / 4 / 1sec]
1-102-116	Feed Permit Setting	Temp Diff Heating Roller: Lower 4	ENG	[0 to 100 / 5 / 1deg]
1-102-117	Feed Permit Setting	Temp Diff Heating Roller: Upper 4	ENG	[0 to 100 / 60 / 1deg]
1-102-118	Feed Permit Setting	Temp Diff Press Roller: Lower 4	ENG	[0 to 100 / 20 / 1deg]
1-102-119	Feed Permit Setting	Temp Diff Press Roller: Upper 4	ENG	[0 to 100 / 100 / 1deg]
1-102-120	Feed Permit Setting	Rotation Time Before Judgment:4	ENG	[0 to 100 / 0 / 1sec]
1-102-121	Feed Permit Setting	Temp Diff Heating Roller: Lower 5	ENG	[0 to 100 / 15 / 1deg]
1-102-122	Feed Permit Setting	Temp Diff Heating Roller: Upper 5	ENG	[0 to 100 / 60 / 1deg]
1-102-123	Feed Permit Setting	Temp Diff Press Roller: Lower 5	ENG	[0 to 100 / 20 / 1deg]
1-102-124	Feed Permit Setting	Temp Diff Press Roller: Upper 5	ENG	[0 to 100 / 100 / 1deg]
1-102-125	Feed Permit Setting	Rotation Time Before Judgment:5	ENG	[0 to 100 / 1 / 1sec]
1-102-126	Feed Permit Setting	Temp Diff Heating Roller: Lower 6	ENG	[0 to 100 / 10 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-127	Feed Permit Setting	Temp Diff Heating Roller: Upper 6	ENG	[0 to 100 / 60 / 1deg]
1-102-128	Feed Permit Setting	Temp Diff Press Roller: Lower 6	ENG	[0 to 100 / 10 / 1deg]
1-102-129	Feed Permit Setting	Temp Diff Press Roller: Upper 6	ENG	[0 to 100 / 100 / 1deg]
1-102-130	Feed Permit Setting	Rotation Time Before Judgment:6	ENG	[0 to 100 / 3 / 1sec]
1-102-131	Feed Permit Setting	Temp.:Lower Delta:Heat:7	ENG	[0 to 100 / 10 / 1deg]
1-102-132	Feed Permit Setting	Temp Diff Heating Roller: Upper 7	ENG	[0 to 100 / 60 / 1deg]
1-102-133	Feed Permit Setting	Temp Diff Press Roller: Lower 7	ENG	[0 to 100 / 20 / 1deg]
1-102-134	Feed Permit Setting	Temp Diff Press Roller: Upper 7	ENG	[0 to 100 / 100 / 1deg]
1-102-135	Feed Permit Setting	Rotation Time Before Judgment:7	ENG	[0 to 100 / 0 / 1sec]
1-102-136	Feed Permit Setting	Temp.:Lower Delta:Heat:8	ENG	[0 to 100 / 25 / 1deg]
1-102-137	Feed Permit Setting	Temp Diff Heating Roller: Upper 8	ENG	[0 to 100 / 60 / 1deg]
1-102-138	Feed Permit Setting	Temp Diff Press Roller: Lower 8	ENG	[0 to 100 / 20 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-139	Feed Permit Setting	Temp Diff Press Roller: Upper 8	ENG	[0 to 100 / 100 / 1deg]
1-102-140	Feed Permit Setting	Rotation Time Before Judgment:8	ENG	[0 to 100 / 1 / 1sec]
1-102-141	Feed Permit Setting	Temp.:Lower Delta:Heat:9	ENG	[0 to 100 / 30 / 1deg]
1-102-142	Feed Permit Setting	Temp Diff Heating Roller: Upper 9	ENG	[0 to 100 / 60 / 1deg]
1-102-143	Feed Permit Setting	Temp Diff Press Roller: Lower 9	ENG	[0 to 100 / 20 / 1deg]
1-102-144	Feed Permit Setting	Temp Diff Press Roller: Upper 9	ENG	[0 to 100 / 100 / 1deg]
1-102-145	Feed Permit Setting	Rotation Time Before Judgment:9	ENG	[0 to 100 / 1 / 1sec]
1-102-146	Feed Permit Setting	Temp.:Lower Delta:Heat:10	ENG	[0 to 100 / 35 / 1deg]
1-102-147	Feed Permit Setting	Temp Diff Heating Roller: Upper 10	ENG	[0 to 100 / 60 / 1deg]
1-102-148	Feed Permit Setting	Temp Diff Press Roller: Lower 10	ENG	[0 to 100 / 20 / 1deg]
1-102-149	Feed Permit Setting	Temp Diff Press Roller: Upper 10	ENG	[0 to 100 / 100 / 1deg]
1-102-150	Feed Permit Setting	Rotation Time Before Judgment:10	ENG	[0 to 100 / 1 / 1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-151	Feed Permit Setting	Temp.:Lower Delta:Heat:11	ENG	[0 to 100 / 5 / 1deg]
1-102-152	Feed Permit Setting	Temp Diff Heating Roller: Upper 11	ENG	[0 to 100 / 30 / 1deg]
1-102-153	Feed Permit Setting	Temp Diff Press Roller: Lower 11	ENG	[0 to 100 / 10 / 1deg]
1-102-154	Feed Permit Setting	Temp Diff Press Roller: Upper 11	ENG	[0 to 100 / 30 / 1deg]
1-102-155	Feed Permit Setting	Rotation Time Before Judgment:11	ENG	[0 to 100 / 3 / 1sec]
1-102-156	Feed Permit Setting	Temp.:Lower Delta:Heat:12	ENG	[0 to 100 / 10 / 1deg]
1-102-157	Feed Permit Setting	Temp Diff Heating Roller: Upper 12	ENG	[0 to 100 / 60 / 1deg]
1-102-158	Feed Permit Setting	Temp Diff Press Roller: Lower 12	ENG	[0 to 100 / 10 / 1deg]
1-102-159	Feed Permit Setting	Temp Diff Press Roller: Upper 12	ENG	[0 to 100 / 100 / 1deg]
1-102-160	Feed Permit Setting	Rotation Time Before Judgment:12	ENG	[0 to 100 / 3 / 1sec]
1-102-171	Feed Permit Setting	Quality Priority:FullSize:Category1	ENG	[0 to 200 / 100 / 1deg]
1-102-172	Feed Permit Setting	Quality Priority:FullSize:Category2	ENG	[0 to 200 / 100 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-173	Feed Permit Setting	Quality Priority:FullSize:Category3	ENG	[0 to 200 / 100 / 1deg]
1-102-174	Feed Permit Setting	Quality Priority:FullSize:Category4	ENG	[0 to 200 / 100 / 1deg]
1-102-175	Feed Permit Setting	Quality Priority:FullSize:Category5	ENG	[0 to 200 / 100 / 1deg]
1-102-176	Feed Permit Setting	Quality Priority:FullSize:Category1	ENG	[0 to 200 / 30 / 1deg]
1-102-177	Feed Permit Setting	Quality Priority:FullSize:Category2	ENG	[0 to 200 / 30 / 1deg]
1-102-178	Feed Permit Setting	Quality Priority:FullSize:Category3	ENG	[0 to 200 / 30 / 1deg]
1-102-179	Feed Permit Setting	Quality Priority:FullSize:Category4	ENG	[0 to 200 / 30 / 1deg]
1-102-180	Feed Permit Setting	Quality Priority:FullSize:Category5	ENG	[0 to 200 / 30 / 1deg]
1-102-181	Feed Permit Setting	Normal:FullSize:Category1	ENG	[0 to 200 / 100 / 1deg]
1-102-182	Feed Permit Setting	Normal:FullSize:Category2	ENG	[0 to 200 / 100 / 1deg]
1-102-183	Feed Permit Setting	Normal:FullSize:Category3	ENG	[0 to 200 / 100 / 1deg]
1-102-184	Feed Permit Setting	Normal:FullSize:Category4	ENG	[0 to 200 / 100 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-185	Feed Permit Setting	Normal:FullSize:Category5	ENG	[0 to 200 / 100 / 1deg]
1-102-186	Feed Permit Setting	Normal:FullSize:Category1	ENG	[0 to 200 / 30 / 1deg]
1-102-187	Feed Permit Setting	Normal:FullSize:Category2	ENG	[0 to 200 / 30 / 1deg]
1-102-188	Feed Permit Setting	Normal:FullSize:Category3	ENG	[0 to 200 / 30 / 1deg]
1-102-189	Feed Permit Setting	Normal:FullSize:Category4	ENG	[0 to 200 / 30 / 1deg]
1-102-190	Feed Permit Setting	Normal:FullSize:Category5	ENG	[0 to 200 / 30 / 1deg]
1-102-191	Feed Permit Setting	Output Priority:FullSize:Category1	ENG	[0 to 200 / 100 / 1deg]
1-102-192	Feed Permit Setting	Output Priority:FullSize:Category2	ENG	[0 to 200 / 100 / 1deg]
1-102-193	Feed Permit Setting	Output Priority:FullSize:Category3	ENG	[0 to 200 / 100 / 1deg]
1-102-194	Feed Permit Setting	Output Priority:FullSize:Category4	ENG	[0 to 200 / 100 / 1deg]
1-102-195	Feed Permit Setting	Output Priority:FullSize:Category5	ENG	[0 to 200 / 100 / 1deg]
1-102-196	Feed Permit Setting	Output Priority:FullSize:Category1	ENG	[0 to 200 / 30 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-102-197	Feed Permit Setting	Output Priority:FullSize:Category2	ENG	[0 to 200 / 30 / 1deg]
1-102-198	Feed Permit Setting	Output Priority:FullSize:Category3	ENG	[0 to 200 / 30 / 1deg]
1-102-199	Feed Permit Setting	Output Priority:FullSize:Category4	ENG	[0 to 200 / 30 / 1deg]
1-102-200	Feed Permit Setting	Output Priority:FullSize:Category5	ENG	[0 to 200 / 30 / 1deg]
1-103-010	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight0	ENG	[1 to 12 / 11 / 1]
1-103-011	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight1	ENG	[1 to 12 / 2 / 1]
1-103-012	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight2	ENG	[1 to 12 / 1 / 1]
1-103-013	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight3	ENG	[1 to 12 / 2 / 1]
1-103-014	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight4	ENG	[1 to 12 / 2 / 1]
1-103-015	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight5	ENG	[1 to 12 / 3 / 1]
1-103-016	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight6	ENG	[1 to 12 / 3 / 1]
1-103-017	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight7	ENG	[1 to 12 / 3 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-018	Feed Permit Setting	Fusing Priority Mode:Uncoated:Weight8	ENG	[1 to 12 / 3 / 1]
1-103-030	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 0	ENG	[1 to 12 / 2 / 1]
1-103-031	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 1	ENG	[1 to 12 / 2 / 1]
1-103-032	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 2	ENG	[1 to 12 / 2 / 1]
1-103-033	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 3	ENG	[1 to 12 / 2 / 1]
1-103-034	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 4	ENG	[1 to 12 / 2 / 1]
1-103-035	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 5	ENG	[1 to 12 / 3 / 1]
1-103-036	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 6	ENG	[1 to 12 / 3 / 1]
1-103-037	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 7	ENG	[1 to 12 / 3 / 1]
1-103-038	Feed Permit Setting	Fusing Priority Mode:Matte:Weight 8	ENG	[1 to 12 / 3 / 1]
1-103-050	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 0	ENG	[1 to 12 / 2 / 1]
1-103-051	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 1	ENG	[1 to 12 / 2 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-052	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 2	ENG	[1 to 12 / 2 / 1]
1-103-053	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 3	ENG	[1 to 12 / 2 / 1]
1-103-054	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 4	ENG	[1 to 12 / 2 / 1]
1-103-055	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 5	ENG	[1 to 12 / 3 / 1]
1-103-056	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 6	ENG	[1 to 12 / 3 / 1]
1-103-057	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 7	ENG	[1 to 12 / 3 / 1]
1-103-058	Feed Permit Setting	Fusing Priority Mode:Glossy:Weight 8	ENG	[1 to 12 / 3 / 1]
1-103-070	Feed Permit Setting	Normal: Uncoated Thick 0	ENG	[1 to 12 / 5 / 1]
1-103-071	Feed Permit Setting	Normal: Uncoated Thick 1	ENG	[1 to 12 / 5 / 1]
1-103-072	Feed Permit Setting	Normal: Uncoated Thick 2	ENG	[1 to 12 / 4 / 1]
1-103-073	Feed Permit Setting	Normal: Uncoated Thick 3	ENG	[1 to 12 / 5 / 1]
1-103-074	Feed Permit Setting	Normal: Uncoated Thick 4	ENG	[1 to 12 / 5 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-075	Feed Permit Setting	Normal: Uncoated Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-076	Feed Permit Setting	Normal: Uncoated Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-077	Feed Permit Setting	Normal: Uncoated Thick 7	ENG	[1 to 12 / 6 / 1]
1-103-078	Feed Permit Setting	Normal: Uncoated Thick 8	ENG	[1 to 12 / 6 / 1]
1-103-090	Feed Permit Setting	Normal: Matte Thick 0	ENG	[1 to 12 / 5 / 1]
1-103-091	Feed Permit Setting	Normal: Matte Thick 1	ENG	[1 to 12 / 5 / 1]
1-103-092	Feed Permit Setting	Normal: Matte Thick 2	ENG	[1 to 12 / 5 / 1]
1-103-093	Feed Permit Setting	Normal: Matte Thick 3	ENG	[1 to 12 / 5 / 1]
1-103-094	Feed Permit Setting	Normal: Matte Thick 4	ENG	[1 to 12 / 5 / 1]
1-103-095	Feed Permit Setting	Normal: Matte Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-096	Feed Permit Setting	Normal: Matte Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-097	Feed Permit Setting	Normal: Matte Thick 7	ENG	[1 to 12 / 6 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-098	Feed Permit Setting	Normal: Matte Thick 8	ENG	[1 to 12 / 6 / 1]
1-103-110	Feed Permit Setting	Normal: Glossy Thick 0	ENG	[1 to 12 / 5 / 1]
1-103-111	Feed Permit Setting	Normal: Glossy Thick 1	ENG	[1 to 12 / 5 / 1]
1-103-112	Feed Permit Setting	Normal: Glossy Thick 2	ENG	[1 to 12 / 5 / 1]
1-103-113	Feed Permit Setting	Normal: Glossy Thick 3	ENG	[1 to 12 / 5 / 1]
1-103-114	Feed Permit Setting	Normal: Glossy Thick 4	ENG	[1 to 12 / 5 / 1]
1-103-115	Feed Permit Setting	Normal: Glossy Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-116	Feed Permit Setting	Normal: Glossy Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-117	Feed Permit Setting	Normal: Glossy Thick 7	ENG	[1 to 12 / 6 / 1]
1-103-118	Feed Permit Setting	Normal: Glossy Thick 8	ENG	[1 to 12 / 6 / 1]
1-103-130	Feed Permit Setting	Output Priority: Uncoated Thick 0	ENG	[1 to 12 / 10 / 1]
1-103-131	Feed Permit Setting	Output Priority: Uncoated Thick 1	ENG	[1 to 12 / 9 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-132	Feed Permit Setting	Output Priority: Uncoated Thick 2	ENG	[1 to 12 / 7 / 1]
1-103-133	Feed Permit Setting	Output Priority: Uncoated Thick 3	ENG	[1 to 12 / 5 / 1]
1-103-134	Feed Permit Setting	Output Priority: Uncoated Thick 4	ENG	[1 to 12 / 5 / 1]
1-103-135	Feed Permit Setting	Output Priority: Uncoated Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-136	Feed Permit Setting	Output Priority: Uncoated Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-137	Feed Permit Setting	Output Priority: Uncoated Thick 7	ENG	[1 to 12 / 6 / 1]
1-103-138	Feed Permit Setting	Output Priority: Uncoated Thick 8	ENG	[1 to 12 / 6 / 1]
1-103-150	Feed Permit Setting	Output Priority: Matte Thick 0	ENG	[1 to 12 / 10 / 1]
1-103-151	Feed Permit Setting	Output Priority: Matte Thick 1	ENG	[1 to 12 / 10 / 1]
1-103-152	Feed Permit Setting	Output Priority: Matte Thick 2	ENG	[1 to 12 / 8 / 1]
1-103-153	Feed Permit Setting	Output Priority: Matte Thick 3	ENG	[1 to 12 / 9 / 1]
1-103-154	Feed Permit Setting	Output Priority: Matte Thick 4	ENG	[1 to 12 / 5 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-155	Feed Permit Setting	Output Priority: Matte Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-156	Feed Permit Setting	Output Priority: Matte Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-157	Feed Permit Setting	Output Priority: Matte Thick 7	ENG	[1 to 12 / 6 / 1]
1-103-158	Feed Permit Setting	Output Priority: Matte Thick 8	ENG	[1 to 12 / 6 / 1]
1-103-170	Feed Permit Setting	Output Priority: Glossy Thick 0	ENG	[1 to 12 / 10 / 1]
1-103-171	Feed Permit Setting	Output Priority: Glossy Thick 1	ENG	[1 to 12 / 10 / 1]
1-103-172	Feed Permit Setting	Output Priority: Glossy Thick 2	ENG	[1 to 12 / 8 / 1]
1-103-173	Feed Permit Setting	Output Priority: Glossy Thick 3	ENG	[1 to 12 / 9 / 1]
1-103-174	Feed Permit Setting	Output Priority: Glossy Thick 4	ENG	[1 to 12 / 5 / 1]
1-103-175	Feed Permit Setting	Output Priority: Glossy Thick 5	ENG	[1 to 12 / 6 / 1]
1-103-176	Feed Permit Setting	Output Priority: Glossy Thick 6	ENG	[1 to 12 / 6 / 1]
1-103-177	Feed Permit Setting	Output Priority: Glossy Thick 7	ENG	[1 to 12 / 6 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-103-178	Feed Permit Setting	Output Priority: Glossy Thick 8	ENG	[1 to 12 / 6 / 1]
1-106-001	Fusing Temp. Display	Heating Roller Center	ENG	[-50 to 300 / 0 / 1deg]
1-106-002	Fusing Temp. Display	Heating Roller Ends	ENG	[-50 to 300 / 0 / 1deg]
1-106-003	Fusing Temp. Display	Heating Roller Full-Bd Ends	ENG	[-50 to 300 / 0 / 1deg]
1-106-004	Fusing Temp. Display	Heating Roller Rear	ENG	[-50 to 300 / 0 / 1deg]
1-106-005	Fusing Temp. Display	Pressure Roller Center	ENG	[-50 to 300 / 0 / 1deg]
1-106-006	Fusing Temp. Display	Pressure Roller Ends	ENG	[-50 to 300 / 0 / 1deg]
1-106-007	Fusing Temp. Display	Hot Roller	ENG	[-50 to 300 / 0 / 1deg]
1-107-001	Standby Target Temp. Setting	Stanby:Center	ENG	[0 to 200 / * / 1deg] *Pro 8200S:150 *Pro 8210S/8210Y:155 *Pro 8220S/8220Y:160
1-107-002	Standby Target Temp. Setting	Stanby:Press	ENG	[0 to 200 / 90 / 1deg]
1-107-005	Standby Target Temp. Setting	Low Power:Center	ENG	[0 to 200 / * / 1deg] *Pro 8200S:150 *Pro 8210S/8210Y:155 *Pro 8220S/8220Y:75
1-107-	Standby Target Temp. Setting	Low Power:Press	ENG	[0 to 200 / * / 1deg] *Pro 8200S:75

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				*Pro 8210S/8210Y:75 *Pro 8220S/8220Y:65
1-107-007	Standby Target Temp. Setting	Print Ready:Center	ENG	[0 to 200 / 175 / 1deg] *Pro 8200S:165 *Pro 8210S/8210Y:170 *Pro 8220S/8220Y:175
1-107-008	Standby Target Temp. Setting	Print Ready:Press	ENG	[0 to 200 / 90 / 1deg]
1-108-001	After Reload/Job Target Temp.	Center	ENG	[0 to 200 / 175 / 1deg] *Pro 8200S:165 *Pro 8210S/8210Y:170 *Pro 8220S/8220Y:175
1-108-002	After Reload/Job Target Temp.	Press	ENG	[0 to 200 / 90 / 1deg]
1-111-001	Environment Correction:Fusing	Temp.: Threshold: Low	ENG	[0 to 100 / 17 / 1deg]
1-111-002	Environment Correction:Fusing	Temp.: Threshold: High	ENG	[0 to 100 / 30 / 1deg]
1-111-003	Environment Correction:Fusing	Low Temp. Correction	ENG	[0 to 100 / 10 / 1deg]
1-111-004	Environment Correction:Fusing	High Temp. Correction	ENG	[0 to 100 / 5 / 1deg]
1-111-005	Environment Correction:Fusing	Job Low Temp. Correction	ENG	[0 to 1000 / 100 / 0.1deg]
1-111-006	Environment Correction:Fusing	Job High Temp. Correction	ENG	[0 to 1000 / 0 / 0.1deg]
1-111-007	Environment Correction:Fusing	Job Low Temp. Correction:Sp.	ENG	[0 to 1000 / 100 / 0.1deg]
1-111-008	Environment Correction:Fusing	Job High Temp. Correction:Sp.	ENG	[0 to 1000 / 0 / 0.1deg]
1-111-009	Environment Correction:Fusing	Job Low Temp. Correction: Coated	ENG	[0 to 1000 / 100 / 0.1deg]
1-111-010	Environment Correction:Fusing	Job High Temp. Correction: Coated	ENG	[0 to 1000 / 0 / 0.1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-111-011	Environment Correction:Fusing	Job Low Temp. Correction:Special:Coated	ENG	[0 to 1000 / 100 / 0.1deg]
1-111-012	Environment Correction:Fusing	Job High Temp. Correction:SpecialCoated	ENG	[0 to 1000 / 0 / 0.1deg]
1-114-001	Heat Storage Status	Temp.:Threshold:Press	ENG	[0 to 200 / 60 / 1deg]
1-114-002	Heat Storage Status	Temp.:Threshold:Atmosphere	ENG	[0 to 200 / 100 / 1deg]
1-115-008	Target Temp. Correction	Temp.:Delta:Heat:FullSize:Prefeed	ENG	[-100 to 100 / -15 / 1deg]
1-117-003	Time Control	Control TimeA1	ENG	[0 to 1000 / 90 / 1sec]
1-117-004	Time Control	Control TimeA2	ENG	[0 to 1000 / 250 / 1sec]
1-117-005	Time Control	Temp:A:Center1	ENG	[-20 to 20 / 0 / 1deg]
1-117-006	Time Control	Temp:A:End1	ENG	[-20 to 20 / 0 / 1deg]
1-117-007	Time Control	Temp:A:Full-Bleed:1	ENG	[-20 to 20 / 0 / 1deg]
1-117-008	Time Control	Temp:A:Center2	ENG	[-20 to 20 / 0 / 1deg]
1-117-009	Time Control	Temp:A:End2	ENG	[-20 to 20 / 0 / 1deg]
1-117-	Time Control	Temp:A:Full-Bleed:2	ENG	[-20 to 20 / 0 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
1-117-011	Time Control	Control TimeB1	ENG	[0 to 1000 / 90 / 1sec]
1-117-012	Time Control	Control TimeB2	ENG	[0 to 1000 / 250 / 1sec]
1-117-013	Time Control	Temp:B:Center1	ENG	[-20 to 20 / 0 / 1deg]
1-117-014	Time Control	Temp:B:End1	ENG	[-20 to 20 / 0 / 1deg]
1-117-015	Time Control	Temp:B:Full-Bleed:1	ENG	[-20 to 20 / 0 / 1deg]
1-117-016	Time Control	Temp:B:Center2	ENG	[-20 to 20 / 0 / 1deg]
1-117-017	Time Control	Temp:B:End2	ENG	[-20 to 20 / -5 / 1deg]
1-117-018	Time Control	Temp:B:Full-Bleed:2	ENG	[-20 to 20 / -5 / 1deg]
1-117-019	Time Control	Control TimeC1	ENG	[0 to 1000 / 90 / 1sec]
1-117-020	Time Control	Control TimeC2	ENG	[0 to 1000 / 250 / 1sec]
1-117-021	Time Control	Temp:C:Center1	ENG	[-20 to 20 / -5 / 1deg]
1-117-	Time Control	Temp:C:End1	ENG	[-20 to 20 / -5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
1-117-023	Time Control	Temp:C:Full-Bleed:1	ENG	[-20 to 20 / -5 / 1deg]
1-117-024	Time Control	Temp:C:Center2	ENG	[-20 to 20 / -5 / 1deg]
1-117-025	Time Control	Temp:C:End2	ENG	[-20 to 20 / -5 / 1deg]
1-117-026	Time Control	Temp:C:Full-Bleed:2	ENG	[-20 to 20 / -5 / 1deg]
1-117-027	Time Control	Control TimeD1	ENG	[0 to 1000 / 30 / 1sec]
1-117-028	Time Control	Control TimeD2	ENG	[0 to 1000 / 250 / 1sec]
1-117-029	Time Control	Temp:D:Center1	ENG	[-20 to 20 / -5 / 1deg]
1-117-030	Time Control	Temp:D:End1	ENG	[-20 to 20 / -5 / 1deg]
1-117-031	Time Control	Temp:D:Full-Bleed:1	ENG	[-20 to 20 / -5 / 1deg]
1-117-032	Time Control	Temp:D:Center2	ENG	[-20 to 20 / -5 / 1deg]
1-117-033	Time Control	Temp:D:End2	ENG	[-20 to 20 / -5 / 1deg]
1-117-	Time Control	Temp:D:Full-Bleed:2	ENG	[-20 to 20 / -5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
1-117-100	Time Control	Category1:Weight0	ENG	[1 to 4 / 3 / 1]
1-117-101	Time Control	Category1:Weight1	ENG	[1 to 4 / 3 / 1]
1-117-102	Time Control	Category1:Weight2	ENG	[1 to 4 / 3 / 1]
1-117-103	Time Control	Category1:Weight3	ENG	[1 to 4 / 3 / 1]
1-117-104	Time Control	Category1:Weight4	ENG	[1 to 4 / 3 / 1]
1-117-105	Time Control	Category1:Weight5	ENG	[1 to 4 / 3 / 1]
1-117-106	Time Control	Category1:Weight6	ENG	[1 to 4 / 3 / 1]
1-117-107	Time Control	Category1:Weight7	ENG	[1 to 4 / 3 / 1]
1-117-108	Time Control	Category1:Weight8	ENG	[1 to 4 / 3 / 1]
1-117-120	Time Control	Category2:Weight0	ENG	[1 to 4 / 3 / 1]
1-117-121	Time Control	Category2:Weight1	ENG	[1 to 4 / 3 / 1]
1-117-	Time Control	Category2:Weight2	ENG	[1 to 4 / 4 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				
1-117-123	Time Control	Category2:Weight3	ENG	[1 to 4 / 3 / 1]
1-117-124	Time Control	Category2:Weight4	ENG	[1 to 4 / 3 / 1]
1-117-125	Time Control	Category2:Weight5	ENG	[1 to 4 / 3 / 1]
1-117-126	Time Control	Category2:Weight6	ENG	[1 to 4 / 3 / 1]
1-117-127	Time Control	Category2:Weight7	ENG	[1 to 4 / 3 / 1]
1-117-128	Time Control	Category2:Weight8	ENG	[1 to 4 / 3 / 1]
1-117-140	Time Control	Category3:Weight0	ENG	[1 to 4 / 3 / 1]
1-117-141	Time Control	Category3:Weight1	ENG	[1 to 4 / 3 / 1]
1-117-142	Time Control	Category3:Weight2	ENG	[1 to 4 / 4 / 1]
1-117-143	Time Control	Category3:Weight3	ENG	[1 to 4 / 1 / 1]
1-117-144	Time Control	Category3:Weight4	ENG	[1 to 4 / 1 / 1]
1-117-	Time Control	Category3:Weight5	ENG	[1 to 4 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
145				
1-117-146	Time Control	Category3:Weight6	ENG	[1 to 4 / 1 / 1]
1-117-147	Time Control	Category3:Weight7	ENG	[1 to 4 / 1 / 1]
1-117-148	Time Control	Category3:Weight8	ENG	[1 to 4 / 1 / 1]
1-117-160	Time Control	Category4:Weight0	ENG	[1 to 4 / 1 / 1]
1-117-161	Time Control	Category4:Weight1	ENG	[1 to 4 / 1 / 1]
1-117-162	Time Control	Category4:Weight2	ENG	[1 to 4 / 1 / 1]
1-117-163	Time Control	Category4:Weight3	ENG	[1 to 4 / 1 / 1]
1-117-164	Time Control	Category4:Weight4	ENG	[1 to 4 / 1 / 1]
1-117-165	Time Control	Category4:Weight5	ENG	[1 to 4 / 1 / 1]
1-117-166	Time Control	Category4:Weight6	ENG	[1 to 4 / 1 / 1]
1-117-167	Time Control	Category4:Weight7	ENG	[1 to 4 / 1 / 1]
1-117-	Time Control	Category4:Weight8	ENG	[1 to 4 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
168				
1-117-180	Time Control	Category5:Weight0	ENG	[1 to 4 / 1 / 1]
1-117-181	Time Control	Category5:Weight1	ENG	[1 to 4 / 1 / 1]
1-117-182	Time Control	Category5:Weight2	ENG	[1 to 4 / 1 / 1]
1-117-183	Time Control	Category5:Weight3	ENG	[1 to 4 / 1 / 1]
1-117-184	Time Control	Category5:Weight4	ENG	[1 to 4 / 1 / 1]
1-117-185	Time Control	Category5:Weight5	ENG	[1 to 4 / 1 / 1]
1-117-186	Time Control	Category5:Weight6	ENG	[1 to 4 / 1 / 1]
1-117-187	Time Control	Category5:Weight7	ENG	[1 to 4 / 1 / 1]
1-117-188	Time Control	Category5:Weight8	ENG	[1 to 4 / 1 / 1]
1-118-001	Norm Paper:Init Temp Calc	Start Time:95ppm	ENG	[0 to 50 / 35 / 0.1sec]
1-118-002	Norm Paper:Init Temp Calc	Start Time:110ppm	ENG	[0 to 50 / 10 / 0.1sec]
1-118-	Norm Paper:Init Temp Calc	Start Time:135ppm	ENG	[0 to 50 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
1-118-004	Norm Paper:Init Temp Calc	Start Time:150ppm	ENG	[0 to 50 / 0 / 0.1sec]
1-118-005	Norm Paper:Init Temp Calc	Continuous Time:95ppm	ENG	[0 to 500 / 100 / 0.1sec]
1-118-006	Norm Paper:Init Temp Calc	Continuous Time:110ppm	ENG	[0 to 500 / 100 / 0.1sec]
1-118-007	Norm Paper:Init Temp Calc	Continuous Time:135ppm	ENG	[0 to 500 / 100 / 0.1sec]
1-118-008	Norm Paper:Init Temp Calc	Continuous Time:150ppm	ENG	[0 to 500 / 100 / 0.1sec]
1-118-100	Norm Paper:Init Temp Calc	Plain:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-118-101	Norm Paper:Init Temp Calc	Plain:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-118-102	Norm Paper:Init Temp Calc	Plain:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-118-103	Norm Paper:Init Temp Calc	Plain:Weight 3	ENG	[0 to 30 / 10 / 1deg]
1-118-104	Norm Paper:Init Temp Calc	Plain:Weight 4	ENG	[0 to 30 / 10 / 1deg]
1-118-105	Norm Paper:Init Temp Calc	Plain:Weight 5	ENG	[0 to 30 / 10 / 1deg]
1-118-	Norm Paper:Init Temp Calc	Plain:Weight 6	ENG	[0 to 30 / 10 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
1-118-107	Norm Paper:Init Temp Calc	Plain:Weight 7	ENG	[0 to 30 / 10 / 1deg]
1-118-108	Norm Paper:Init Temp Calc	Plain:Weight 8	ENG	[0 to 30 / 10 / 1deg]
1-118-120	Norm Paper:Init Temp Calc	Matte:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-118-121	Norm Paper:Init Temp Calc	Matte:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-118-122	Norm Paper:Init Temp Calc	Matte:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-118-123	Norm Paper:Init Temp Calc	Matte:Weight 3	ENG	[0 to 30 / 10 / 1deg]
1-118-124	Norm Paper:Init Temp Calc	Matte:Weight 4	ENG	[0 to 30 / 10 / 1deg]
1-118-125	Norm Paper:Init Temp Calc	Matte:Weight 5	ENG	[0 to 30 / 10 / 1deg]
1-118-126	Norm Paper:Init Temp Calc	Matte:Weight 6	ENG	[0 to 30 / 10 / 1deg]
1-118-127	Norm Paper:Init Temp Calc	Matte:Weight 7	ENG	[0 to 30 / 10 / 1deg]
1-118-128	Norm Paper:Init Temp Calc	Matte:Weight 8	ENG	[0 to 30 / 10 / 1deg]
1-118-	Norm Paper:Init Temp Calc	Glossy:Weight 0	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140				
1-118-141	Norm Paper:Init Temp Calc	Glossy:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-118-142	Norm Paper:Init Temp Calc	Glossy:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-118-143	Norm Paper:Init Temp Calc	Glossy:Weight 3	ENG	[0 to 30 / 10 / 1deg]
1-118-144	Norm Paper:Init Temp Calc	Glossy:Weight 4	ENG	[0 to 30 / 10 / 1deg]
1-118-145	Norm Paper:Init Temp Calc	Glossy:Weight 5	ENG	[0 to 30 / 10 / 1deg]
1-118-146	Norm Paper:Init Temp Calc	Glossy:Weight 6	ENG	[0 to 30 / 10 / 1deg]
1-118-147	Norm Paper:Init Temp Calc	Glossy:Weight 7	ENG	[0 to 30 / 10 / 1deg]
1-118-148	Norm Paper:Init Temp Calc	Glossy:Weight 8	ENG	[0 to 30 / 10 / 1deg]
1-118-165	Norm Paper:Init Temp Calc	Envelope:Weight 5	ENG	[0 to 30 / 10 / 1deg]
1-118-166	Norm Paper:Init Temp Calc	Envelope:Weight 6	ENG	[0 to 30 / 10 / 1deg]
1-118-167	Norm Paper:Init Temp Calc	Envelope:Weight 7	ENG	[0 to 30 / 10 / 1deg]
1-118-	Norm Paper:Init Temp Calc	OHP	ENG	[0 to 30 / 10 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
175				
1-118-180	Norm Paper:Init Temp Calc	CCP:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-118-181	Norm Paper:Init Temp Calc	CCP:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-118-182	Norm Paper:Init Temp Calc	CCP:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-118-183	Norm Paper:Init Temp Calc	CCP:Weight 3	ENG	[0 to 30 / 10 / 1deg]
1-118-184	Norm Paper:Init Temp Calc	CCP:Weight 4	ENG	[0 to 30 / 10 / 1deg]
1-118-185	Norm Paper:Init Temp Calc	CCP:Weight 5	ENG	[0 to 30 / 10 / 1deg]
1-118-186	Norm Paper:Init Temp Calc	CCP:Weight 6	ENG	[0 to 30 / 10 / 1deg]
1-118-187	Norm Paper:Init Temp Calc	CCP:Weight 7	ENG	[0 to 30 / 10 / 1deg]
1-118-188	Norm Paper:Init Temp Calc	CCP:Weight 8	ENG	[0 to 30 / 10 / 1deg]
1-119-001	Norm Paper:Init Temp Calc2	Continuous Time:95ppm	ENG	[0 to 500 / 165 / 0.1sec]
1-119-002	Norm Paper:Init Temp Calc2	Continuous Time:110ppm	ENG	[0 to 500 / 140 / 0.1sec]
1-119-	Norm Paper:Init Temp Calc2	Continuous Time:135ppm	ENG	[0 to 500 / 130 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
1-119-004	Norm Paper:Init Temp Calc2	Continuous Time:150ppm	ENG	[0 to 500 / 130 / 0.1sec]
1-119-100	Norm Paper:Init Temp Calc2	Plain:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-119-101	Norm Paper:Init Temp Calc2	Plain:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-119-102	Norm Paper:Init Temp Calc2	Plain:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-119-103	Norm Paper:Init Temp Calc2	Plain:Weight 3	ENG	[0 to 30 / 20 / 1deg]
1-119-104	Norm Paper:Init Temp Calc2	Plain:Weight 4	ENG	[0 to 30 / 20 / 1deg]
1-119-105	Norm Paper:Init Temp Calc2	Plain:Weight 5	ENG	[0 to 30 / 20 / 1deg]
1-119-106	Norm Paper:Init Temp Calc2	Plain:Weight 6	ENG	[0 to 30 / 25 / 1deg]
1-119-107	Norm Paper:Init Temp Calc2	Plain:Weight 7	ENG	[0 to 30 / 25 / 1deg]
1-119-108	Norm Paper:Init Temp Calc2	Plain:Weight 8	ENG	[0 to 30 / 25 / 1deg]
1-119-120	Norm Paper:Init Temp Calc2	Matte:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-119-	Norm Paper:Init Temp Calc2	Matte:Weight 1	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
121				
1-119-122	Norm Paper:Init Temp Calc2	Matte:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-119-123	Norm Paper:Init Temp Calc2	Matte:Weight 3	ENG	[0 to 30 / 20 / 1deg]
1-119-124	Norm Paper:Init Temp Calc2	Matte:Weight 4	ENG	[0 to 30 / 20 / 1deg]
1-119-125	Norm Paper:Init Temp Calc2	Matte:Weight 5	ENG	[0 to 30 / 20 / 1deg]
1-119-126	Norm Paper:Init Temp Calc2	Matte:Weight 6	ENG	[0 to 30 / 25 / 1deg]
1-119-127	Norm Paper:Init Temp Calc2	Matte:Weight 7	ENG	[0 to 30 / 25 / 1deg]
1-119-128	Norm Paper:Init Temp Calc2	Matte:Weight 8	ENG	[0 to 30 / 25 / 1deg]
1-119-140	Norm Paper:Init Temp Calc2	Glossy:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-119-141	Norm Paper:Init Temp Calc2	Glossy:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-119-142	Norm Paper:Init Temp Calc2	Glossy:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-119-143	Norm Paper:Init Temp Calc2	Glossy:Weight 3	ENG	[0 to 30 / 20 / 1deg]
1-119-	Norm Paper:Init Temp Calc2	Glossy:Weight 4	ENG	[0 to 30 / 20 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
144				
1-119-145	Norm Paper:Init Temp Calc2	Glossy:Weight 5	ENG	[0 to 30 / 20 / 1deg]
1-119-146	Norm Paper:Init Temp Calc2	Glossy:Weight 6	ENG	[0 to 30 / 25 / 1deg]
1-119-147	Norm Paper:Init Temp Calc2	Glossy:Weight 7	ENG	[0 to 30 / 25 / 1deg]
1-119-148	Norm Paper:Init Temp Calc2	Glossy:Weight 8	ENG	[0 to 30 / 25 / 1deg]
1-119-165	Norm Paper:Init Temp Calc2	Envelope:Weight 5	ENG	[0 to 30 / 20 / 1deg]
1-119-166	Norm Paper:Init Temp Calc2	Envelope:Weight 6	ENG	[0 to 30 / 25 / 1deg]
1-119-167	Norm Paper:Init Temp Calc2	Envelope:Weight 7	ENG	[0 to 30 / 25 / 1deg]
1-119-175	Norm Paper:Init Temp Calc2	OHP	ENG	[0 to 30 / 20 / 1deg]
1-119-180	Norm Paper:Init Temp Calc2	CCP:Weight 0	ENG	[0 to 30 / 5 / 1deg]
1-119-181	Norm Paper:Init Temp Calc2	CCP:Weight 1	ENG	[0 to 30 / 5 / 1deg]
1-119-182	Norm Paper:Init Temp Calc2	CCP:Weight 2	ENG	[0 to 30 / 5 / 1deg]
1-119-	Norm Paper:Init Temp Calc2	CCP:Weight 3	ENG	[0 to 30 / 20 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
183				
1-119-184	Norm Paper:Init Temp Calc2	CCP:Weight 4	ENG	[0 to 30 / 20 / 1deg]
1-119-185	Norm Paper:Init Temp Calc2	CCP:Weight 5	ENG	[0 to 30 / 20 / 1deg]
1-119-186	Norm Paper:Init Temp Calc2	CCP:Weight 6	ENG	[0 to 30 / 25 / 1deg]
1-119-187	Norm Paper:Init Temp Calc2	CCP:Weight 7	ENG	[0 to 30 / 25 / 1deg]
1-119-188	Norm Paper:Init Temp Calc2	CCP:Weight 8	ENG	[0 to 30 / 25 / 1deg]
1-121-001	Switch:Rotation Start/Stop	Time:After Reload	ENG	[0 to 999 / * / 1sec] *Pro 8200:90 *Pro 8210S/8210Y:105 *Pro 8220S/8220Y:125
1-121-002	Switch:Rotation Start/Stop	Time:After Recovery	ENG	[0 to 100 / 10 / 1sec]
1-121-003	Switch:Rotation Start/Stop	Time:After Job	ENG	[0 to 100 / 30 / 1sec]
1-121-004	Switch:Rotation Start/Stop	Press Temp.:After Reload	ENG	[0 to 160 / 160 / 1deg]
1-121-005	Switch:Rotation Start/Stop	End Uniform Start Temp.:B4	ENG	[0 to 250 / 210 / 1deg]
1-121-006	Switch:Rotation Start/Stop	End Uniform Start Temp.:LT	ENG	[0 to 250 / 210 / 1deg]
1-	Switch:Rotation	End Uniform Start Temp.:A5	ENG	[0 to 250 / 210 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
121-007	Start/Stop			
1-121-008	Switch:Rotation Start/Stop	Overshoot Prevent Temp.	ENG	[0 to 250 / 215 / 1deg]
1-121-009	Switch:Rotation Start/Stop	Overshoot Prevent Time	ENG	[0 to 100 / 20 / 1sec]
1-121-010	Switch:Rotation Start/Stop	Rotation Time Ctrl(Stop)	ENG	[0 to 300 / 30 / 0.1sec]
1-121-011	Switch:Rotation Start/Stop	Rotation Time Ctrl(Stop):Error	ENG	[0 to 300 / 30 / 0.1sec]
1-122-001	Standby Rotation Setting	Rotation Interval	ENG	[0 to 240 / 0 / 1min]
1-122-002	Standby Rotation Setting	Rotation Time	ENG	[0 to 600 / 0 / 0.1sec]
1-123-001	Rotation Speed Setting	Rotation Speed	ENG	[0 to 1 / 1 / 1]
1-124-001	CPM Down Setting	Low:Down Temp.	ENG	[-50 to 0 / -11 / 1deg]
1-124-002	CPM Down Setting	Low:Up Temp.	ENG	[-50 to 0 / -6 / 1deg]
1-124-003	CPM Down Setting	Low :1st CPM	ENG	[10 to 100 / 80 / 5%]
1-124-004	CPM Down Setting	Low :2nd CPM	ENG	[10 to 100 / 65 / 5%]
1-	CPM Down Setting	Low :3rd CPM	ENG	[10 to 100 / 50 / 5%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124-005				
1-124-006	CPM Down Setting	High:1st CPM	ENG	[10 to 100 / 80 / 5%]
1-124-007	CPM Down Setting	High:2nd CPM	ENG	[10 to 100 / 60 / 5%]
1-124-008	CPM Down Setting	High:3rd CPM	ENG	[10 to 100 / 25 / 5%]
1-124-012	CPM Down Setting	High:1st CPM Down Temp.:A5	ENG	[100 to 250 / 246 / 1deg]
1-124-013	CPM Down Setting	High:2nd CPM Down Temp.:A5	ENG	[100 to 250 / 248 / 1deg]
1-124-014	CPM Down Setting	High:3rd CPM Down Temp.:A5	ENG	[100 to 250 / 250 / 1deg]
1-124-015	CPM Down Setting	High:1st CPM Down Temp.:A4	ENG	[100 to 250 / 246 / 1deg]
1-124-016	CPM Down Setting	High:2nd CPM Down Temp.:A4	ENG	[100 to 250 / 248 / 1deg]
1-124-017	CPM Down Setting	High:3rd CPM Down Temp.:A4	ENG	[100 to 250 / 250 / 1deg]
1-124-018	CPM Down Setting	Judging Interval	ENG	[1 to 250 / 1 / 1sec]
1-124-020	CPM Down Setting	Initial CPM Down 95ppm	ENG	[0 to 200 / 19 / 1sec]
1-	CPM Down Setting	Initial CPM Down 110ppm	ENG	[0 to 200 / 16 / 1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124-021				
1-124-022	CPM Down Setting	Initial CPM Down 135ppm	ENG	[0 to 200 / 15 / 1sec]
1-124-023	CPM Down Setting	Initial CPM Down 150ppm	ENG	[0 to 200 / 15 / 1sec]
1-124-101	CPM Down Setting	High:1st CPM Down Temp.:Div1	ENG	[100 to 250 / 246 / 1deg]
1-124-102	CPM Down Setting	High:2nd Down Temp.:Div1	ENG	[100 to 250 / 248 / 1deg]
1-124-103	CPM Down Setting	High:3rd Down Temp.:Div1	ENG	[100 to 250 / 250 / 1deg]
1-124-111	CPM Down Setting	High:1st CPM Down Temp.:Div2	ENG	[100 to 250 / 235 / 1deg]
1-124-112	CPM Down Setting	High:2nd Down Temp.:Div2	ENG	[100 to 250 / 238 / 1deg]
1-124-113	CPM Down Setting	High:3rd Down Temp.:Div2	ENG	[100 to 250 / 241 / 1deg]
1-124-121	CPM Down Setting	High:1st CPM Down Temp.:Div3	ENG	[100 to 250 / 235 / 1deg]
1-124-122	CPM Down Setting	High:2nd Down Temp.:Div3	ENG	[100 to 250 / 238 / 1deg]
1-124-123	CPM Down Setting	High:3rd Down Temp.:Div3	ENG	[100 to 250 / 241 / 1deg]
1-	CPM Down Setting	High:1st CPM Down Temp.:Div4	ENG	[100 to 250 / 235 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124-131				1deg]
1-124-132	CPM Down Setting	High:2nd Down Temp.:Div4	ENG	[100 to 250 / 238 / 1deg]
1-124-133	CPM Down Setting	High:3rd Down Temp.:Div4	ENG	[100 to 250 / 241 / 1deg]
1-124-141	CPM Down Setting	High:1st CPM Down Temp.:Div5	ENG	[100 to 250 / 235 / 1deg]
1-124-142	CPM Down Setting	High:2nd Down Temp.:Div5	ENG	[100 to 250 / 238 / 1deg]
1-124-143	CPM Down Setting	High:3rd Down Temp.:Div5	ENG	[100 to 250 / 241 / 1deg]
1-131-001	Continues Print Mode Switch	Output Priority Mode Setting	ENG	[0 to 2 / 1 / 1] 0: Fusing Quality Mode 1: 2:Productivety Mode
1-132-001	Maximum Duty Switch	Control Method Switch	ENG	[0 to 1 / 1 / 1] 0:Fixed Duty 1:Power Control
1-132-003	Maximum Duty Switch	Manual Offset	ENG	[0 to 8 / 4 / 1] 0: -400W 1: -300W 2: -200W 3: -100W 4: 0W 5: +100W 6: +200W 7: +300W 8: +400W
1-132-005	Maximum Duty Switch	Flicker Decrease Mode	ENG	[0 to 1 / 0 / 1] 0: OFF 1:ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-132-011	Power Control	AC Voltage Value	ENG	[0 to 300 / 0 / 1]
1-132-012	Power Control	Judgment Voltage	ENG	[0 to 300 / 0 / 1]
1-132-013	Power Control	Heater Switching Pattern	ENG	[1 to 3 / 1 / 1]
1-133-001	Stop Image: Continu.SlipSheets	ON/OFF	ENG	[0 to 1 / 0 / 1] 0: OFF 1:ON
1-133-002	Stop Image: Continu.SlipSheets	Sheet Count	ENG	[1 to 99 / 10 / 1sheet]
1-141-001	Fusing SC Error Info	SC Number	ENG	[0 to 99999 / 0 / 1]
1-141-101	Fusing SC Error Info	Htg Rlr:Ctr Differe Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-103	Fusing SC Error Info	Htg Rlr:Ctr Compensa Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-104	Fusing SC Error Info	Htg Rlr:End Different Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-106	Fusing SC Error Info	Htg Rlr:End Compensate Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-108	Fusing SC Error Info	Htg Rlr:Full-Bd End Different Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-110	Fusing SC Error Info	Htg Rlr:Full-Bd End Compensate Tmp1	ENG	[-100 to 300 / 0 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-141-111	Fusing SC Error Info	Htg Rlr:Rear Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-112	Fusing SC Error Info	Press Roller:Ctr Differe Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-114	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-115	Fusing SC Error Info	Press Roller:End Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-116	Fusing SC Error Info	Fusing Roller:Surface Varied Op Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-118	Fusing SC Error Info	Fusing Roller:Surface Compensate Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-119	Fusing SC Error Info	Fusing Roller:Roll Core Temp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-120	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Differe Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-122	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Compensa Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-123	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Different Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-125	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Compensate Tmp1	ENG	[-100 to 300 / 0 / 1deg]
1-141-151	Fusing SC Error Info	Htg Rlr:Ctr Differe Tmp2	ENG	[-100 to 300 / 0 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-141-153	Fusing SC Error Info	Htg Rlr:Ctr Compensa Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-154	Fusing SC Error Info	Htg Rlr:End Different Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-156	Fusing SC Error Info	Htg Rlr:End Compensate Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-158	Fusing SC Error Info	Htg Rlr:Full-Bd End Different Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-160	Fusing SC Error Info	Htg Rlr:Full-Bd End Compensate Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-161	Fusing SC Error Info	Htg Rlr:Rear Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-162	Fusing SC Error Info	Press Roller:Ctr Differe Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-164	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-165	Fusing SC Error Info	Press Roller:End Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-166	Fusing SC Error Info	Fusing Roller:Surface Varied Op Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-168	Fusing SC Error Info	Fusing Roller:Surface Compensate Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-169	Fusing SC Error Info	Fusing Roller:Roll Core Temp2	ENG	[-100 to 300 / 0 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-141-170	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Differe Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-172	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Compensa Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-173	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Different Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-175	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Compensate Tmp2	ENG	[-100 to 300 / 0 / 1deg]
1-141-201	Fusing SC Error Info	Htg Rlr:Ctr Differe Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-203	Fusing SC Error Info	Htg Rlr:Ctr Compensa Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-204	Fusing SC Error Info	Htg Rlr:End Different Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-206	Fusing SC Error Info	Htg Rlr:End Compensate Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-208	Fusing SC Error Info	Htg Rlr:Full-Bd End Different Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-210	Fusing SC Error Info	Htg Rlr:Full-Bd End Compensate Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-211	Fusing SC Error Info	Htg Rlr:Rear Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-212	Fusing SC Error Info	Press Roller:Ctr Differe Tmp3	ENG	[-100 to 300 / 0 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-141-214	Fusing SC Error Info	Press Roller:Ctr Compensa Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-215	Fusing SC Error Info	Press Roller:End Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-216	Fusing SC Error Info	Fusing Roller:Surface Varied Op Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-218	Fusing SC Error Info	Fusing Roller:Surface Compensate Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-219	Fusing SC Error Info	Fusing Roller:Roll Core Temp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-220	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Differe Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-222	Fusing SC Error Info	Htg Rlr:High Tmp Detec:Ctr Compensa Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-223	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Different Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-141-225	Fusing SC Error Info	Htg Rlr:High Tmp Detec:End Compensate Tmp3	ENG	[-100 to 300 / 0 / 1deg]
1-142-001	Fusing Jam Detection	SC Display	ENG	[0 to 1 / 0 / 1]
1-151-001	Pressure Setting	Pressure Change ON/OFF	ENG	[0 to 1 / 1 / 1] 0: Operation OFF 1:Operation ON
1-151-011	Pressure Setting	Pressure Position1	ENG	[0 to 10000 / 630 / 10msec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-151-012	Pressure Setting	Pressure Position2	ENG	[0 to 10000 / 1410 / 10msec]
1-151-013	Pressure Setting	Pressure Position3	ENG	[0 to 10000 / 1410 / 10msec]
1-151-014	Pressure Setting	Pressure Position4	ENG	[0 to 10000 / 600 / 10msec]
1-151-015	Pressure Setting	Press Pos:Restart	ENG	[0 to 4 / 0 / 1]
1-151-016	Pressure Setting	Press Pos:RotationAfterReload	ENG	[0 to 4 / 0 / 1]
1-151-017	Pressure Setting	Press Pos:Before Job	ENG	[0 to 4 / 0 / 1]
1-151-018	Pressure Setting	Press Pos:After Job	ENG	[0 to 4 / 0 / 1]
1-151-019	Pressure Setting	Press Pos:Ready Standby	ENG	[0 to 4 / 0 / 1]
1-151-021	Pressure Setting	Press Pos:Low Power	ENG	[0 to 4 / 0 / 1]
1-151-022	Pressure Setting	Press Pos:Off Sleep	ENG	[0 to 4 / 0 / 1]
1-151-023	Pressure Setting	Press Pos:Print Ready	ENG	[0 to 4 / 0 / 1]
1-151-024	Pressure Setting	Reverse Operation Time	ENG	[0 to 10000 / 140 / 10msec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-151-025	Pressure Setting	Press Pos:Reverse	ENG	[0 to 4 / 1 / 1]
1-152-001	Fusing Nip Band Check	Execute	ENG	[0 to 1 / 0 / 1]
1-152-002	Fusing Nip Band Check	Pre-idling Time	ENG	[0 to 999 / 30 / 1sec]
1-152-003	Fusing Nip Band Check	Stop Time	ENG	[0 to 255 / 120 / 1sec]
1-152-004	Fusing Nip Band Check	Pressure Position	ENG	[0 to 4 / 2 / 1]
1-152-010	Fusing Nip Band Check	Target Temp: Center	ENG	[0 to 200 / 160 / 1deg]
1-152-011	Fusing Nip Band Check	Target Temp: Press Roller	ENG	[0 to 200 / 100 / 1deg]
1-154-001	Standby Rotation	Rotation Start Temp	ENG	[0 to 150 / 120 / 1deg]
1-154-002	Standby Rotation	Idling Time at Every Job	ENG	[0 to 255 / 30 / 1sec]
1-155-001	Job Cancel	Pressure Roller Temperature	ENG	[100 to 250 / 210 / 1deg]
1-155-002	Job Cancel	Continuous Time	ENG	[0 to 200 / 0 / 1deg]
1-161-004	Fusing Cleaning Web	Duplex Corr	ENG	[1 to 100 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-206-001	Paper Shift Setting	Shift Mode Selection	ENG	[0 to 4 / 1 / 1] 0:Shift 1:Shift: OFF (Folding Mode) 2:Shift:OFF (Pre-Punched Paper) 3:Shift:OFF (Folding/Pre-Punched) 4:Shift: OFF
1-211-001	Fusing Unit Switch Setting	Fusing Unit No.	ENG	[1 to 4 / 1 / 1]
1-211-002	Fusing Unit Switch Setting	Fusing Unit No. Current Value	ENG	[1 to 4 / 1 / 1]
1-211-003	Fusing Unit Switch Setting	Unit1:Fusing Unit:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-004	Fusing Unit Switch Setting	Unit1:Fusing Belt:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-005	Fusing Unit Switch Setting	Unit1:Hot Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-006	Fusing Unit Switch Setting	Unit1:Pressure Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-007	Fusing Unit Switch Setting	Unit1:Bearings:Pressure Rlr:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-008	Fusing Unit Switch Setting	Unit1:Fusing Cleaning UNI:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-009	Fusing Unit Switch Setting	Unit1:Cleaning Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-	Fusing Unit Switch	Unit1:Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-010	Setting			1cm]
1-211-011	Fusing Unit Switch Setting	Unit1:Fusing Unit:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-012	Fusing Unit Switch Setting	Unit1:Fusing Belt:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-013	Fusing Unit Switch Setting	Unit1:Hot Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-014	Fusing Unit Switch Setting	Unit1:Pressure Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-015	Fusing Unit Switch Setting	Unit1:Bearings:Pressure Rlr:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-016	Fusing Unit Switch Setting	Unit1:Fusing Cleaning UNI:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-017	Fusing Unit Switch Setting	Unit1:Cleaning Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-018	Fusing Unit Switch Setting	Unit1:Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-019	Fusing Unit Switch Setting	Unit1:Web Total Page Counter	ENG	[0 to 999999999 / 0 / 1sec]
1-211-020	Fusing Unit Switch Setting	Unit1:Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-021	Fusing Unit Switch Setting	Unit1:Fusing Unit:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit1:Fusing Belt:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-022	Setting			
1-211-023	Fusing Unit Switch Setting	Unit1:Hot Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-024	Fusing Unit Switch Setting	Unit1:Pressure Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-025	Fusing Unit Switch Setting	Unit1:Bearings:Pressure Rlr:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-026	Fusing Unit Switch Setting	Unit1:Fusing Cleaning UNI:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-027	Fusing Unit Switch Setting	Unit1:Cleaning Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-028	Fusing Unit Switch Setting	Unit1:Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-029	Fusing Unit Switch Setting	Unit1:Fusing Unit:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-030	Fusing Unit Switch Setting	Unit1:Fusing Belt:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-031	Fusing Unit Switch Setting	Unit1:Hot Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-032	Fusing Unit Switch Setting	Unit1:Pressure Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-033	Fusing Unit Switch Setting	Unit1:Bearings:Pressure Rlr:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit1:Fusing Cleaning UNI:Pg Cnt	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-034	Setting	History:2		
1-211-035	Fusing Unit Switch Setting	Unit1:Cleaning Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-036	Fusing Unit Switch Setting	Unit1:Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-037	Fusing Unit Switch Setting	Unit1:Fusing Unit:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-038	Fusing Unit Switch Setting	Unit1:Fusing Belt:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-039	Fusing Unit Switch Setting	Unit1:Hot Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-040	Fusing Unit Switch Setting	Unit1:Pressure Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-041	Fusing Unit Switch Setting	Unit1:Bearings:Pressure Rlr:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-042	Fusing Unit Switch Setting	Unit1:Fusing Cleaning UNI:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-043	Fusing Unit Switch Setting	Unit1:Cleaning Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-044	Fusing Unit Switch Setting	Unit1:Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-045	Fusing Unit Switch Setting	Unit2:Fusing Unit:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-	Fusing Unit Switch	Unit2:Fusing Belt:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-046	Setting			1cm]
1-211-047	Fusing Unit Switch Setting	Unit2:Hot Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-048	Fusing Unit Switch Setting	Unit2:Pressure Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-049	Fusing Unit Switch Setting	Unit2:Bearings:Pressure Rlr:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-050	Fusing Unit Switch Setting	Unit2:Fusing Cleaning UNI:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-051	Fusing Unit Switch Setting	Unit2:Cleaning Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-052	Fusing Unit Switch Setting	Unit2:Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-053	Fusing Unit Switch Setting	Unit2:Fusing Unit:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-054	Fusing Unit Switch Setting	Unit2:Fusing Belt:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-055	Fusing Unit Switch Setting	Unit2:Hot Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-056	Fusing Unit Switch Setting	Unit2:Pressure Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-057	Fusing Unit Switch Setting	Unit2:Bearings:Pressure Rlr:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-	Fusing Unit Switch	Unit2:Fusing Cleaning UNI:Page	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-058	Setting	Counter		1page]
1-211-059	Fusing Unit Switch Setting	Unit2:Cleaning Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-060	Fusing Unit Switch Setting	Unit2:Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-061	Fusing Unit Switch Setting	Unit2:Web Total Page Counter	ENG	[0 to 999999999 / 0 / 1sec]
1-211-062	Fusing Unit Switch Setting	Unit2:Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-063	Fusing Unit Switch Setting	Unit2:Fusing Unit:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-064	Fusing Unit Switch Setting	Unit2:Fusing Belt:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-065	Fusing Unit Switch Setting	Unit2:Hot Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-066	Fusing Unit Switch Setting	Unit2:Pressure Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-067	Fusing Unit Switch Setting	Unit2:Bearings:Pressure Rlr:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-068	Fusing Unit Switch Setting	Unit2:Fusing Cleaning UNI:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-069	Fusing Unit Switch Setting	Unit2:Cleaning Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit2:Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-070	Setting			
1-211-071	Fusing Unit Switch Setting	Unit2:Fusing Unit:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-072	Fusing Unit Switch Setting	Unit2:Fusing Belt:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-073	Fusing Unit Switch Setting	Unit2:Hot Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-074	Fusing Unit Switch Setting	Unit2:Pressure Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-075	Fusing Unit Switch Setting	Unit2:Bearings:Pressure Rlr:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-076	Fusing Unit Switch Setting	Unit2:Fusing Cleaning UNI:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-077	Fusing Unit Switch Setting	Unit2:Cleaning Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-078	Fusing Unit Switch Setting	Unit2:Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-079	Fusing Unit Switch Setting	Unit2:Fusing Unit:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-080	Fusing Unit Switch Setting	Unit2:Fusing Belt:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-081	Fusing Unit Switch Setting	Unit2:Hot Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-	Fusing Unit Switch	Unit2:Pressure Roller:Replacement	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-082	Setting	Date		
1-211-083	Fusing Unit Switch Setting	Unit2:Bearings:Pressure Rlr:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-084	Fusing Unit Switch Setting	Unit2:Fusing Cleaning UNI:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-085	Fusing Unit Switch Setting	Unit2:Cleaning Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-086	Fusing Unit Switch Setting	Unit2:Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-087	Fusing Unit Switch Setting	Unit3:Fusing Unit:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-088	Fusing Unit Switch Setting	Unit3:Fusing Belt:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-089	Fusing Unit Switch Setting	Unit3:Hot Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-090	Fusing Unit Switch Setting	Unit3:Pressure Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-091	Fusing Unit Switch Setting	Unit3:Bearings:Pressure Rlr:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-092	Fusing Unit Switch Setting	Unit3:Fusing Cleaning UNI:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-093	Fusing Unit Switch Setting	Unit3:Cleaning Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-	Fusing Unit Switch	Unit3:Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-094	Setting			1cm]
1-211-095	Fusing Unit Switch Setting	Unit3:Fusing Unit:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-096	Fusing Unit Switch Setting	Unit3:Fusing Belt:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-097	Fusing Unit Switch Setting	Unit3:Hot Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-098	Fusing Unit Switch Setting	Unit3:Pressure Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-099	Fusing Unit Switch Setting	Unit3:Bearings:Pressure Rlr:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-100	Fusing Unit Switch Setting	Unit3:Fusing Cleaning UNI:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-101	Fusing Unit Switch Setting	Unit3:Cleaning Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-102	Fusing Unit Switch Setting	Unit3:Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-103	Fusing Unit Switch Setting	Unit3:Web Total Page Counter	ENG	[0 to 999999999 / 0 / 1sec]
1-211-104	Fusing Unit Switch Setting	Unit3:Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-105	Fusing Unit Switch Setting	Unit3:Fusing Unit:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit3:Fusing Belt:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-106	Setting			
1-211-107	Fusing Unit Switch Setting	Unit3:Hot Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-108	Fusing Unit Switch Setting	Unit3:Pressure Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-109	Fusing Unit Switch Setting	Unit3:Bearings:Pressure Rlr:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-110	Fusing Unit Switch Setting	Unit3:Fusing Cleaning UNI:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-111	Fusing Unit Switch Setting	Unit3:Cleaning Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-112	Fusing Unit Switch Setting	Unit3:Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-113	Fusing Unit Switch Setting	Unit3:Fusing Unit:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-114	Fusing Unit Switch Setting	Unit3:Fusing Belt:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-115	Fusing Unit Switch Setting	Unit3:Hot Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-116	Fusing Unit Switch Setting	Unit3:Pressure Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-117	Fusing Unit Switch Setting	Unit3:Bearings:Pressure Rlr:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit3:Fusing Cleaning UNI:Pg Cnt	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-118	Setting	History:2		
1-211-119	Fusing Unit Switch Setting	Unit3:Cleaning Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-120	Fusing Unit Switch Setting	Unit3:Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-121	Fusing Unit Switch Setting	Unit3:Fusing Unit:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-122	Fusing Unit Switch Setting	Unit3:Fusing Belt:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-123	Fusing Unit Switch Setting	Unit3:Hot Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-124	Fusing Unit Switch Setting	Unit3:Pressure Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-125	Fusing Unit Switch Setting	Unit3:Bearings:Pressure Rlr:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-126	Fusing Unit Switch Setting	Unit3:Fusing Cleaning UNI:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-127	Fusing Unit Switch Setting	Unit3:Cleaning Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-128	Fusing Unit Switch Setting	Unit3:Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-129	Fusing Unit Switch Setting	Unit4:Fusing Unit:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-	Fusing Unit Switch	Unit4:Fusing Belt:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-130	Setting			1cm]
1-211-131	Fusing Unit Switch Setting	Unit4:Hot Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-132	Fusing Unit Switch Setting	Unit4:Pressure Roller:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-133	Fusing Unit Switch Setting	Unit4:Bearings:Pressure Rlr:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-134	Fusing Unit Switch Setting	Unit4:Fusing Cleaning UNI:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-135	Fusing Unit Switch Setting	Unit4:Cleaning Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-136	Fusing Unit Switch Setting	Unit4:Web:Distance Counter	ENG	[0 to 0x7FFFFFFF / 0 / 1cm]
1-211-137	Fusing Unit Switch Setting	Unit4:Fusing Unit:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-138	Fusing Unit Switch Setting	Unit4:Fusing Belt:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-139	Fusing Unit Switch Setting	Unit4:Hot Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-140	Fusing Unit Switch Setting	Unit4:Pressure Roller:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-141	Fusing Unit Switch Setting	Unit4:Bearings:Pressure Rlr:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-	Fusing Unit Switch	Unit4:Fusing Cleaning UNI:Page	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-142	Setting	Counter		1page]
1-211-143	Fusing Unit Switch Setting	Unit4:Cleaning Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-144	Fusing Unit Switch Setting	Unit4:Web:Page Counter	ENG	[0 to 99999999 / 0 / 1page]
1-211-145	Fusing Unit Switch Setting	Unit4:Web Total Page Counter	ENG	[0 to 999999999 / 0 / 1sec]
1-211-146	Fusing Unit Switch Setting	Unit4:Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-147	Fusing Unit Switch Setting	Unit4:Fusing Unit:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-148	Fusing Unit Switch Setting	Unit4:Fusing Belt:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-149	Fusing Unit Switch Setting	Unit4:Hot Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-150	Fusing Unit Switch Setting	Unit4:Pressure Roller:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-151	Fusing Unit Switch Setting	Unit4:Bearings:Pressure Rlr:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-152	Fusing Unit Switch Setting	Unit4:Fusing Cleaning UNI:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-211-153	Fusing Unit Switch Setting	Unit4:Cleaning Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]
1-	Fusing Unit Switch	Unit4:Web:Pg Cnt History:1	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-154	Setting			
1-211-155	Fusing Unit Switch Setting	Unit4:Fusing Unit:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-156	Fusing Unit Switch Setting	Unit4:Fusing Belt:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-157	Fusing Unit Switch Setting	Unit4:Hot Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-158	Fusing Unit Switch Setting	Unit4:Pressure Roller:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-159	Fusing Unit Switch Setting	Unit4:Bearings:Pressure Rlr:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-160	Fusing Unit Switch Setting	Unit4:Fusing Cleaning UNI:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-161	Fusing Unit Switch Setting	Unit4:Cleaning Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-162	Fusing Unit Switch Setting	Unit4:Web:Pg Cnt History:2	ENG	[0 to 99999999 / 0 / 1]
1-211-163	Fusing Unit Switch Setting	Unit4:Fusing Unit:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-164	Fusing Unit Switch Setting	Unit4:Fusing Belt:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-165	Fusing Unit Switch Setting	Unit4:Hot Roller:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-	Fusing Unit Switch	Unit4:Pressure Roller:Replacement	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
211-166	Setting	Date		
1-211-167	Fusing Unit Switch Setting	Unit4:Bearings:Pressure Rlr:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-168	Fusing Unit Switch Setting	Unit4:Fusing Cleaning UNI:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-169	Fusing Unit Switch Setting	Unit4:Cleaning Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-170	Fusing Unit Switch Setting	Unit4:Web:Replacement Date	ENG	[0 to 1 / 0 / 1]
1-211-171	Fusing Unit Switch Setting	Unit1:Standby Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-172	Fusing Unit Switch Setting	Unit2:Standby Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-173	Fusing Unit Switch Setting	Unit3:Standby Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-211-174	Fusing Unit Switch Setting	Unit4:Standby Web Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-302-001	Dbl-Feed Detect	Tray1	ENG	[0 to 1 / 1 / 1-]
1-302-002	Dbl-Feed Detect	Tray2	ENG	[0 to 1 / 1 / 1-]
1-302-003	Dbl-Feed Detect	Tray3	ENG	[0 to 1 / 1 / 1-]
1-	Dbl-Feed Detect	Tray4	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
302-004				
1-302-005	Dbl-Feed Detect	Tray5	ENG	[0 to 1 / 1 / 1-]
1-302-006	Dbl-Feed Detect	Tray6	ENG	[0 to 1 / 1 / 1-]
1-302-007	Dbl-Feed Detect	Tray7	ENG	[0 to 1 / 1 / 1-]
1-302-008	Dbl-Feed Detect	Tray T1	ENG	[0 to 1 / 1 / 1-]
1-302-009	Dbl-Feed Detect	Tray T2	ENG	[0 to 1 / 1 / 1-]
1-302-010	Dbl-Feed Detect	Tray T3	ENG	[0 to 1 / 1 / 1-]
1-302-011	Dbl-Feed Detect	Tray T4	ENG	[0 to 1 / 1 / 1-]
1-303-001	Dbl-Feed Detect	After Dbl-Feed Detect	ENG	[0 to 2 / 1 / 1-] 0: Jam 1: Purge 2: Proof Exit
1-304-001	Double Feed Detect Setup	Detection Group	ENG	[1 to 10 / 1 / 1Times]
1-304-002	Double Feed Detect Setup	Burst Drive Cycle	ENG	[5 to 50 / 20 / 0.1Times]
1-304-003	Double Feed Detect Setup	Detect distance	ENG	[10 to 200 / 100 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-304-004	Double Feed Detect Setup	Burst number	ENG	[1 to 20 / 5 / 1Times]
1-304-005	Double Feed Detect Setup	Detect number	ENG	[1 to 8 / 5 / 1Times]
1-304-006	Double Feed Detect Setup	Detect Adjustment	ENG	[0 to 1 / 0 / 0]
1-304-007	Double Feed Detect Setup	Detect Mode	ENG	[0 to 1 / 0 / 1-]
1-501-001	Lead Edge Reg	Standard Value	ENG	[-30 to 30 / 0 / 0.1mm]
1-501-002	Lead Edge Reg	Back SideOffset Value	ENG	[-30 to 30 / 0 / 0.1mm]
1-502-001	Side-to-Side Reg	Standard Value	ENG	[-30 to 30 / 0 / 0.1mm]
1-502-002	Side-to-Side Reg	Back SideOffset Value	ENG	[-30 to 30 / 0 / 0.1mm]

SP Group 1000-02

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-850-001	Htg Roller Temp Setting	Custom Paper 001	ENG	[100 to 200 / 170 / 1deg]
1-850-002	Htg Roller Temp Setting	Custom Paper 002	ENG	[100 to 200 / 170 / 1deg]
1-850-003	Htg Roller Temp Setting	Custom Paper 003	ENG	[100 to 200 / 170 / 1deg]
1-850-004	Htg Roller Temp Setting	Custom Paper 004	ENG	[100 to 200 / 170 / 1deg]
1-850-005	Htg Roller Temp Setting	Custom Paper 005	ENG	[100 to 200 / 170 / 1deg]
1-850-006	Htg Roller Temp Setting	Custom Paper 006	ENG	[100 to 200 / 170 / 1deg]
1-850-007	Htg Roller Temp Setting	Custom Paper 007	ENG	[100 to 200 / 170 / 1deg]
1-850-008	Htg Roller Temp Setting	Custom Paper 008	ENG	[100 to 200 / 170 / 1deg]
1-850-009	Htg Roller Temp Setting	Custom Paper 009	ENG	[100 to 200 / 170 / 1deg]
1-850-010	Htg Roller Temp Setting	Custom Paper 010	ENG	[100 to 200 / 170 / 1deg]
1-850-011	Htg Roller Temp Setting	Custom Paper 011	ENG	[100 to 200 / 170 / 1deg]
1-850-012	Htg Roller Temp Setting	Custom Paper 012	ENG	[100 to 200 / 170 / 1deg]
1-850-013	Htg Roller Temp Setting	Custom Paper 013	ENG	[100 to 200 / 170 / 1deg]
1-850-014	Htg Roller Temp Setting	Custom Paper 014	ENG	[100 to 200 / 170 / 1deg]
1-850-015	Htg Roller Temp Setting	Custom Paper 015	ENG	[100 to 200 / 170 / 1deg]
1-850-016	Htg Roller Temp Setting	Custom Paper 016	ENG	[100 to 200 / 170 / 1deg]
1-850-017	Htg Roller Temp Setting	Custom Paper 017	ENG	[100 to 200 / 170 / 1deg]
1-850-018	Htg Roller Temp Setting	Custom Paper 018	ENG	[100 to 200 / 170 / 1deg]
1-850-019	Htg Roller Temp Setting	Custom Paper 019	ENG	[100 to 200 / 170 / 1deg]
1-850-020	Htg Roller Temp Setting	Custom Paper 020	ENG	[100 to 200 / 170 / 1deg]
1-850-021	Htg Roller Temp Setting	Custom Paper 021	ENG	[100 to 200 / 170 / 1deg]
1-850-022	Htg Roller Temp Setting	Custom Paper 022	ENG	[100 to 200 / 170 / 1deg]
1-850-023	Htg Roller Temp Setting	Custom Paper 023	ENG	[100 to 200 / 170 / 1deg]
1-850-024	Htg Roller Temp Setting	Custom Paper 024	ENG	[100 to 200 / 170 / 1deg]
1-850-025	Htg Roller Temp Setting	Custom Paper 025	ENG	[100 to 200 / 170 / 1deg]
1-850-026	Htg Roller Temp Setting	Custom Paper 026	ENG	[100 to 200 / 170 / 1deg]
1-850-027	Htg Roller Temp Setting	Custom Paper 027	ENG	[100 to 200 / 170 / 1deg]
1-850-028	Htg Roller Temp Setting	Custom Paper 028	ENG	[100 to 200 / 170 / 1deg]
1-850-029	Htg Roller Temp Setting	Custom Paper 029	ENG	[100 to 200 / 170 / 1deg]
1-850-030	Htg Roller Temp Setting	Custom Paper 030	ENG	[100 to 200 / 170 / 1deg]
1-850-031	Htg Roller Temp Setting	Custom Paper 031	ENG	[100 to 200 / 170 / 1deg]
1-850-032	Htg Roller Temp Setting	Custom Paper 032	ENG	[100 to 200 / 170 / 1deg]
1-850-033	Htg Roller Temp Setting	Custom Paper 033	ENG	[100 to 200 / 170 / 1deg]
1-850-034	Htg Roller Temp Setting	Custom Paper 034	ENG	[100 to 200 / 170 / 1deg]
1-850-035	Htg Roller Temp Setting	Custom Paper 035	ENG	[100 to 200 / 170 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-850-036	Htg Roller Temp Setting	Custom Paper 036	ENG	[100 to 200 / 170 / 1deg]
1-850-037	Htg Roller Temp Setting	Custom Paper 037	ENG	[100 to 200 / 170 / 1deg]
1-850-038	Htg Roller Temp Setting	Custom Paper 038	ENG	[100 to 200 / 170 / 1deg]
1-850-039	Htg Roller Temp Setting	Custom Paper 039	ENG	[100 to 200 / 170 / 1deg]
1-850-040	Htg Roller Temp Setting	Custom Paper 040	ENG	[100 to 200 / 170 / 1deg]
1-850-041	Htg Roller Temp Setting	Custom Paper 041	ENG	[100 to 200 / 170 / 1deg]
1-850-042	Htg Roller Temp Setting	Custom Paper 042	ENG	[100 to 200 / 170 / 1deg]
1-850-043	Htg Roller Temp Setting	Custom Paper 043	ENG	[100 to 200 / 170 / 1deg]
1-850-044	Htg Roller Temp Setting	Custom Paper 044	ENG	[100 to 200 / 170 / 1deg]
1-850-045	Htg Roller Temp Setting	Custom Paper 045	ENG	[100 to 200 / 170 / 1deg]
1-850-046	Htg Roller Temp Setting	Custom Paper 046	ENG	[100 to 200 / 170 / 1deg]
1-850-047	Htg Roller Temp Setting	Custom Paper 047	ENG	[100 to 200 / 170 / 1deg]
1-850-048	Htg Roller Temp Setting	Custom Paper 048	ENG	[100 to 200 / 170 / 1deg]
1-850-049	Htg Roller Temp Setting	Custom Paper 049	ENG	[100 to 200 / 170 / 1deg]
1-850-050	Htg Roller Temp Setting	Custom Paper 050	ENG	[100 to 200 / 170 / 1deg]
1-850-051	Htg Roller Temp Setting	Custom Paper 051	ENG	[100 to 200 / 170 / 1deg]
1-850-052	Htg Roller Temp Setting	Custom Paper 052	ENG	[100 to 200 / 170 / 1deg]
1-850-053	Htg Roller Temp Setting	Custom Paper 053	ENG	[100 to 200 / 170 / 1deg]
1-850-054	Htg Roller Temp Setting	Custom Paper 054	ENG	[100 to 200 / 170 / 1deg]
1-850-055	Htg Roller Temp Setting	Custom Paper 055	ENG	[100 to 200 / 170 / 1deg]
1-850-056	Htg Roller Temp Setting	Custom Paper 056	ENG	[100 to 200 / 170 / 1deg]
1-850-057	Htg Roller Temp Setting	Custom Paper 057	ENG	[100 to 200 / 170 / 1deg]
1-850-058	Htg Roller Temp Setting	Custom Paper 058	ENG	[100 to 200 / 170 / 1deg]
1-850-059	Htg Roller Temp Setting	Custom Paper 059	ENG	[100 to 200 / 170 / 1deg]
1-850-060	Htg Roller Temp Setting	Custom Paper 060	ENG	[100 to 200 / 170 / 1deg]
1-850-061	Htg Roller Temp Setting	Custom Paper 061	ENG	[100 to 200 / 170 / 1deg]
1-850-062	Htg Roller Temp Setting	Custom Paper 062	ENG	[100 to 200 / 170 / 1deg]
1-850-063	Htg Roller Temp Setting	Custom Paper 063	ENG	[100 to 200 / 170 / 1deg]
1-850-064	Htg Roller Temp Setting	Custom Paper 064	ENG	[100 to 200 / 170 / 1deg]
1-850-065	Htg Roller Temp Setting	Custom Paper 065	ENG	[100 to 200 / 170 / 1deg]
1-850-066	Htg Roller Temp Setting	Custom Paper 066	ENG	[100 to 200 / 170 / 1deg]
1-850-067	Htg Roller Temp Setting	Custom Paper 067	ENG	[100 to 200 / 170 / 1deg]
1-850-068	Htg Roller Temp Setting	Custom Paper 068	ENG	[100 to 200 / 170 / 1deg]
1-850-069	Htg Roller Temp Setting	Custom Paper 069	ENG	[100 to 200 / 170 / 1deg]
1-850-070	Htg Roller Temp Setting	Custom Paper 070	ENG	[100 to 200 / 170 / 1deg]
1-850-071	Htg Roller Temp Setting	Custom Paper 071	ENG	[100 to 200 / 170 / 1deg]
1-850-072	Htg Roller Temp Setting	Custom Paper 072	ENG	[100 to 200 / 170 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-850-073	Htg Roller Temp Setting	Custom Paper 073	ENG	[100 to 200 / 170 / 1deg]
1-850-074	Htg Roller Temp Setting	Custom Paper 074	ENG	[100 to 200 / 170 / 1deg]
1-850-075	Htg Roller Temp Setting	Custom Paper 075	ENG	[100 to 200 / 170 / 1deg]
1-850-076	Htg Roller Temp Setting	Custom Paper 076	ENG	[100 to 200 / 170 / 1deg]
1-850-077	Htg Roller Temp Setting	Custom Paper 077	ENG	[100 to 200 / 170 / 1deg]
1-850-078	Htg Roller Temp Setting	Custom Paper 078	ENG	[100 to 200 / 170 / 1deg]
1-850-079	Htg Roller Temp Setting	Custom Paper 079	ENG	[100 to 200 / 170 / 1deg]
1-850-080	Htg Roller Temp Setting	Custom Paper 080	ENG	[100 to 200 / 170 / 1deg]
1-850-081	Htg Roller Temp Setting	Custom Paper 081	ENG	[100 to 200 / 170 / 1deg]
1-850-082	Htg Roller Temp Setting	Custom Paper 082	ENG	[100 to 200 / 170 / 1deg]
1-850-083	Htg Roller Temp Setting	Custom Paper 083	ENG	[100 to 200 / 170 / 1deg]
1-850-084	Htg Roller Temp Setting	Custom Paper 084	ENG	[100 to 200 / 170 / 1deg]
1-850-085	Htg Roller Temp Setting	Custom Paper 085	ENG	[100 to 200 / 170 / 1deg]
1-850-086	Htg Roller Temp Setting	Custom Paper 086	ENG	[100 to 200 / 170 / 1deg]
1-850-087	Htg Roller Temp Setting	Custom Paper 087	ENG	[100 to 200 / 170 / 1deg]
1-850-088	Htg Roller Temp Setting	Custom Paper 088	ENG	[100 to 200 / 170 / 1deg]
1-850-089	Htg Roller Temp Setting	Custom Paper 089	ENG	[100 to 200 / 170 / 1deg]
1-850-090	Htg Roller Temp Setting	Custom Paper 090	ENG	[100 to 200 / 170 / 1deg]
1-850-091	Htg Roller Temp Setting	Custom Paper 091	ENG	[100 to 200 / 170 / 1deg]
1-850-092	Htg Roller Temp Setting	Custom Paper 092	ENG	[100 to 200 / 170 / 1deg]
1-850-093	Htg Roller Temp Setting	Custom Paper 093	ENG	[100 to 200 / 170 / 1deg]
1-850-094	Htg Roller Temp Setting	Custom Paper 094	ENG	[100 to 200 / 170 / 1deg]
1-850-095	Htg Roller Temp Setting	Custom Paper 095	ENG	[100 to 200 / 170 / 1deg]
1-850-096	Htg Roller Temp Setting	Custom Paper 096	ENG	[100 to 200 / 170 / 1deg]
1-850-097	Htg Roller Temp Setting	Custom Paper 097	ENG	[100 to 200 / 170 / 1deg]
1-850-098	Htg Roller Temp Setting	Custom Paper 098	ENG	[100 to 200 / 170 / 1deg]
1-850-099	Htg Roller Temp Setting	Custom Paper 099	ENG	[100 to 200 / 170 / 1deg]
1-850-100	Htg Roller Temp Setting	Custom Paper 100	ENG	[100 to 200 / 170 / 1deg]
1-851-001	Pressure Roller Temp Setting	Custom Paper 001	ENG	[50 to 200 / 90 / 1deg]
1-851-002	Pressure Roller Temp Setting	Custom Paper 002	ENG	[50 to 200 / 90 / 1deg]
1-851-003	Pressure Roller Temp Setting	Custom Paper 003	ENG	[50 to 200 / 90 / 1deg]
1-851-004	Pressure Roller Temp Setting	Custom Paper 004	ENG	[50 to 200 / 90 / 1deg]
1-851-005	Pressure Roller Temp Setting	Custom Paper 005	ENG	[50 to 200 / 90 / 1deg]
1-851-006	Pressure Roller Temp Setting	Custom Paper 006	ENG	[50 to 200 / 90 / 1deg]
1-851-007	Pressure Roller Temp Setting	Custom Paper 007	ENG	[50 to 200 / 90 / 1deg]
1-851-008	Pressure Roller Temp Setting	Custom Paper 008	ENG	[50 to 200 / 90 / 1deg]
1-851-009	Pressure Roller Temp Setting	Custom Paper 009	ENG	[50 to 200 / 90 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-851-010	Pressure Roller Temp Setting	Custom Paper 010	ENG	[50 to 200 / 90 / 1deg]
1-851-011	Pressure Roller Temp Setting	Custom Paper 011	ENG	[50 to 200 / 90 / 1deg]
1-851-012	Pressure Roller Temp Setting	Custom Paper 012	ENG	[50 to 200 / 90 / 1deg]
1-851-013	Pressure Roller Temp Setting	Custom Paper 013	ENG	[50 to 200 / 90 / 1deg]
1-851-014	Pressure Roller Temp Setting	Custom Paper 014	ENG	[50 to 200 / 90 / 1deg]
1-851-015	Pressure Roller Temp Setting	Custom Paper 015	ENG	[50 to 200 / 90 / 1deg]
1-851-016	Pressure Roller Temp Setting	Custom Paper 016	ENG	[50 to 200 / 90 / 1deg]
1-851-017	Pressure Roller Temp Setting	Custom Paper 017	ENG	[50 to 200 / 90 / 1deg]
1-851-018	Pressure Roller Temp Setting	Custom Paper 018	ENG	[50 to 200 / 90 / 1deg]
1-851-019	Pressure Roller Temp Setting	Custom Paper 019	ENG	[50 to 200 / 90 / 1deg]
1-851-020	Pressure Roller Temp Setting	Custom Paper 020	ENG	[50 to 200 / 90 / 1deg]
1-851-021	Pressure Roller Temp Setting	Custom Paper 021	ENG	[50 to 200 / 90 / 1deg]
1-851-022	Pressure Roller Temp Setting	Custom Paper 022	ENG	[50 to 200 / 90 / 1deg]
1-851-023	Pressure Roller Temp Setting	Custom Paper 023	ENG	[50 to 200 / 90 / 1deg]
1-851-024	Pressure Roller Temp Setting	Custom Paper 024	ENG	[50 to 200 / 90 / 1deg]
1-851-025	Pressure Roller Temp Setting	Custom Paper 025	ENG	[50 to 200 / 90 / 1deg]
1-851-026	Pressure Roller Temp Setting	Custom Paper 026	ENG	[50 to 200 / 90 / 1deg]
1-851-027	Pressure Roller Temp Setting	Custom Paper 027	ENG	[50 to 200 / 90 / 1deg]
1-851-028	Pressure Roller Temp Setting	Custom Paper 028	ENG	[50 to 200 / 90 / 1deg]
1-851-029	Pressure Roller Temp Setting	Custom Paper 029	ENG	[50 to 200 / 90 / 1deg]
1-851-030	Pressure Roller Temp Setting	Custom Paper 030	ENG	[50 to 200 / 90 / 1deg]
1-851-031	Pressure Roller Temp Setting	Custom Paper 031	ENG	[50 to 200 / 90 / 1deg]
1-851-032	Pressure Roller Temp Setting	Custom Paper 032	ENG	[50 to 200 / 90 / 1deg]
1-851-033	Pressure Roller Temp Setting	Custom Paper 033	ENG	[50 to 200 / 90 / 1deg]
1-851-034	Pressure Roller Temp Setting	Custom Paper 034	ENG	[50 to 200 / 90 / 1deg]
1-851-035	Pressure Roller Temp Setting	Custom Paper 035	ENG	[50 to 200 / 90 / 1deg]
1-851-036	Pressure Roller Temp Setting	Custom Paper 036	ENG	[50 to 200 / 90 / 1deg]
1-851-037	Pressure Roller Temp Setting	Custom Paper 037	ENG	[50 to 200 / 90 / 1deg]
1-851-038	Pressure Roller Temp Setting	Custom Paper 038	ENG	[50 to 200 / 90 / 1deg]
1-851-039	Pressure Roller Temp Setting	Custom Paper 039	ENG	[50 to 200 / 90 / 1deg]
1-851-040	Pressure Roller Temp Setting	Custom Paper 040	ENG	[50 to 200 / 90 / 1deg]
1-851-041	Pressure Roller Temp Setting	Custom Paper 041	ENG	[50 to 200 / 90 / 1deg]
1-851-042	Pressure Roller Temp Setting	Custom Paper 042	ENG	[50 to 200 / 90 / 1deg]
1-851-043	Pressure Roller Temp Setting	Custom Paper 043	ENG	[50 to 200 / 90 / 1deg]
1-851-044	Pressure Roller Temp Setting	Custom Paper 044	ENG	[50 to 200 / 90 / 1deg]
1-851-045	Pressure Roller Temp Setting	Custom Paper 045	ENG	[50 to 200 / 90 / 1deg]
1-851-046	Pressure Roller Temp Setting	Custom Paper 046	ENG	[50 to 200 / 90 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-851-047	Pressure Roller Temp Setting	Custom Paper 047	ENG	[50 to 200 / 90 / 1deg]
1-851-048	Pressure Roller Temp Setting	Custom Paper 048	ENG	[50 to 200 / 90 / 1deg]
1-851-049	Pressure Roller Temp Setting	Custom Paper 049	ENG	[50 to 200 / 90 / 1deg]
1-851-050	Pressure Roller Temp Setting	Custom Paper 050	ENG	[50 to 200 / 90 / 1deg]
1-851-051	Pressure Roller Temp Setting	Custom Paper 051	ENG	[50 to 200 / 90 / 1deg]
1-851-052	Pressure Roller Temp Setting	Custom Paper 052	ENG	[50 to 200 / 90 / 1deg]
1-851-053	Pressure Roller Temp Setting	Custom Paper 053	ENG	[50 to 200 / 90 / 1deg]
1-851-054	Pressure Roller Temp Setting	Custom Paper 054	ENG	[50 to 200 / 90 / 1deg]
1-851-055	Pressure Roller Temp Setting	Custom Paper 055	ENG	[50 to 200 / 90 / 1deg]
1-851-056	Pressure Roller Temp Setting	Custom Paper 056	ENG	[50 to 200 / 90 / 1deg]
1-851-057	Pressure Roller Temp Setting	Custom Paper 057	ENG	[50 to 200 / 90 / 1deg]
1-851-058	Pressure Roller Temp Setting	Custom Paper 058	ENG	[50 to 200 / 90 / 1deg]
1-851-059	Pressure Roller Temp Setting	Custom Paper 059	ENG	[50 to 200 / 90 / 1deg]
1-851-060	Pressure Roller Temp Setting	Custom Paper 060	ENG	[50 to 200 / 90 / 1deg]
1-851-061	Pressure Roller Temp Setting	Custom Paper 061	ENG	[50 to 200 / 90 / 1deg]
1-851-062	Pressure Roller Temp Setting	Custom Paper 062	ENG	[50 to 200 / 90 / 1deg]
1-851-063	Pressure Roller Temp Setting	Custom Paper 063	ENG	[50 to 200 / 90 / 1deg]
1-851-064	Pressure Roller Temp Setting	Custom Paper 064	ENG	[50 to 200 / 90 / 1deg]
1-851-065	Pressure Roller Temp Setting	Custom Paper 065	ENG	[50 to 200 / 90 / 1deg]
1-851-066	Pressure Roller Temp Setting	Custom Paper 066	ENG	[50 to 200 / 90 / 1deg]
1-851-067	Pressure Roller Temp Setting	Custom Paper 067	ENG	[50 to 200 / 90 / 1deg]
1-851-068	Pressure Roller Temp Setting	Custom Paper 068	ENG	[50 to 200 / 90 / 1deg]
1-851-069	Pressure Roller Temp Setting	Custom Paper 069	ENG	[50 to 200 / 90 / 1deg]
1-851-070	Pressure Roller Temp Setting	Custom Paper 070	ENG	[50 to 200 / 90 / 1deg]
1-851-071	Pressure Roller Temp Setting	Custom Paper 071	ENG	[50 to 200 / 90 / 1deg]
1-851-072	Pressure Roller Temp Setting	Custom Paper 072	ENG	[50 to 200 / 90 / 1deg]
1-851-073	Pressure Roller Temp Setting	Custom Paper 073	ENG	[50 to 200 / 90 / 1deg]
1-851-074	Pressure Roller Temp Setting	Custom Paper 074	ENG	[50 to 200 / 90 / 1deg]
1-851-075	Pressure Roller Temp Setting	Custom Paper 075	ENG	[50 to 200 / 90 / 1deg]
1-851-076	Pressure Roller Temp Setting	Custom Paper 076	ENG	[50 to 200 / 90 / 1deg]
1-851-077	Pressure Roller Temp Setting	Custom Paper 077	ENG	[50 to 200 / 90 / 1deg]
1-851-078	Pressure Roller Temp Setting	Custom Paper 078	ENG	[50 to 200 / 90 / 1deg]
1-851-079	Pressure Roller Temp Setting	Custom Paper 079	ENG	[50 to 200 / 90 / 1deg]
1-851-080	Pressure Roller Temp Setting	Custom Paper 080	ENG	[50 to 200 / 90 / 1deg]
1-851-081	Pressure Roller Temp Setting	Custom Paper 081	ENG	[50 to 200 / 90 / 1deg]
1-851-082	Pressure Roller Temp Setting	Custom Paper 082	ENG	[50 to 200 / 90 / 1deg]
1-851-083	Pressure Roller Temp Setting	Custom Paper 083	ENG	[50 to 200 / 90 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-851-084	Pressure Roller Temp Setting	Custom Paper 084	ENG	[50 to 200 / 90 / 1deg]
1-851-085	Pressure Roller Temp Setting	Custom Paper 085	ENG	[50 to 200 / 90 / 1deg]
1-851-086	Pressure Roller Temp Setting	Custom Paper 086	ENG	[50 to 200 / 90 / 1deg]
1-851-087	Pressure Roller Temp Setting	Custom Paper 087	ENG	[50 to 200 / 90 / 1deg]
1-851-088	Pressure Roller Temp Setting	Custom Paper 088	ENG	[50 to 200 / 90 / 1deg]
1-851-089	Pressure Roller Temp Setting	Custom Paper 089	ENG	[50 to 200 / 90 / 1deg]
1-851-090	Pressure Roller Temp Setting	Custom Paper 090	ENG	[50 to 200 / 90 / 1deg]
1-851-091	Pressure Roller Temp Setting	Custom Paper 091	ENG	[50 to 200 / 90 / 1deg]
1-851-092	Pressure Roller Temp Setting	Custom Paper 092	ENG	[50 to 200 / 90 / 1deg]
1-851-093	Pressure Roller Temp Setting	Custom Paper 093	ENG	[50 to 200 / 90 / 1deg]
1-851-094	Pressure Roller Temp Setting	Custom Paper 094	ENG	[50 to 200 / 90 / 1deg]
1-851-095	Pressure Roller Temp Setting	Custom Paper 095	ENG	[50 to 200 / 90 / 1deg]
1-851-096	Pressure Roller Temp Setting	Custom Paper 096	ENG	[50 to 200 / 90 / 1deg]
1-851-097	Pressure Roller Temp Setting	Custom Paper 097	ENG	[50 to 200 / 90 / 1deg]
1-851-098	Pressure Roller Temp Setting	Custom Paper 098	ENG	[50 to 200 / 90 / 1deg]
1-851-099	Pressure Roller Temp Setting	Custom Paper 099	ENG	[50 to 200 / 90 / 1deg]
1-851-100	Pressure Roller Temp Setting	Custom Paper 100	ENG	[50 to 200 / 90 / 1deg]
1-852-001	Process Speed	Custom Paper 001	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-002	Process Speed	Custom Paper 002	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-003	Process Speed	Custom Paper 003	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-004	Process Speed	Custom Paper 004	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:3
1-852-005	Process Speed	Custom Paper 005	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-852-006	Process Speed	Custom Paper 006	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-007	Process Speed	Custom Paper 007	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:4
1-852-008	Process Speed	Custom Paper 008	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-009	Process Speed	Custom Paper 009	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-010	Process Speed	Custom Paper 010	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:5
1-852-011	Process Speed	Custom Paper 011	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-012	Process Speed	Custom Paper 012	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-013	Process Speed	Custom Paper 013	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:6
1-852-014	Process Speed	Custom Paper 014	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-015	Process Speed	Custom Paper 015	ENG	[0 to 2 / * / 1] *Pro 8200S:0

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-016	Process Speed	Custom Paper 016	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:7
1-852-017	Process Speed	Custom Paper 017	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-018	Process Speed	Custom Paper 018	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-019	Process Speed	Custom Paper 019	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:8
1-852-020	Process Speed	Custom Paper 020	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-021	Process Speed	Custom Paper 021	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-022	Process Speed	Custom Paper 022	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:9
1-852-023	Process Speed	Custom Paper 023	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-024	Process Speed	Custom Paper 024	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-852-025	Process Speed	Custom Paper 025	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:10
1-852-026	Process Speed	Custom Paper 026	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-027	Process Speed	Custom Paper 027	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-028	Process Speed	Custom Paper 028	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:11
1-852-029	Process Speed	Custom Paper 029	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-030	Process Speed	Custom Paper 030	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-031	Process Speed	Custom Paper 031	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:12
1-852-032	Process Speed	Custom Paper 032	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-033	Process Speed	Custom Paper 033	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-034	Process Speed	Custom Paper 034	ENG	[0 to 2 / * / 1] *Pro 8200:0

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8210S/8210Y:1 *Pro 8220S/8220Y:13
1-852-035	Process Speed	Custom Paper 035	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-036	Process Speed	Custom Paper 036	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-037	Process Speed	Custom Paper 037	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:14
1-852-038	Process Speed	Custom Paper 038	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-039	Process Speed	Custom Paper 039	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-040	Process Speed		ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:15
1-852-041	Process Speed	Custom Paper 041	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-042	Process Speed	Custom Paper 042	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-043	Process Speed	Custom Paper 043	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:16

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-852-044	Process Speed	Custom Paper 044	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-045	Process Speed	Custom Paper 045	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-046	Process Speed	Custom Paper 046	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:17
1-852-047	Process Speed	Custom Paper 047	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-048	Process Speed	Custom Paper 048	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-049	Process Speed	Custom Paper 049	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:18
1-852-050	Process Speed	Custom Paper 050	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-051	Process Speed	Custom Paper 051	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-052	Process Speed	Custom Paper 052	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:19
1-852-053	Process Speed	Custom Paper 053	ENG	[0 to 2 / * / 1] *Pro 8200S:0

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-054	Process Speed	Custom Paper 054	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-055	Process Speed	Custom Paper 055	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:20
1-852-056	Process Speed	Custom Paper 056	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-057	Process Speed	Custom Paper 057	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-058	Process Speed	Custom Paper 058	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:21
1-852-059	Process Speed	Custom Paper 059	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-060	Process Speed	Custom Paper 060	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-061	Process Speed	Custom Paper 061	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:22
1-852-062	Process Speed	Custom Paper 062	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-852-063	Process Speed	Custom Paper 063	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-064	Process Speed	Custom Paper 064	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:23
1-852-065	Process Speed	Custom Paper 065	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-066	Process Speed	Custom Paper 066	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-067	Process Speed	Custom Paper 067	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:24
1-852-068	Process Speed	Custom Paper 068	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-069	Process Speed	Custom Paper 069	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-070	Process Speed	Custom Paper 070	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:25
1-852-071	Process Speed	Custom Paper 071	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-072	Process Speed	Custom Paper 072	ENG	[0 to 2 / * / 1] *Pro 8200S:0

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-073	Process Speed	Custom Paper 073	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:26
1-852-074	Process Speed	Custom Paper 074	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-075	Process Speed	Custom Paper 075	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-076	Process Speed	Custom Paper 076	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:27
1-852-077	Process Speed	Custom Paper 077	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-078	Process Speed	Custom Paper 078	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-079	Process Speed	Custom Paper 079	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:28
1-852-080	Process Speed	Custom Paper 080	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-081	Process Speed	Custom Paper 081	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-852-082	Process Speed	Custom Paper 082	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:29
1-852-083	Process Speed	Custom Paper 083	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-084	Process Speed	Custom Paper 084	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-085	Process Speed	Custom Paper 085	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:30
1-852-086	Process Speed	Custom Paper 086	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-087	Process Speed	Custom Paper 087	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-088	Process Speed	Custom Paper 088	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:31
1-852-089	Process Speed	Custom Paper 089	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-090	Process Speed	Custom Paper 090	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-091	Process Speed	Custom Paper 091	ENG	[0 to 2 / * / 1] *Pro 8200:0

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8210S/8210Y:1 *Pro 8220S/8220Y:32
1-852-092	Process Speed	Custom Paper 092	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-093	Process Speed	Custom Paper 093	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-094	Process Speed	Custom Paper 094	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:33
1-852-095	Process Speed	Custom Paper 095	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-096	Process Speed	Custom Paper 096	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-097	Process Speed	Custom Paper 097	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:34
1-852-098	Process Speed	Custom Paper 098	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-099	Process Speed	Custom Paper 099	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-852-100	Process Speed	Custom Paper 100	ENG	[0 to 2 / * / 1] *Pro 8200:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:35

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-853-001	Fusing Mtr Rotation Correct	Custom Paper 001	ENG	[-100 to 100 / 0 / 0.1%]
1-853-002	Fusing Mtr Rotation Correct	Custom Paper 002	ENG	[-100 to 100 / 0 / 0.1%]
1-853-003	Fusing Mtr Rotation Correct	Custom Paper 003	ENG	[-100 to 100 / 0 / 0.1%]
1-853-004	Fusing Mtr Rotation Correct	Custom Paper 004	ENG	[-100 to 100 / 0 / 0.1%]
1-853-005	Fusing Mtr Rotation Correct	Custom Paper 005	ENG	[-100 to 100 / 0 / 0.1%]
1-853-006	Fusing Mtr Rotation Correct	Custom Paper 006	ENG	[-100 to 100 / 0 / 0.1%]
1-853-007	Fusing Mtr Rotation Correct	Custom Paper 007	ENG	[-100 to 100 / 0 / 0.1%]
1-853-008	Fusing Mtr Rotation Correct	Custom Paper 008	ENG	[-100 to 100 / 0 / 0.1%]
1-853-009	Fusing Mtr Rotation Correct	Custom Paper 009	ENG	[-100 to 100 / 0 / 0.1%]
1-853-010	Fusing Mtr Rotation Correct	Custom Paper 010	ENG	[-100 to 100 / 0 / 0.1%]
1-853-011	Fusing Mtr Rotation Correct	Custom Paper 011	ENG	[-100 to 100 / 0 / 0.1%]
1-853-012	Fusing Mtr Rotation Correct	Custom Paper 012	ENG	[-100 to 100 / 0 / 0.1%]
1-853-013	Fusing Mtr Rotation Correct	Custom Paper 013	ENG	[-100 to 100 / 0 / 0.1%]
1-853-014	Fusing Mtr Rotation Correct	Custom Paper 014	ENG	[-100 to 100 / 0 / 0.1%]
1-853-015	Fusing Mtr Rotation Correct	Custom Paper 015	ENG	[-100 to 100 / 0 / 0.1%]
1-853-016	Fusing Mtr Rotation Correct	Custom Paper 016	ENG	[-100 to 100 / 0 / 0.1%]
1-853-017	Fusing Mtr Rotation Correct	Custom Paper 017	ENG	[-100 to 100 / 0 / 0.1%]
1-853-018	Fusing Mtr Rotation Correct	Custom Paper 018	ENG	[-100 to 100 / 0 / 0.1%]
1-853-019	Fusing Mtr Rotation Correct	Custom Paper 019	ENG	[-100 to 100 / 0 / 0.1%]
1-853-020	Fusing Mtr Rotation Correct	Custom Paper 020	ENG	[-100 to 100 / 0 / 0.1%]
1-853-021	Fusing Mtr Rotation Correct	Custom Paper 021	ENG	[-100 to 100 / 0 / 0.1%]
1-853-022	Fusing Mtr Rotation Correct	Custom Paper 022	ENG	[-100 to 100 / 0 / 0.1%]
1-853-023	Fusing Mtr Rotation Correct	Custom Paper 023	ENG	[-100 to 100 / 0 / 0.1%]
1-853-024	Fusing Mtr Rotation Correct	Custom Paper 024	ENG	[-100 to 100 / 0 / 0.1%]
1-853-025	Fusing Mtr Rotation Correct	Custom Paper 025	ENG	[-100 to 100 / 0 / 0.1%]
1-853-026	Fusing Mtr Rotation Correct	Custom Paper 026	ENG	[-100 to 100 / 0 / 0.1%]
1-853-027	Fusing Mtr Rotation Correct	Custom Paper 027	ENG	[-100 to 100 / 0 / 0.1%]
1-853-028	Fusing Mtr Rotation Correct	Custom Paper 028	ENG	[-100 to 100 / 0 / 0.1%]
1-853-029	Fusing Mtr Rotation Correct	Custom Paper 029	ENG	[-100 to 100 / 0 / 0.1%]
1-853-030	Fusing Mtr Rotation Correct	Custom Paper 030	ENG	[-100 to 100 / 0 / 0.1%]
1-853-031	Fusing Mtr Rotation Correct	Custom Paper 031	ENG	[-100 to 100 / 0 / 0.1%]
1-853-032	Fusing Mtr Rotation Correct	Custom Paper 032	ENG	[-100 to 100 / 0 / 0.1%]
1-853-033	Fusing Mtr Rotation Correct	Custom Paper 033	ENG	[-100 to 100 / 0 / 0.1%]
1-853-034	Fusing Mtr Rotation Correct	Custom Paper 034	ENG	[-100 to 100 / 0 / 0.1%]
1-853-035	Fusing Mtr Rotation Correct	Custom Paper 035	ENG	[-100 to 100 / 0 / 0.1%]
1-853-036	Fusing Mtr Rotation Correct	Custom Paper 036	ENG	[-100 to 100 / 0 / 0.1%]
1-853-037	Fusing Mtr Rotation Correct	Custom Paper 037	ENG	[-100 to 100 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-853-038	Fusing Mtr Rotation Correct	Custom Paper 038	ENG	[-100 to 100 / 0 / 0.1%]
1-853-039	Fusing Mtr Rotation Correct	Custom Paper 039	ENG	[-100 to 100 / 0 / 0.1%]
1-853-040	Fusing Mtr Rotation Correct	Custom Paper 040	ENG	[-100 to 100 / 0 / 0.1%]
1-853-041	Fusing Mtr Rotation Correct	Custom Paper 041	ENG	[-100 to 100 / 0 / 0.1%]
1-853-042	Fusing Mtr Rotation Correct	Custom Paper 042	ENG	[-100 to 100 / 0 / 0.1%]
1-853-043	Fusing Mtr Rotation Correct	Custom Paper 043	ENG	[-100 to 100 / 0 / 0.1%]
1-853-044	Fusing Mtr Rotation Correct	Custom Paper 044	ENG	[-100 to 100 / 0 / 0.1%]
1-853-045	Fusing Mtr Rotation Correct	Custom Paper 045	ENG	[-100 to 100 / 0 / 0.1%]
1-853-046	Fusing Mtr Rotation Correct	Custom Paper 046	ENG	[-100 to 100 / 0 / 0.1%]
1-853-047	Fusing Mtr Rotation Correct	Custom Paper 047	ENG	[-100 to 100 / 0 / 0.1%]
1-853-048	Fusing Mtr Rotation Correct	Custom Paper 048	ENG	[-100 to 100 / 0 / 0.1%]
1-853-049	Fusing Mtr Rotation Correct	Custom Paper 049	ENG	[-100 to 100 / 0 / 0.1%]
1-853-050	Fusing Mtr Rotation Correct	Custom Paper 050	ENG	[-100 to 100 / 0 / 0.1%]
1-853-051	Fusing Mtr Rotation Correct	Custom Paper 051	ENG	[-100 to 100 / 0 / 0.1%]
1-853-052	Fusing Mtr Rotation Correct	Custom Paper 052	ENG	[-100 to 100 / 0 / 0.1%]
1-853-053	Fusing Mtr Rotation Correct	Custom Paper 053	ENG	[-100 to 100 / 0 / 0.1%]
1-853-054	Fusing Mtr Rotation Correct	Custom Paper 054	ENG	[-100 to 100 / 0 / 0.1%]
1-853-055	Fusing Mtr Rotation Correct	Custom Paper 055	ENG	[-100 to 100 / 0 / 0.1%]
1-853-056	Fusing Mtr Rotation Correct	Custom Paper 056	ENG	[-100 to 100 / 0 / 0.1%]
1-853-057	Fusing Mtr Rotation Correct	Custom Paper 057	ENG	[-100 to 100 / 0 / 0.1%]
1-853-058	Fusing Mtr Rotation Correct	Custom Paper 058	ENG	[-100 to 100 / 0 / 0.1%]
1-853-059	Fusing Mtr Rotation Correct	Custom Paper 059	ENG	[-100 to 100 / 0 / 0.1%]
1-853-060	Fusing Mtr Rotation Correct	Custom Paper 060	ENG	[-100 to 100 / 0 / 0.1%]
1-853-061	Fusing Mtr Rotation Correct	Custom Paper 061	ENG	[-100 to 100 / 0 / 0.1%]
1-853-062	Fusing Mtr Rotation Correct	Custom Paper 062	ENG	[-100 to 100 / 0 / 0.1%]
1-853-063	Fusing Mtr Rotation Correct	Custom Paper 063	ENG	[-100 to 100 / 0 / 0.1%]
1-853-064	Fusing Mtr Rotation Correct	Custom Paper 064	ENG	[-100 to 100 / 0 / 0.1%]
1-853-065	Fusing Mtr Rotation Correct	Custom Paper 065	ENG	[-100 to 100 / 0 / 0.1%]
1-853-066	Fusing Mtr Rotation Correct	Custom Paper 066	ENG	[-100 to 100 / 0 / 0.1%]
1-853-067	Fusing Mtr Rotation Correct	Custom Paper 067	ENG	[-100 to 100 / 0 / 0.1%]
1-853-068	Fusing Mtr Rotation Correct	Custom Paper 068	ENG	[-100 to 100 / 0 / 0.1%]
1-853-069	Fusing Mtr Rotation Correct	Custom Paper 069	ENG	[-100 to 100 / 0 / 0.1%]
1-853-070	Fusing Mtr Rotation Correct	Custom Paper 070	ENG	[-100 to 100 / 0 / 0.1%]
1-853-071	Fusing Mtr Rotation Correct	Custom Paper 071	ENG	[-100 to 100 / 0 / 0.1%]
1-853-072	Fusing Mtr Rotation Correct	Custom Paper 072	ENG	[-100 to 100 / 0 / 0.1%]
1-853-073	Fusing Mtr Rotation Correct	Custom Paper 073	ENG	[-100 to 100 / 0 / 0.1%]
1-853-074	Fusing Mtr Rotation Correct	Custom Paper 074	ENG	[-100 to 100 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-853-075	Fusing Mtr Rotation Correct	Custom Paper 075	ENG	[-100 to 100 / 0 / 0.1%]
1-853-076	Fusing Mtr Rotation Correct	Custom Paper 076	ENG	[-100 to 100 / 0 / 0.1%]
1-853-077	Fusing Mtr Rotation Correct	Custom Paper 077	ENG	[-100 to 100 / 0 / 0.1%]
1-853-078	Fusing Mtr Rotation Correct	Custom Paper 078	ENG	[-100 to 100 / 0 / 0.1%]
1-853-079	Fusing Mtr Rotation Correct	Custom Paper 079	ENG	[-100 to 100 / 0 / 0.1%]
1-853-080	Fusing Mtr Rotation Correct	Custom Paper 080	ENG	[-100 to 100 / 0 / 0.1%]
1-853-081	Fusing Mtr Rotation Correct	Custom Paper 081	ENG	[-100 to 100 / 0 / 0.1%]
1-853-082	Fusing Mtr Rotation Correct	Custom Paper 082	ENG	[-100 to 100 / 0 / 0.1%]
1-853-083	Fusing Mtr Rotation Correct	Custom Paper 083	ENG	[-100 to 100 / 0 / 0.1%]
1-853-084	Fusing Mtr Rotation Correct	Custom Paper 084	ENG	[-100 to 100 / 0 / 0.1%]
1-853-085	Fusing Mtr Rotation Correct	Custom Paper 085	ENG	[-100 to 100 / 0 / 0.1%]
1-853-086	Fusing Mtr Rotation Correct	Custom Paper 086	ENG	[-100 to 100 / 0 / 0.1%]
1-853-087	Fusing Mtr Rotation Correct	Custom Paper 087	ENG	[-100 to 100 / 0 / 0.1%]
1-853-088	Fusing Mtr Rotation Correct	Custom Paper 088	ENG	[-100 to 100 / 0 / 0.1%]
1-853-089	Fusing Mtr Rotation Correct	Custom Paper 089	ENG	[-100 to 100 / 0 / 0.1%]
1-853-090	Fusing Mtr Rotation Correct	Custom Paper 090	ENG	[-100 to 100 / 0 / 0.1%]
1-853-091	Fusing Mtr Rotation Correct	Custom Paper 091	ENG	[-100 to 100 / 0 / 0.1%]
1-853-092	Fusing Mtr Rotation Correct	Custom Paper 092	ENG	[-100 to 100 / 0 / 0.1%]
1-853-093	Fusing Mtr Rotation Correct	Custom Paper 093	ENG	[-100 to 100 / 0 / 0.1%]
1-853-094	Fusing Mtr Rotation Correct	Custom Paper 094	ENG	[-100 to 100 / 0 / 0.1%]
1-853-095	Fusing Mtr Rotation Correct	Custom Paper 095	ENG	[-100 to 100 / 0 / 0.1%]
1-853-096	Fusing Mtr Rotation Correct	Custom Paper 096	ENG	[-100 to 100 / 0 / 0.1%]
1-853-097	Fusing Mtr Rotation Correct	Custom Paper 097	ENG	[-100 to 100 / 0 / 0.1%]
1-853-098	Fusing Mtr Rotation Correct	Custom Paper 098	ENG	[-100 to 100 / 0 / 0.1%]
1-853-099	Fusing Mtr Rotation Correct	Custom Paper 099	ENG	[-100 to 100 / 0 / 0.1%]
1-853-100	Fusing Mtr Rotation Correct	Custom Paper 100	ENG	[-100 to 100 / 0 / 0.1%]
1-854-001	CPM Adjustment	Custom Paper 001	ENG	[1 to 100 / 100 / 1%]
1-854-002	CPM Adjustment	Custom Paper 002	ENG	[1 to 100 / 100 / 1%]
1-854-003	CPM Adjustment	Custom Paper 003	ENG	[1 to 100 / 100 / 1%]
1-854-004	CPM Adjustment	Custom Paper 004	ENG	[1 to 100 / 100 / 1%]
1-854-005	CPM Adjustment	Custom Paper 005	ENG	[1 to 100 / 100 / 1%]
1-854-006	CPM Adjustment	Custom Paper 006	ENG	[1 to 100 / 100 / 1%]
1-854-007	CPM Adjustment	Custom Paper 007	ENG	[1 to 100 / 100 / 1%]
1-854-008	CPM Adjustment	Custom Paper 008	ENG	[1 to 100 / 100 / 1%]
1-854-009	CPM Adjustment	Custom Paper 009	ENG	[1 to 100 / 100 / 1%]
1-854-010	CPM Adjustment	Custom Paper 010	ENG	[1 to 100 / 100 / 1%]
1-854-011	CPM Adjustment	Custom Paper 011	ENG	[1 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-854-012	CPM Adjustment	Custom Paper 012	ENG	[1 to 100 / 100 / 1%]
1-854-013	CPM Adjustment	Custom Paper 013	ENG	[1 to 100 / 100 / 1%]
1-854-014	CPM Adjustment	Custom Paper 014	ENG	[1 to 100 / 100 / 1%]
1-854-015	CPM Adjustment	Custom Paper 015	ENG	[1 to 100 / 100 / 1%]
1-854-016	CPM Adjustment	Custom Paper 016	ENG	[1 to 100 / 100 / 1%]
1-854-017	CPM Adjustment	Custom Paper 017	ENG	[1 to 100 / 100 / 1%]
1-854-018	CPM Adjustment	Custom Paper 018	ENG	[1 to 100 / 100 / 1%]
1-854-019	CPM Adjustment	Custom Paper 019	ENG	[1 to 100 / 100 / 1%]
1-854-020	CPM Adjustment	Custom Paper 020	ENG	[1 to 100 / 100 / 1%]
1-854-021	CPM Adjustment	Custom Paper 021	ENG	[1 to 100 / 100 / 1%]
1-854-022	CPM Adjustment	Custom Paper 022	ENG	[1 to 100 / 100 / 1%]
1-854-023	CPM Adjustment	Custom Paper 023	ENG	[1 to 100 / 100 / 1%]
1-854-024	CPM Adjustment	Custom Paper 024	ENG	[1 to 100 / 100 / 1%]
1-854-025	CPM Adjustment	Custom Paper 025	ENG	[1 to 100 / 100 / 1%]
1-854-026	CPM Adjustment	Custom Paper 026	ENG	[1 to 100 / 100 / 1%]
1-854-027	CPM Adjustment	Custom Paper 027	ENG	[1 to 100 / 100 / 1%]
1-854-028	CPM Adjustment	Custom Paper 028	ENG	[1 to 100 / 100 / 1%]
1-854-029	CPM Adjustment	Custom Paper 029	ENG	[1 to 100 / 100 / 1%]
1-854-030	CPM Adjustment	Custom Paper 030	ENG	[1 to 100 / 100 / 1%]
1-854-031	CPM Adjustment	Custom Paper 031	ENG	[1 to 100 / 100 / 1%]
1-854-032	CPM Adjustment	Custom Paper 032	ENG	[1 to 100 / 100 / 1%]
1-854-033	CPM Adjustment	Custom Paper 033	ENG	[1 to 100 / 100 / 1%]
1-854-034	CPM Adjustment	Custom Paper 034	ENG	[1 to 100 / 100 / 1%]
1-854-035	CPM Adjustment	Custom Paper 035	ENG	[1 to 100 / 100 / 1%]
1-854-036	CPM Adjustment	Custom Paper 036	ENG	[1 to 100 / 100 / 1%]
1-854-037	CPM Adjustment	Custom Paper 037	ENG	[1 to 100 / 100 / 1%]
1-854-038	CPM Adjustment	Custom Paper 038	ENG	[1 to 100 / 100 / 1%]
1-854-039	CPM Adjustment	Custom Paper 039	ENG	[1 to 100 / 100 / 1%]
1-854-040	CPM Adjustment	Custom Paper 040	ENG	[1 to 100 / 100 / 1%]
1-854-041	CPM Adjustment	Custom Paper 041	ENG	[1 to 100 / 100 / 1%]
1-854-042	CPM Adjustment	Custom Paper 042	ENG	[1 to 100 / 100 / 1%]
1-854-043	CPM Adjustment	Custom Paper 043	ENG	[1 to 100 / 100 / 1%]
1-854-044	CPM Adjustment	Custom Paper 044	ENG	[1 to 100 / 100 / 1%]
1-854-045	CPM Adjustment	Custom Paper 045	ENG	[1 to 100 / 100 / 1%]
1-854-046	CPM Adjustment	Custom Paper 046	ENG	[1 to 100 / 100 / 1%]
1-854-047	CPM Adjustment	Custom Paper 047	ENG	[1 to 100 / 100 / 1%]
1-854-048	CPM Adjustment	Custom Paper 048	ENG	[1 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-854-049	CPM Adjustment	Custom Paper 049	ENG	[1 to 100 / 100 / 1%]
1-854-050	CPM Adjustment	Custom Paper 050	ENG	[1 to 100 / 100 / 1%]
1-854-051	CPM Adjustment	Custom Paper 051	ENG	[1 to 100 / 100 / 1%]
1-854-052	CPM Adjustment	Custom Paper 052	ENG	[1 to 100 / 100 / 1%]
1-854-053	CPM Adjustment	Custom Paper 053	ENG	[1 to 100 / 100 / 1%]
1-854-054	CPM Adjustment	Custom Paper 054	ENG	[1 to 100 / 100 / 1%]
1-854-055	CPM Adjustment	Custom Paper 055	ENG	[1 to 100 / 100 / 1%]
1-854-056	CPM Adjustment	Custom Paper 056	ENG	[1 to 100 / 100 / 1%]
1-854-057	CPM Adjustment	Custom Paper 057	ENG	[1 to 100 / 100 / 1%]
1-854-058	CPM Adjustment	Custom Paper 058	ENG	[1 to 100 / 100 / 1%]
1-854-059	CPM Adjustment	Custom Paper 059	ENG	[1 to 100 / 100 / 1%]
1-854-060	CPM Adjustment	Custom Paper 060	ENG	[1 to 100 / 100 / 1%]
1-854-061	CPM Adjustment	Custom Paper 061	ENG	[1 to 100 / 100 / 1%]
1-854-062	CPM Adjustment	Custom Paper 062	ENG	[1 to 100 / 100 / 1%]
1-854-063	CPM Adjustment	Custom Paper 063	ENG	[1 to 100 / 100 / 1%]
1-854-064	CPM Adjustment	Custom Paper 064	ENG	[1 to 100 / 100 / 1%]
1-854-065	CPM Adjustment	Custom Paper 065	ENG	[1 to 100 / 100 / 1%]
1-854-066	CPM Adjustment	Custom Paper 066	ENG	[1 to 100 / 100 / 1%]
1-854-067	CPM Adjustment	Custom Paper 067	ENG	[1 to 100 / 100 / 1%]
1-854-068	CPM Adjustment	Custom Paper 068	ENG	[1 to 100 / 100 / 1%]
1-854-069	CPM Adjustment	Custom Paper 069	ENG	[1 to 100 / 100 / 1%]
1-854-070	CPM Adjustment	Custom Paper 070	ENG	[1 to 100 / 100 / 1%]
1-854-071	CPM Adjustment	Custom Paper 071	ENG	[1 to 100 / 100 / 1%]
1-854-072	CPM Adjustment	Custom Paper 072	ENG	[1 to 100 / 100 / 1%]
1-854-073	CPM Adjustment	Custom Paper 073	ENG	[1 to 100 / 100 / 1%]
1-854-074	CPM Adjustment	Custom Paper 074	ENG	[1 to 100 / 100 / 1%]
1-854-075	CPM Adjustment	Custom Paper 075	ENG	[1 to 100 / 100 / 1%]
1-854-076	CPM Adjustment	Custom Paper 076	ENG	[1 to 100 / 100 / 1%]
1-854-077	CPM Adjustment	Custom Paper 077	ENG	[1 to 100 / 100 / 1%]
1-854-078	CPM Adjustment	Custom Paper 078	ENG	[1 to 100 / 100 / 1%]
1-854-079	CPM Adjustment	Custom Paper 079	ENG	[1 to 100 / 100 / 1%]
1-854-080	CPM Adjustment	Custom Paper 080	ENG	[1 to 100 / 100 / 1%]
1-854-081	CPM Adjustment	Custom Paper 081	ENG	[1 to 100 / 100 / 1%]
1-854-082	CPM Adjustment	Custom Paper 082	ENG	[1 to 100 / 100 / 1%]
1-854-083	CPM Adjustment	Custom Paper 083	ENG	[1 to 100 / 100 / 1%]
1-854-084	CPM Adjustment	Custom Paper 084	ENG	[1 to 100 / 100 / 1%]
1-854-085	CPM Adjustment	Custom Paper 085	ENG	[1 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-854-086	CPM Adjustment	Custom Paper 086	ENG	[1 to 100 / 100 / 1%]
1-854-087	CPM Adjustment	Custom Paper 087	ENG	[1 to 100 / 100 / 1%]
1-854-088	CPM Adjustment	Custom Paper 088	ENG	[1 to 100 / 100 / 1%]
1-854-089	CPM Adjustment	Custom Paper 089	ENG	[1 to 100 / 100 / 1%]
1-854-090	CPM Adjustment	Custom Paper 090	ENG	[1 to 100 / 100 / 1%]
1-854-091	CPM Adjustment	Custom Paper 091	ENG	[1 to 100 / 100 / 1%]
1-854-092	CPM Adjustment	Custom Paper 092	ENG	[1 to 100 / 100 / 1%]
1-854-093	CPM Adjustment	Custom Paper 093	ENG	[1 to 100 / 100 / 1%]
1-854-094	CPM Adjustment	Custom Paper 094	ENG	[1 to 100 / 100 / 1%]
1-854-095	CPM Adjustment	Custom Paper 095	ENG	[1 to 100 / 100 / 1%]
1-854-096	CPM Adjustment	Custom Paper 096	ENG	[1 to 100 / 100 / 1%]
1-854-097	CPM Adjustment	Custom Paper 097	ENG	[1 to 100 / 100 / 1%]
1-854-098	CPM Adjustment	Custom Paper 098	ENG	[1 to 100 / 100 / 1%]
1-854-099	CPM Adjustment	Custom Paper 099	ENG	[1 to 100 / 100 / 1%]
1-854-100	CPM Adjustment	Custom Paper 100	ENG	[1 to 100 / 100 / 1%]
1-855-001	Nip Width Setting	Custom Paper 001	ENG	[1 to 4 / 2 / 1]
1-855-002	Nip Width Setting	Custom Paper 002	ENG	[1 to 4 / 2 / 1]
1-855-003	Nip Width Setting	Custom Paper 003	ENG	[1 to 4 / 2 / 1]
1-855-004	Nip Width Setting	Custom Paper 004	ENG	[1 to 4 / 2 / 1]
1-855-005	Nip Width Setting	Custom Paper 005	ENG	[1 to 4 / 2 / 1]
1-855-006	Nip Width Setting	Custom Paper 006	ENG	[1 to 4 / 2 / 1]
1-855-007	Nip Width Setting	Custom Paper 007	ENG	[1 to 4 / 2 / 1]
1-855-008	Nip Width Setting	Custom Paper 008	ENG	[1 to 4 / 2 / 1]
1-855-009	Nip Width Setting	Custom Paper 009	ENG	[1 to 4 / 2 / 1]
1-855-010	Nip Width Setting	Custom Paper 010	ENG	[1 to 4 / 2 / 1]
1-855-011	Nip Width Setting	Custom Paper 011	ENG	[1 to 4 / 2 / 1]
1-855-012	Nip Width Setting	Custom Paper 012	ENG	[1 to 4 / 2 / 1]
1-855-013	Nip Width Setting	Custom Paper 013	ENG	[1 to 4 / 2 / 1]
1-855-014	Nip Width Setting	Custom Paper 014	ENG	[1 to 4 / 2 / 1]
1-855-015	Nip Width Setting	Custom Paper 015	ENG	[1 to 4 / 2 / 1]
1-855-016	Nip Width Setting	Custom Paper 016	ENG	[1 to 4 / 2 / 1]
1-855-017	Nip Width Setting	Custom Paper 017	ENG	[1 to 4 / 2 / 1]
1-855-018	Nip Width Setting	Custom Paper 018	ENG	[1 to 4 / 2 / 1]
1-855-019	Nip Width Setting	Custom Paper 019	ENG	[1 to 4 / 2 / 1]
1-855-020	Nip Width Setting	Custom Paper 020	ENG	[1 to 4 / 2 / 1]
1-855-021	Nip Width Setting	Custom Paper 021	ENG	[1 to 4 / 2 / 1]
1-855-022	Nip Width Setting	Custom Paper 022	ENG	[1 to 4 / 2 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-855-023	Nip Width Setting	Custom Paper 023	ENG	[1 to 4 / 2 / 1]
1-855-024	Nip Width Setting	Custom Paper 024	ENG	[1 to 4 / 2 / 1]
1-855-025	Nip Width Setting	Custom Paper 025	ENG	[1 to 4 / 2 / 1]
1-855-026	Nip Width Setting	Custom Paper 026	ENG	[1 to 4 / 2 / 1]
1-855-027	Nip Width Setting	Custom Paper 027	ENG	[1 to 4 / 2 / 1]
1-855-028	Nip Width Setting	Custom Paper 028	ENG	[1 to 4 / 2 / 1]
1-855-029	Nip Width Setting	Custom Paper 029	ENG	[1 to 4 / 2 / 1]
1-855-030	Nip Width Setting	Custom Paper 030	ENG	[1 to 4 / 2 / 1]
1-855-031	Nip Width Setting	Custom Paper 031	ENG	[1 to 4 / 2 / 1]
1-855-032	Nip Width Setting	Custom Paper 032	ENG	[1 to 4 / 2 / 1]
1-855-033	Nip Width Setting	Custom Paper 033	ENG	[1 to 4 / 2 / 1]
1-855-034	Nip Width Setting	Custom Paper 034	ENG	[1 to 4 / 2 / 1]
1-855-035	Nip Width Setting	Custom Paper 035	ENG	[1 to 4 / 2 / 1]
1-855-036	Nip Width Setting	Custom Paper 036	ENG	[1 to 4 / 2 / 1]
1-855-037	Nip Width Setting	Custom Paper 037	ENG	[1 to 4 / 2 / 1]
1-855-038	Nip Width Setting	Custom Paper 038	ENG	[1 to 4 / 2 / 1]
1-855-039	Nip Width Setting	Custom Paper 039	ENG	[1 to 4 / 2 / 1]
1-855-040	Nip Width Setting	Custom Paper 040	ENG	[1 to 4 / 2 / 1]
1-855-041	Nip Width Setting	Custom Paper 041	ENG	[1 to 4 / 2 / 1]
1-855-042	Nip Width Setting	Custom Paper 042	ENG	[1 to 4 / 2 / 1]
1-855-043	Nip Width Setting	Custom Paper 043	ENG	[1 to 4 / 2 / 1]
1-855-044	Nip Width Setting	Custom Paper 044	ENG	[1 to 4 / 2 / 1]
1-855-045	Nip Width Setting	Custom Paper 045	ENG	[1 to 4 / 2 / 1]
1-855-046	Nip Width Setting	Custom Paper 046	ENG	[1 to 4 / 2 / 1]
1-855-047	Nip Width Setting	Custom Paper 047	ENG	[1 to 4 / 2 / 1]
1-855-048	Nip Width Setting	Custom Paper 048	ENG	[1 to 4 / 2 / 1]
1-855-049	Nip Width Setting	Custom Paper 049	ENG	[1 to 4 / 2 / 1]
1-855-050	Nip Width Setting	Custom Paper 050	ENG	[1 to 4 / 2 / 1]
1-855-051	Nip Width Setting	Custom Paper 051	ENG	[1 to 4 / 2 / 1]
1-855-052	Nip Width Setting	Custom Paper 052	ENG	[1 to 4 / 2 / 1]
1-855-053	Nip Width Setting	Custom Paper 053	ENG	[1 to 4 / 2 / 1]
1-855-054	Nip Width Setting	Custom Paper 054	ENG	[1 to 4 / 2 / 1]
1-855-055	Nip Width Setting	Custom Paper 055	ENG	[1 to 4 / 2 / 1]
1-855-056	Nip Width Setting	Custom Paper 056	ENG	[1 to 4 / 2 / 1]
1-855-057	Nip Width Setting	Custom Paper 057	ENG	[1 to 4 / 2 / 1]
1-855-058	Nip Width Setting	Custom Paper 058	ENG	[1 to 4 / 2 / 1]
1-855-059	Nip Width Setting	Custom Paper 059	ENG	[1 to 4 / 2 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-855-060	Nip Width Setting	Custom Paper 060	ENG	[1 to 4 / 2 / 1]
1-855-061	Nip Width Setting	Custom Paper 061	ENG	[1 to 4 / 2 / 1]
1-855-062	Nip Width Setting	Custom Paper 062	ENG	[1 to 4 / 2 / 1]
1-855-063	Nip Width Setting	Custom Paper 063	ENG	[1 to 4 / 2 / 1]
1-855-064	Nip Width Setting	Custom Paper 064	ENG	[1 to 4 / 2 / 1]
1-855-065	Nip Width Setting	Custom Paper 065	ENG	[1 to 4 / 2 / 1]
1-855-066	Nip Width Setting	Custom Paper 066	ENG	[1 to 4 / 2 / 1]
1-855-067	Nip Width Setting	Custom Paper 067	ENG	[1 to 4 / 2 / 1]
1-855-068	Nip Width Setting	Custom Paper 068	ENG	[1 to 4 / 2 / 1]
1-855-069	Nip Width Setting	Custom Paper 069	ENG	[1 to 4 / 2 / 1]
1-855-070	Nip Width Setting	Custom Paper 070	ENG	[1 to 4 / 2 / 1]
1-855-071	Nip Width Setting	Custom Paper 071	ENG	[1 to 4 / 2 / 1]
1-855-072	Nip Width Setting	Custom Paper 072	ENG	[1 to 4 / 2 / 1]
1-855-073	Nip Width Setting	Custom Paper 073	ENG	[1 to 4 / 2 / 1]
1-855-074	Nip Width Setting	Custom Paper 074	ENG	[1 to 4 / 2 / 1]
1-855-075	Nip Width Setting	Custom Paper 075	ENG	[1 to 4 / 2 / 1]
1-855-076	Nip Width Setting	Custom Paper 076	ENG	[1 to 4 / 2 / 1]
1-855-077	Nip Width Setting	Custom Paper 077	ENG	[1 to 4 / 2 / 1]
1-855-078	Nip Width Setting	Custom Paper 078	ENG	[1 to 4 / 2 / 1]
1-855-079	Nip Width Setting	Custom Paper 079	ENG	[1 to 4 / 2 / 1]
1-855-080	Nip Width Setting	Custom Paper 080	ENG	[1 to 4 / 2 / 1]
1-855-081	Nip Width Setting	Custom Paper 081	ENG	[1 to 4 / 2 / 1]
1-855-082	Nip Width Setting	Custom Paper 082	ENG	[1 to 4 / 2 / 1]
1-855-083	Nip Width Setting	Custom Paper 083	ENG	[1 to 4 / 2 / 1]
1-855-084	Nip Width Setting	Custom Paper 084	ENG	[1 to 4 / 2 / 1]
1-855-085	Nip Width Setting	Custom Paper 085	ENG	[1 to 4 / 2 / 1]
1-855-086	Nip Width Setting	Custom Paper 086	ENG	[1 to 4 / 2 / 1]
1-855-087	Nip Width Setting	Custom Paper 087	ENG	[1 to 4 / 2 / 1]
1-855-088	Nip Width Setting	Custom Paper 088	ENG	[1 to 4 / 2 / 1]
1-855-089	Nip Width Setting	Custom Paper 089	ENG	[1 to 4 / 2 / 1]
1-855-090	Nip Width Setting	Custom Paper 090	ENG	[1 to 4 / 2 / 1]
1-855-091	Nip Width Setting	Custom Paper 091	ENG	[1 to 4 / 2 / 1]
1-855-092	Nip Width Setting	Custom Paper 092	ENG	[1 to 4 / 2 / 1]
1-855-093	Nip Width Setting	Custom Paper 093	ENG	[1 to 4 / 2 / 1]
1-855-094	Nip Width Setting	Custom Paper 094	ENG	[1 to 4 / 2 / 1]
1-855-095	Nip Width Setting	Custom Paper 095	ENG	[1 to 4 / 2 / 1]
1-855-096	Nip Width Setting	Custom Paper 096	ENG	[1 to 4 / 2 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-855-097	Nip Width Setting	Custom Paper 097	ENG	[1 to 4 / 2 / 1]
1-855-098	Nip Width Setting	Custom Paper 098	ENG	[1 to 4 / 2 / 1]
1-855-099	Nip Width Setting	Custom Paper 099	ENG	[1 to 4 / 2 / 1]
1-855-100	Nip Width Setting	Custom Paper 100	ENG	[1 to 4 / 2 / 1]
1-856-001	L Temp:CPM Down	Custom Paper 001	ENG	[0 to 3 / 0 / 1]
1-856-002	L Temp:CPM Down	Custom Paper 002	ENG	[0 to 3 / 0 / 1]
1-856-003	L Temp:CPM Down	Custom Paper 003	ENG	[0 to 3 / 0 / 1]
1-856-004	L Temp:CPM Down	Custom Paper 004	ENG	[0 to 3 / 0 / 1]
1-856-005	L Temp:CPM Down	Custom Paper 005	ENG	[0 to 3 / 0 / 1]
1-856-006	L Temp:CPM Down	Custom Paper 006	ENG	[0 to 3 / 0 / 1]
1-856-007	L Temp:CPM Down	Custom Paper 007	ENG	[0 to 3 / 0 / 1]
1-856-008	L Temp:CPM Down	Custom Paper 008	ENG	[0 to 3 / 0 / 1]
1-856-009	L Temp:CPM Down	Custom Paper 009	ENG	[0 to 3 / 0 / 1]
1-856-010	L Temp:CPM Down	Custom Paper 010	ENG	[0 to 3 / 0 / 1]
1-856-011	L Temp:CPM Down	Custom Paper 011	ENG	[0 to 3 / 0 / 1]
1-856-012	L Temp:CPM Down	Custom Paper 012	ENG	[0 to 3 / 0 / 1]
1-856-013	L Temp:CPM Down	Custom Paper 013	ENG	[0 to 3 / 0 / 1]
1-856-014	L Temp:CPM Down	Custom Paper 014	ENG	[0 to 3 / 0 / 1]
1-856-015	L Temp:CPM Down	Custom Paper 015	ENG	[0 to 3 / 0 / 1]
1-856-016	L Temp:CPM Down	Custom Paper 016	ENG	[0 to 3 / 0 / 1]
1-856-017	L Temp:CPM Down	Custom Paper 017	ENG	[0 to 3 / 0 / 1]
1-856-018	L Temp:CPM Down	Custom Paper 018	ENG	[0 to 3 / 0 / 1]
1-856-019	L Temp:CPM Down	Custom Paper 019	ENG	[0 to 3 / 0 / 1]
1-856-020	L Temp:CPM Down	Custom Paper 020	ENG	[0 to 3 / 0 / 1]
1-856-021	L Temp:CPM Down	Custom Paper 021	ENG	[0 to 3 / 0 / 1]
1-856-022	L Temp:CPM Down	Custom Paper 022	ENG	[0 to 3 / 0 / 1]
1-856-023	L Temp:CPM Down	Custom Paper 023	ENG	[0 to 3 / 0 / 1]
1-856-024	L Temp:CPM Down	Custom Paper 024	ENG	[0 to 3 / 0 / 1]
1-856-025	L Temp:CPM Down	Custom Paper 025	ENG	[0 to 3 / 0 / 1]
1-856-026	L Temp:CPM Down	Custom Paper 026	ENG	[0 to 3 / 0 / 1]
1-856-027	L Temp:CPM Down	Custom Paper 027	ENG	[0 to 3 / 0 / 1]
1-856-028	L Temp:CPM Down	Custom Paper 028	ENG	[0 to 3 / 0 / 1]
1-856-029	L Temp:CPM Down	Custom Paper 029	ENG	[0 to 3 / 0 / 1]
1-856-030	L Temp:CPM Down	Custom Paper 030	ENG	[0 to 3 / 0 / 1]
1-856-031	L Temp:CPM Down	Custom Paper 031	ENG	[0 to 3 / 0 / 1]
1-856-032	L Temp:CPM Down	Custom Paper 032	ENG	[0 to 3 / 0 / 1]
1-856-033	L Temp:CPM Down	Custom Paper 033	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-856-034	L Temp:CPM Down	Custom Paper 034	ENG	[0 to 3 / 0 / 1]
1-856-035	L Temp:CPM Down	Custom Paper 035	ENG	[0 to 3 / 0 / 1]
1-856-036	L Temp:CPM Down	Custom Paper 036	ENG	[0 to 3 / 0 / 1]
1-856-037	L Temp:CPM Down	Custom Paper 037	ENG	[0 to 3 / 0 / 1]
1-856-038	L Temp:CPM Down	Custom Paper 038	ENG	[0 to 3 / 0 / 1]
1-856-039	L Temp:CPM Down	Custom Paper 039	ENG	[0 to 3 / 0 / 1]
1-856-040	L Temp:CPM Down	Custom Paper 040	ENG	[0 to 3 / 0 / 1]
1-856-041	L Temp:CPM Down	Custom Paper 041	ENG	[0 to 3 / 0 / 1]
1-856-042	L Temp:CPM Down	Custom Paper 042	ENG	[0 to 3 / 0 / 1]
1-856-043	L Temp:CPM Down	Custom Paper 043	ENG	[0 to 3 / 0 / 1]
1-856-044	L Temp:CPM Down	Custom Paper 044	ENG	[0 to 3 / 0 / 1]
1-856-045	L Temp:CPM Down	Custom Paper 045	ENG	[0 to 3 / 0 / 1]
1-856-046	L Temp:CPM Down	Custom Paper 046	ENG	[0 to 3 / 0 / 1]
1-856-047	L Temp:CPM Down	Custom Paper 047	ENG	[0 to 3 / 0 / 1]
1-856-048	L Temp:CPM Down	Custom Paper 048	ENG	[0 to 3 / 0 / 1]
1-856-049	L Temp:CPM Down	Custom Paper 049	ENG	[0 to 3 / 0 / 1]
1-856-050	L Temp:CPM Down	Custom Paper 050	ENG	[0 to 3 / 0 / 1]
1-856-051	L Temp:CPM Down	Custom Paper 051	ENG	[0 to 3 / 0 / 1]
1-856-052	L Temp:CPM Down	Custom Paper 052	ENG	[0 to 3 / 0 / 1]
1-856-053	L Temp:CPM Down	Custom Paper 053	ENG	[0 to 3 / 0 / 1]
1-856-054	L Temp:CPM Down	Custom Paper 054	ENG	[0 to 3 / 0 / 1]
1-856-055	L Temp:CPM Down	Custom Paper 055	ENG	[0 to 3 / 0 / 1]
1-856-056	L Temp:CPM Down	Custom Paper 056	ENG	[0 to 3 / 0 / 1]
1-856-057	L Temp:CPM Down	Custom Paper 057	ENG	[0 to 3 / 0 / 1]
1-856-058	L Temp:CPM Down	Custom Paper 058	ENG	[0 to 3 / 0 / 1]
1-856-059	L Temp:CPM Down	Custom Paper 059	ENG	[0 to 3 / 0 / 1]
1-856-060	L Temp:CPM Down	Custom Paper 060	ENG	[0 to 3 / 0 / 1]
1-856-061	L Temp:CPM Down	Custom Paper 061	ENG	[0 to 3 / 0 / 1]
1-856-062	L Temp:CPM Down	Custom Paper 062	ENG	[0 to 3 / 0 / 1]
1-856-063	L Temp:CPM Down	Custom Paper 063	ENG	[0 to 3 / 0 / 1]
1-856-064	L Temp:CPM Down	Custom Paper 064	ENG	[0 to 3 / 0 / 1]
1-856-065	L Temp:CPM Down	Custom Paper 065	ENG	[0 to 3 / 0 / 1]
1-856-066	L Temp:CPM Down	Custom Paper 066	ENG	[0 to 3 / 0 / 1]
1-856-067	L Temp:CPM Down	Custom Paper 067	ENG	[0 to 3 / 0 / 1]
1-856-068	L Temp:CPM Down	Custom Paper 068	ENG	[0 to 3 / 0 / 1]
1-856-069	L Temp:CPM Down	Custom Paper 069	ENG	[0 to 3 / 0 / 1]
1-856-070	L Temp:CPM Down	Custom Paper 070	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-856-071	L Temp:CPM Down	Custom Paper 071	ENG	[0 to 3 / 0 / 1]
1-856-072	L Temp:CPM Down	Custom Paper 072	ENG	[0 to 3 / 0 / 1]
1-856-073	L Temp:CPM Down	Custom Paper 073	ENG	[0 to 3 / 0 / 1]
1-856-074	L Temp:CPM Down	Custom Paper 074	ENG	[0 to 3 / 0 / 1]
1-856-075	L Temp:CPM Down	Custom Paper 075	ENG	[0 to 3 / 0 / 1]
1-856-076	L Temp:CPM Down	Custom Paper 076	ENG	[0 to 3 / 0 / 1]
1-856-077	L Temp:CPM Down	Custom Paper 077	ENG	[0 to 3 / 0 / 1]
1-856-078	L Temp:CPM Down	Custom Paper 078	ENG	[0 to 3 / 0 / 1]
1-856-079	L Temp:CPM Down	Custom Paper 079	ENG	[0 to 3 / 0 / 1]
1-856-080	L Temp:CPM Down	Custom Paper 080	ENG	[0 to 3 / 0 / 1]
1-856-081	L Temp:CPM Down	Custom Paper 081	ENG	[0 to 3 / 0 / 1]
1-856-082	L Temp:CPM Down	Custom Paper 082	ENG	[0 to 3 / 0 / 1]
1-856-083	L Temp:CPM Down	Custom Paper 083	ENG	[0 to 3 / 0 / 1]
1-856-084	L Temp:CPM Down	Custom Paper 084	ENG	[0 to 3 / 0 / 1]
1-856-085	L Temp:CPM Down	Custom Paper 085	ENG	[0 to 3 / 0 / 1]
1-856-086	L Temp:CPM Down	Custom Paper 086	ENG	[0 to 3 / 0 / 1]
1-856-087	L Temp:CPM Down	Custom Paper 087	ENG	[0 to 3 / 0 / 1]
1-856-088	L Temp:CPM Down	Custom Paper 088	ENG	[0 to 3 / 0 / 1]
1-856-089	L Temp:CPM Down	Custom Paper 089	ENG	[0 to 3 / 0 / 1]
1-856-090	L Temp:CPM Down	Custom Paper 090	ENG	[0 to 3 / 0 / 1]
1-856-091	L Temp:CPM Down	Custom Paper 091	ENG	[0 to 3 / 0 / 1]
1-856-092	L Temp:CPM Down	Custom Paper 092	ENG	[0 to 3 / 0 / 1]
1-856-093	L Temp:CPM Down	Custom Paper 093	ENG	[0 to 3 / 0 / 1]
1-856-094	L Temp:CPM Down	Custom Paper 094	ENG	[0 to 3 / 0 / 1]
1-856-095	L Temp:CPM Down	Custom Paper 095	ENG	[0 to 3 / 0 / 1]
1-856-096	L Temp:CPM Down	Custom Paper 096	ENG	[0 to 3 / 0 / 1]
1-856-097	L Temp:CPM Down	Custom Paper 097	ENG	[0 to 3 / 0 / 1]
1-856-098	L Temp:CPM Down	Custom Paper 098	ENG	[0 to 3 / 0 / 1]
1-856-099	L Temp:CPM Down	Custom Paper 099	ENG	[0 to 3 / 0 / 1]
1-856-100	L Temp:CPM Down	Custom Paper 100	ENG	[0 to 3 / 0 / 1]
1-857-001	Over N-Temp:CPM Down	Custom Paper 001	ENG	[0 to 3 / 0 / 1]
1-857-002	Over N-Temp:CPM Down	Custom Paper 002	ENG	[0 to 3 / 0 / 1]
1-857-003	Over N-Temp:CPM Down	Custom Paper 003	ENG	[0 to 3 / 0 / 1]
1-857-004	Over N-Temp:CPM Down	Custom Paper 004	ENG	[0 to 3 / 0 / 1]
1-857-005	Over N-Temp:CPM Down	Custom Paper 005	ENG	[0 to 3 / 0 / 1]
1-857-006	Over N-Temp:CPM Down	Custom Paper 006	ENG	[0 to 3 / 0 / 1]
1-857-007	Over N-Temp:CPM Down	Custom Paper 007	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-857-008	Over N-Temp:CPM Down	Custom Paper 008	ENG	[0 to 3 / 0 / 1]
1-857-009	Over N-Temp:CPM Down	Custom Paper 009	ENG	[0 to 3 / 0 / 1]
1-857-010	Over N-Temp:CPM Down	Custom Paper 010	ENG	[0 to 3 / 0 / 1]
1-857-011	Over N-Temp:CPM Down	Custom Paper 011	ENG	[0 to 3 / 0 / 1]
1-857-012	Over N-Temp:CPM Down	Custom Paper 012	ENG	[0 to 3 / 0 / 1]
1-857-013	Over N-Temp:CPM Down	Custom Paper 013	ENG	[0 to 3 / 0 / 1]
1-857-014	Over N-Temp:CPM Down	Custom Paper 014	ENG	[0 to 3 / 0 / 1]
1-857-015	Over N-Temp:CPM Down	Custom Paper 015	ENG	[0 to 3 / 0 / 1]
1-857-016	Over N-Temp:CPM Down	Custom Paper 016	ENG	[0 to 3 / 0 / 1]
1-857-017	Over N-Temp:CPM Down	Custom Paper 017	ENG	[0 to 3 / 0 / 1]
1-857-018	Over N-Temp:CPM Down	Custom Paper 018	ENG	[0 to 3 / 0 / 1]
1-857-019	Over N-Temp:CPM Down	Custom Paper 019	ENG	[0 to 3 / 0 / 1]
1-857-020	Over N-Temp:CPM Down	Custom Paper 020	ENG	[0 to 3 / 0 / 1]
1-857-021	Over N-Temp:CPM Down	Custom Paper 021	ENG	[0 to 3 / 0 / 1]
1-857-022	Over N-Temp:CPM Down	Custom Paper 022	ENG	[0 to 3 / 0 / 1]
1-857-023	Over N-Temp:CPM Down	Custom Paper 023	ENG	[0 to 3 / 0 / 1]
1-857-024	Over N-Temp:CPM Down	Custom Paper 024	ENG	[0 to 3 / 0 / 1]
1-857-025	Over N-Temp:CPM Down	Custom Paper 025	ENG	[0 to 3 / 0 / 1]
1-857-026	Over N-Temp:CPM Down	Custom Paper 026	ENG	[0 to 3 / 0 / 1]
1-857-027	Over N-Temp:CPM Down	Custom Paper 027	ENG	[0 to 3 / 0 / 1]
1-857-028	Over N-Temp:CPM Down	Custom Paper 028	ENG	[0 to 3 / 0 / 1]
1-857-029	Over N-Temp:CPM Down	Custom Paper 029	ENG	[0 to 3 / 0 / 1]
1-857-030	Over N-Temp:CPM Down	Custom Paper 030	ENG	[0 to 3 / 0 / 1]
1-857-031	Over N-Temp:CPM Down	Custom Paper 031	ENG	[0 to 3 / 0 / 1]
1-857-032	Over N-Temp:CPM Down	Custom Paper 032	ENG	[0 to 3 / 0 / 1]
1-857-033	Over N-Temp:CPM Down	Custom Paper 033	ENG	[0 to 3 / 0 / 1]
1-857-034	Over N-Temp:CPM Down	Custom Paper 034	ENG	[0 to 3 / 0 / 1]
1-857-035	Over N-Temp:CPM Down	Custom Paper 035	ENG	[0 to 3 / 0 / 1]
1-857-036	Over N-Temp:CPM Down	Custom Paper 036	ENG	[0 to 3 / 0 / 1]
1-857-037	Over N-Temp:CPM Down	Custom Paper 037	ENG	[0 to 3 / 0 / 1]
1-857-038	Over N-Temp:CPM Down	Custom Paper 038	ENG	[0 to 3 / 0 / 1]
1-857-039	Over N-Temp:CPM Down	Custom Paper 039	ENG	[0 to 3 / 0 / 1]
1-857-040	Over N-Temp:CPM Down	Custom Paper 040	ENG	[0 to 3 / 0 / 1]
1-857-041	Over N-Temp:CPM Down	Custom Paper 041	ENG	[0 to 3 / 0 / 1]
1-857-042	Over N-Temp:CPM Down	Custom Paper 042	ENG	[0 to 3 / 0 / 1]
1-857-043	Over N-Temp:CPM Down	Custom Paper 043	ENG	[0 to 3 / 0 / 1]
1-857-044	Over N-Temp:CPM Down	Custom Paper 044	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-857-045	Over N-Temp:CPM Down	Custom Paper 045	ENG	[0 to 3 / 0 / 1]
1-857-046	Over N-Temp:CPM Down	Custom Paper 046	ENG	[0 to 3 / 0 / 1]
1-857-047	Over N-Temp:CPM Down	Custom Paper 047	ENG	[0 to 3 / 0 / 1]
1-857-048	Over N-Temp:CPM Down	Custom Paper 048	ENG	[0 to 3 / 0 / 1]
1-857-049	Over N-Temp:CPM Down	Custom Paper 049	ENG	[0 to 3 / 0 / 1]
1-857-050	Over N-Temp:CPM Down	Custom Paper 050	ENG	[0 to 3 / 0 / 1]
1-857-051	Over N-Temp:CPM Down	Custom Paper 051	ENG	[0 to 3 / 0 / 1]
1-857-052	Over N-Temp:CPM Down	Custom Paper 052	ENG	[0 to 3 / 0 / 1]
1-857-053	Over N-Temp:CPM Down	Custom Paper 053	ENG	[0 to 3 / 0 / 1]
1-857-054	Over N-Temp:CPM Down	Custom Paper 054	ENG	[0 to 3 / 0 / 1]
1-857-055	Over N-Temp:CPM Down	Custom Paper 055	ENG	[0 to 3 / 0 / 1]
1-857-056	Over N-Temp:CPM Down	Custom Paper 056	ENG	[0 to 3 / 0 / 1]
1-857-057	Over N-Temp:CPM Down	Custom Paper 057	ENG	[0 to 3 / 0 / 1]
1-857-058	Over N-Temp:CPM Down	Custom Paper 058	ENG	[0 to 3 / 0 / 1]
1-857-059	Over N-Temp:CPM Down	Custom Paper 059	ENG	[0 to 3 / 0 / 1]
1-857-060	Over N-Temp:CPM Down	Custom Paper 060	ENG	[0 to 3 / 0 / 1]
1-857-061	Over N-Temp:CPM Down	Custom Paper 061	ENG	[0 to 3 / 0 / 1]
1-857-062	Over N-Temp:CPM Down	Custom Paper 062	ENG	[0 to 3 / 0 / 1]
1-857-063	Over N-Temp:CPM Down	Custom Paper 063	ENG	[0 to 3 / 0 / 1]
1-857-064	Over N-Temp:CPM Down	Custom Paper 064	ENG	[0 to 3 / 0 / 1]
1-857-065	Over N-Temp:CPM Down	Custom Paper 065	ENG	[0 to 3 / 0 / 1]
1-857-066	Over N-Temp:CPM Down	Custom Paper 066	ENG	[0 to 3 / 0 / 1]
1-857-067	Over N-Temp:CPM Down	Custom Paper 067	ENG	[0 to 3 / 0 / 1]
1-857-068	Over N-Temp:CPM Down	Custom Paper 068	ENG	[0 to 3 / 0 / 1]
1-857-069	Over N-Temp:CPM Down	Custom Paper 069	ENG	[0 to 3 / 0 / 1]
1-857-070	Over N-Temp:CPM Down	Custom Paper 070	ENG	[0 to 3 / 0 / 1]
1-857-071	Over N-Temp:CPM Down	Custom Paper 071	ENG	[0 to 3 / 0 / 1]
1-857-072	Over N-Temp:CPM Down	Custom Paper 072	ENG	[0 to 3 / 0 / 1]
1-857-073	Over N-Temp:CPM Down	Custom Paper 073	ENG	[0 to 3 / 0 / 1]
1-857-074	Over N-Temp:CPM Down	Custom Paper 074	ENG	[0 to 3 / 0 / 1]
1-857-075	Over N-Temp:CPM Down	Custom Paper 075	ENG	[0 to 3 / 0 / 1]
1-857-076	Over N-Temp:CPM Down	Custom Paper 076	ENG	[0 to 3 / 0 / 1]
1-857-077	Over N-Temp:CPM Down	Custom Paper 077	ENG	[0 to 3 / 0 / 1]
1-857-078	Over N-Temp:CPM Down	Custom Paper 078	ENG	[0 to 3 / 0 / 1]
1-857-079	Over N-Temp:CPM Down	Custom Paper 079	ENG	[0 to 3 / 0 / 1]
1-857-080	Over N-Temp:CPM Down	Custom Paper 080	ENG	[0 to 3 / 0 / 1]
1-857-081	Over N-Temp:CPM Down	Custom Paper 081	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-857-082	Over N-Temp:CPM Down	Custom Paper 082	ENG	[0 to 3 / 0 / 1]
1-857-083	Over N-Temp:CPM Down	Custom Paper 083	ENG	[0 to 3 / 0 / 1]
1-857-084	Over N-Temp:CPM Down	Custom Paper 084	ENG	[0 to 3 / 0 / 1]
1-857-085	Over N-Temp:CPM Down	Custom Paper 085	ENG	[0 to 3 / 0 / 1]
1-857-086	Over N-Temp:CPM Down	Custom Paper 086	ENG	[0 to 3 / 0 / 1]
1-857-087	Over N-Temp:CPM Down	Custom Paper 087	ENG	[0 to 3 / 0 / 1]
1-857-088	Over N-Temp:CPM Down	Custom Paper 088	ENG	[0 to 3 / 0 / 1]
1-857-089	Over N-Temp:CPM Down	Custom Paper 089	ENG	[0 to 3 / 0 / 1]
1-857-090	Over N-Temp:CPM Down	Custom Paper 090	ENG	[0 to 3 / 0 / 1]
1-857-091	Over N-Temp:CPM Down	Custom Paper 091	ENG	[0 to 3 / 0 / 1]
1-857-092	Over N-Temp:CPM Down	Custom Paper 092	ENG	[0 to 3 / 0 / 1]
1-857-093	Over N-Temp:CPM Down	Custom Paper 093	ENG	[0 to 3 / 0 / 1]
1-857-094	Over N-Temp:CPM Down	Custom Paper 094	ENG	[0 to 3 / 0 / 1]
1-857-095	Over N-Temp:CPM Down	Custom Paper 095	ENG	[0 to 3 / 0 / 1]
1-857-096	Over N-Temp:CPM Down	Custom Paper 096	ENG	[0 to 3 / 0 / 1]
1-857-097	Over N-Temp:CPM Down	Custom Paper 097	ENG	[0 to 3 / 0 / 1]
1-857-098	Over N-Temp:CPM Down	Custom Paper 098	ENG	[0 to 3 / 0 / 1]
1-857-099	Over N-Temp:CPM Down	Custom Paper 099	ENG	[0 to 3 / 0 / 1]
1-857-100	Over N-Temp:CPM Down	Custom Paper 100	ENG	[0 to 3 / 0 / 1]
1-858-001	Web Feed Interval	Custom Paper 001	ENG	[1 to 300 / 100 / 0.01]
1-858-002	Web Feed Interval	Custom Paper 002	ENG	[1 to 300 / 100 / 0.01]
1-858-003	Web Feed Interval	Custom Paper 003	ENG	[1 to 300 / 100 / 0.01]
1-858-004	Web Feed Interval	Custom Paper 004	ENG	[1 to 300 / 100 / 0.01]
1-858-005	Web Feed Interval	Custom Paper 005	ENG	[1 to 300 / 100 / 0.01]
1-858-006	Web Feed Interval	Custom Paper 006	ENG	[1 to 300 / 100 / 0.01]
1-858-007	Web Feed Interval	Custom Paper 007	ENG	[1 to 300 / 100 / 0.01]
1-858-008	Web Feed Interval	Custom Paper 008	ENG	[1 to 300 / 100 / 0.01]
1-858-009	Web Feed Interval	Custom Paper 009	ENG	[1 to 300 / 100 / 0.01]
1-858-010	Web Feed Interval	Custom Paper 010	ENG	[1 to 300 / 100 / 0.01]
1-858-011	Web Feed Interval	Custom Paper 011	ENG	[1 to 300 / 100 / 0.01]
1-858-012	Web Feed Interval	Custom Paper 012	ENG	[1 to 300 / 100 / 0.01]
1-858-013	Web Feed Interval	Custom Paper 013	ENG	[1 to 300 / 100 / 0.01]
1-858-014	Web Feed Interval	Custom Paper 014	ENG	[1 to 300 / 100 / 0.01]
1-858-015	Web Feed Interval	Custom Paper 015	ENG	[1 to 300 / 100 / 0.01]
1-858-016	Web Feed Interval	Custom Paper 016	ENG	[1 to 300 / 100 / 0.01]
1-858-017	Web Feed Interval	Custom Paper 017	ENG	[1 to 300 / 100 / 0.01]
1-858-018	Web Feed Interval	Custom Paper 018	ENG	[1 to 300 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-858-019	Web Feed Interval	Custom Paper 019	ENG	[1 to 300 / 100 / 0.01]
1-858-020	Web Feed Interval	Custom Paper 020	ENG	[1 to 300 / 100 / 0.01]
1-858-021	Web Feed Interval	Custom Paper 021	ENG	[1 to 300 / 100 / 0.01]
1-858-022	Web Feed Interval	Custom Paper 022	ENG	[1 to 300 / 100 / 0.01]
1-858-023	Web Feed Interval	Custom Paper 023	ENG	[1 to 300 / 100 / 0.01]
1-858-024	Web Feed Interval	Custom Paper 024	ENG	[1 to 300 / 100 / 0.01]
1-858-025	Web Feed Interval	Custom Paper 025	ENG	[1 to 300 / 100 / 0.01]
1-858-026	Web Feed Interval	Custom Paper 026	ENG	[1 to 300 / 100 / 0.01]
1-858-027	Web Feed Interval	Custom Paper 027	ENG	[1 to 300 / 100 / 0.01]
1-858-028	Web Feed Interval	Custom Paper 028	ENG	[1 to 300 / 100 / 0.01]
1-858-029	Web Feed Interval	Custom Paper 029	ENG	[1 to 300 / 100 / 0.01]
1-858-030	Web Feed Interval	Custom Paper 030	ENG	[1 to 300 / 100 / 0.01]
1-858-031	Web Feed Interval	Custom Paper 031	ENG	[1 to 300 / 100 / 0.01]
1-858-032	Web Feed Interval	Custom Paper 032	ENG	[1 to 300 / 100 / 0.01]
1-858-033	Web Feed Interval	Custom Paper 033	ENG	[1 to 300 / 100 / 0.01]
1-858-034	Web Feed Interval	Custom Paper 034	ENG	[1 to 300 / 100 / 0.01]
1-858-035	Web Feed Interval	Custom Paper 035	ENG	[1 to 300 / 100 / 0.01]
1-858-036	Web Feed Interval	Custom Paper 036	ENG	[1 to 300 / 100 / 0.01]
1-858-037	Web Feed Interval	Custom Paper 037	ENG	[1 to 300 / 100 / 0.01]
1-858-038	Web Feed Interval	Custom Paper 038	ENG	[1 to 300 / 100 / 0.01]
1-858-039	Web Feed Interval	Custom Paper 039	ENG	[1 to 300 / 100 / 0.01]
1-858-040	Web Feed Interval	Custom Paper 040	ENG	[1 to 300 / 100 / 0.01]
1-858-041	Web Feed Interval	Custom Paper 041	ENG	[1 to 300 / 100 / 0.01]
1-858-042	Web Feed Interval	Custom Paper 042	ENG	[1 to 300 / 100 / 0.01]
1-858-043	Web Feed Interval	Custom Paper 043	ENG	[1 to 300 / 100 / 0.01]
1-858-044	Web Feed Interval	Custom Paper 044	ENG	[1 to 300 / 100 / 0.01]
1-858-045	Web Feed Interval	Custom Paper 045	ENG	[1 to 300 / 100 / 0.01]
1-858-046	Web Feed Interval	Custom Paper 046	ENG	[1 to 300 / 100 / 0.01]
1-858-047	Web Feed Interval	Custom Paper 047	ENG	[1 to 300 / 100 / 0.01]
1-858-048	Web Feed Interval	Custom Paper 048	ENG	[1 to 300 / 100 / 0.01]
1-858-049	Web Feed Interval	Custom Paper 049	ENG	[1 to 300 / 100 / 0.01]
1-858-050	Web Feed Interval	Custom Paper 050	ENG	[1 to 300 / 100 / 0.01]
1-858-051	Web Feed Interval	Custom Paper 051	ENG	[1 to 300 / 100 / 0.01]
1-858-052	Web Feed Interval	Custom Paper 052	ENG	[1 to 300 / 100 / 0.01]
1-858-053	Web Feed Interval	Custom Paper 053	ENG	[1 to 300 / 100 / 0.01]
1-858-054	Web Feed Interval	Custom Paper 054	ENG	[1 to 300 / 100 / 0.01]
1-858-055	Web Feed Interval	Custom Paper 055	ENG	[1 to 300 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-858-056	Web Feed Interval	Custom Paper 056	ENG	[1 to 300 / 100 / 0.01]
1-858-057	Web Feed Interval	Custom Paper 057	ENG	[1 to 300 / 100 / 0.01]
1-858-058	Web Feed Interval	Custom Paper 058	ENG	[1 to 300 / 100 / 0.01]
1-858-059	Web Feed Interval	Custom Paper 059	ENG	[1 to 300 / 100 / 0.01]
1-858-060	Web Feed Interval	Custom Paper 060	ENG	[1 to 300 / 100 / 0.01]
1-858-061	Web Feed Interval	Custom Paper 061	ENG	[1 to 300 / 100 / 0.01]
1-858-062	Web Feed Interval	Custom Paper 062	ENG	[1 to 300 / 100 / 0.01]
1-858-063	Web Feed Interval	Custom Paper 063	ENG	[1 to 300 / 100 / 0.01]
1-858-064	Web Feed Interval	Custom Paper 064	ENG	[1 to 300 / 100 / 0.01]
1-858-065	Web Feed Interval	Custom Paper 065	ENG	[1 to 300 / 100 / 0.01]
1-858-066	Web Feed Interval	Custom Paper 066	ENG	[1 to 300 / 100 / 0.01]
1-858-067	Web Feed Interval	Custom Paper 067	ENG	[1 to 300 / 100 / 0.01]
1-858-068	Web Feed Interval	Custom Paper 068	ENG	[1 to 300 / 100 / 0.01]
1-858-069	Web Feed Interval	Custom Paper 069	ENG	[1 to 300 / 100 / 0.01]
1-858-070	Web Feed Interval	Custom Paper 070	ENG	[1 to 300 / 100 / 0.01]
1-858-071	Web Feed Interval	Custom Paper 071	ENG	[1 to 300 / 100 / 0.01]
1-858-072	Web Feed Interval	Custom Paper 072	ENG	[1 to 300 / 100 / 0.01]
1-858-073	Web Feed Interval	Custom Paper 073	ENG	[1 to 300 / 100 / 0.01]
1-858-074	Web Feed Interval	Custom Paper 074	ENG	[1 to 300 / 100 / 0.01]
1-858-075	Web Feed Interval	Custom Paper 075	ENG	[1 to 300 / 100 / 0.01]
1-858-076	Web Feed Interval	Custom Paper 076	ENG	[1 to 300 / 100 / 0.01]
1-858-077	Web Feed Interval	Custom Paper 077	ENG	[1 to 300 / 100 / 0.01]
1-858-078	Web Feed Interval	Custom Paper 078	ENG	[1 to 300 / 100 / 0.01]
1-858-079	Web Feed Interval	Custom Paper 079	ENG	[1 to 300 / 100 / 0.01]
1-858-080	Web Feed Interval	Custom Paper 080	ENG	[1 to 300 / 100 / 0.01]
1-858-081	Web Feed Interval	Custom Paper 081	ENG	[1 to 300 / 100 / 0.01]
1-858-082	Web Feed Interval	Custom Paper 082	ENG	[1 to 300 / 100 / 0.01]
1-858-083	Web Feed Interval	Custom Paper 083	ENG	[1 to 300 / 100 / 0.01]
1-858-084	Web Feed Interval	Custom Paper 084	ENG	[1 to 300 / 100 / 0.01]
1-858-085	Web Feed Interval	Custom Paper 085	ENG	[1 to 300 / 100 / 0.01]
1-858-086	Web Feed Interval	Custom Paper 086	ENG	[1 to 300 / 100 / 0.01]
1-858-087	Web Feed Interval	Custom Paper 087	ENG	[1 to 300 / 100 / 0.01]
1-858-088	Web Feed Interval	Custom Paper 088	ENG	[1 to 300 / 100 / 0.01]
1-858-089	Web Feed Interval	Custom Paper 089	ENG	[1 to 300 / 100 / 0.01]
1-858-090	Web Feed Interval	Custom Paper 090	ENG	[1 to 300 / 100 / 0.01]
1-858-091	Web Feed Interval	Custom Paper 091	ENG	[1 to 300 / 100 / 0.01]
1-858-092	Web Feed Interval	Custom Paper 092	ENG	[1 to 300 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-858-093	Web Feed Interval	Custom Paper 093	ENG	[1 to 300 / 100 / 0.01]
1-858-094	Web Feed Interval	Custom Paper 094	ENG	[1 to 300 / 100 / 0.01]
1-858-095	Web Feed Interval	Custom Paper 095	ENG	[1 to 300 / 100 / 0.01]
1-858-096	Web Feed Interval	Custom Paper 096	ENG	[1 to 300 / 100 / 0.01]
1-858-097	Web Feed Interval	Custom Paper 097	ENG	[1 to 300 / 100 / 0.01]
1-858-098	Web Feed Interval	Custom Paper 098	ENG	[1 to 300 / 100 / 0.01]
1-858-099	Web Feed Interval	Custom Paper 099	ENG	[1 to 300 / 100 / 0.01]
1-858-100	Web Feed Interval	Custom Paper 100	ENG	[1 to 300 / 100 / 0.01]
1-859-001	Press:Before Job	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-002	Press:Before Job	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-003	Press:Before Job	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-004	Press:Before Job	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-005	Press:Before Job	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-006	Press:Before Job	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-007	Press:Before Job	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-008	Press:Before Job	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-009	Press:Before Job	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-010	Press:Before Job	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: Pressure Release

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1 :Pressure
1-859-011	Press:Before Job	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-012	Press:Before Job	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-013	Press:Before Job	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-014	Press:Before Job	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-015	Press:Before Job	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-016	Press:Before Job	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-017	Press:Before Job	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-018	Press:Before Job	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-019	Press:Before Job	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-020	Press:Before Job	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-021	Press:Before Job	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-022	Press:Before Job	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-859-023	Press:Before Job	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-024	Press:Before Job	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-025	Press:Before Job	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-026	Press:Before Job	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-027	Press:Before Job	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-028	Press:Before Job	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-029	Press:Before Job	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-030	Press:Before Job	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-031	Press:Before Job	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-032	Press:Before Job	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-033	Press:Before Job	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-034	Press:Before Job	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-035	Press:Before Job	Custom Paper 035	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: Pressure Release 1 :Pressure
1-859-036	Press:Before Job	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-037	Press:Before Job	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-038	Press:Before Job	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-039	Press:Before Job	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-040	Press:Before Job	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-041	Press:Before Job	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-042	Press:Before Job	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-043	Press:Before Job	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-044	Press:Before Job	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-045	Press:Before Job	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-046	Press:Before Job	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-047	Press:Before Job	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: Pressure Release

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1 :Pressure
1-859-048	Press:Before Job	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-049	Press:Before Job	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-050	Press:Before Job	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-051	Press:Before Job	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-052	Press:Before Job	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-053	Press:Before Job	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-054	Press:Before Job	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-055	Press:Before Job	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-056	Press:Before Job	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-057	Press:Before Job	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-058	Press:Before Job	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-059	Press:Before Job	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-859-060	Press:Before Job	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-061	Press:Before Job	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-062	Press:Before Job	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-063	Press:Before Job	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-064	Press:Before Job	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-065	Press:Before Job	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-066	Press:Before Job	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-067	Press:Before Job	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-068	Press:Before Job	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-069	Press:Before Job	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-070	Press:Before Job	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-071	Press:Before Job	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-072	Press:Before Job	Custom Paper 072	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: Pressure Release 1 :Pressure
1-859-073	Press:Before Job	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-074	Press:Before Job	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-075	Press:Before Job	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-076	Press:Before Job	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-077	Press:Before Job	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-078	Press:Before Job	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-079	Press:Before Job	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-080	Press:Before Job	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-081	Press:Before Job	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-082	Press:Before Job	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-083	Press:Before Job	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-084	Press:Before Job	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: Pressure Release

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1 :Pressure
1-859-085	Press:Before Job	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-086	Press:Before Job	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-087	Press:Before Job	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-088	Press:Before Job	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-089	Press:Before Job	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-090	Press:Before Job	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-091	Press:Before Job	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-092	Press:Before Job	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-093	Press:Before Job	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-094	Press:Before Job	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-095	Press:Before Job	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-096	Press:Before Job	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-859-097	Press:Before Job	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-098	Press:Before Job	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-099	Press:Before Job	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure
1-859-100	Press:Before Job	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1 :Pressure

SP Group 1000-03

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-860-001	Press Start Time:Before Job	Custom Paper 001	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-002	Press Start Time:Before Job	Custom Paper 002	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-003	Press Start Time:Before Job	Custom Paper 003	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-004	Press Start Time:Before Job	Custom Paper 004	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-005	Press Start Time:Before Job	Custom Paper 005	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-006	Press Start Time:Before Job	Custom Paper 006	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-007	Press Start Time:Before Job	Custom Paper 007	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-008	Press Start Time:Before Job	Custom Paper 008	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-009	Press Start Time:Before Job	Custom Paper 009	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-010	Press Start Time:Before Job	Custom Paper 010	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-011	Press Start Time:Before Job	Custom Paper 011	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-012	Press Start Time:Before Job	Custom Paper 012	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-013	Press Start Time:Before Job	Custom Paper 013	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-014	Press Start Time:Before Job	Custom Paper 014	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-015	Press Start Time:Before Job	Custom Paper 015	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-016	Press Start Time:Before Job	Custom Paper 016	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-017	Press Start Time:Before Job	Custom Paper 017	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-	Press Start Time:Before	Custom Paper 018	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018	Job			
1-860-019	Press Start Time:Before Job	Custom Paper 019	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-020	Press Start Time:Before Job	Custom Paper 020	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-021	Press Start Time:Before Job	Custom Paper 021	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-022	Press Start Time:Before Job	Custom Paper 022	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-023	Press Start Time:Before Job	Custom Paper 023	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-024	Press Start Time:Before Job	Custom Paper 024	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-025	Press Start Time:Before Job	Custom Paper 025	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-026	Press Start Time:Before Job	Custom Paper 026	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-027	Press Start Time:Before Job	Custom Paper 027	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-028	Press Start Time:Before Job	Custom Paper 028	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-029	Press Start Time:Before Job	Custom Paper 029	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-030	Press Start Time:Before Job	Custom Paper 030	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-031	Press Start Time:Before Job	Custom Paper 031	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-032	Press Start Time:Before Job	Custom Paper 032	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-033	Press Start Time:Before Job	Custom Paper 033	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-034	Press Start Time:Before Job	Custom Paper 034	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-035	Press Start Time:Before Job	Custom Paper 035	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-	Press Start Time:Before	Custom Paper 036	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
036	Job			
1-860-037	Press Start Time:Before Job	Custom Paper 037	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-038	Press Start Time:Before Job	Custom Paper 038	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-039	Press Start Time:Before Job	Custom Paper 039	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-040	Press Start Time:Before Job	Custom Paper 040	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-041	Press Start Time:Before Job	Custom Paper 041	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-042	Press Start Time:Before Job	Custom Paper 042	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-043	Press Start Time:Before Job	Custom Paper 043	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-044	Press Start Time:Before Job	Custom Paper 044	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-045	Press Start Time:Before Job	Custom Paper 045	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-046	Press Start Time:Before Job	Custom Paper 046	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-047	Press Start Time:Before Job	Custom Paper 047	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-048	Press Start Time:Before Job	Custom Paper 048	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-049	Press Start Time:Before Job	Custom Paper 049	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-050	Press Start Time:Before Job	Custom Paper 050	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-051	Press Start Time:Before Job	Custom Paper 051	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-052	Press Start Time:Before Job	Custom Paper 052	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-053	Press Start Time:Before Job	Custom Paper 053	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-	Press Start Time:Before	Custom Paper 054	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
054	Job			
1-860-055	Press Start Time:Before Job	Custom Paper 055	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-056	Press Start Time:Before Job	Custom Paper 056	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-057	Press Start Time:Before Job	Custom Paper 057	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-058	Press Start Time:Before Job	Custom Paper 058	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-059	Press Start Time:Before Job	Custom Paper 059	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-060	Press Start Time:Before Job	Custom Paper 060	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-061	Press Start Time:Before Job	Custom Paper 061	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-062	Press Start Time:Before Job	Custom Paper 062	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-063	Press Start Time:Before Job	Custom Paper 063	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-064	Press Start Time:Before Job	Custom Paper 064	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-065	Press Start Time:Before Job	Custom Paper 065	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-066	Press Start Time:Before Job	Custom Paper 066	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-067	Press Start Time:Before Job	Custom Paper 067	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-068	Press Start Time:Before Job	Custom Paper 068	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-069	Press Start Time:Before Job	Custom Paper 069	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-070	Press Start Time:Before Job	Custom Paper 070	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-071	Press Start Time:Before Job	Custom Paper 071	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-	Press Start Time:Before	Custom Paper 072	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
072	Job			
1-860-073	Press Start Time:Before Job	Custom Paper 073	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-074	Press Start Time:Before Job	Custom Paper 074	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-075	Press Start Time:Before Job	Custom Paper 075	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-076	Press Start Time:Before Job	Custom Paper 076	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-077	Press Start Time:Before Job	Custom Paper 077	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-078	Press Start Time:Before Job	Custom Paper 078	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-079	Press Start Time:Before Job	Custom Paper 079	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-080	Press Start Time:Before Job	Custom Paper 080	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-081	Press Start Time:Before Job	Custom Paper 081	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-082	Press Start Time:Before Job	Custom Paper 082	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-083	Press Start Time:Before Job	Custom Paper 083	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-084	Press Start Time:Before Job	Custom Paper 084	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-085	Press Start Time:Before Job	Custom Paper 085	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-086	Press Start Time:Before Job	Custom Paper 086	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-087	Press Start Time:Before Job	Custom Paper 087	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-088	Press Start Time:Before Job	Custom Paper 088	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-089	Press Start Time:Before Job	Custom Paper 089	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-	Press Start Time:Before	Custom Paper 090	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
090	Job			
1-860-091	Press Start Time:Before Job	Custom Paper 091	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-092	Press Start Time:Before Job	Custom Paper 092	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-093	Press Start Time:Before Job	Custom Paper 093	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-094	Press Start Time:Before Job	Custom Paper 094	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-095	Press Start Time:Before Job	Custom Paper 095	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-096	Press Start Time:Before Job	Custom Paper 096	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-097	Press Start Time:Before Job	Custom Paper 097	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-098	Press Start Time:Before Job	Custom Paper 098	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-099	Press Start Time:Before Job	Custom Paper 099	ENG	[0 to 5000 / 0 / 0.1sec]
1-860-100	Press Start Time:Before Job	Custom Paper 100	ENG	[0 to 5000 / 0 / 0.1sec]
1-861-001	Norm Paper:Init Temp Calc	Custom Paper 001	ENG	[0 to 30 / 5 / 1deg]
1-861-002	Norm Paper:Init Temp Calc	Custom Paper 002	ENG	[0 to 30 / 5 / 1deg]
1-861-003	Norm Paper:Init Temp Calc	Custom Paper 003	ENG	[0 to 30 / 5 / 1deg]
1-861-004	Norm Paper:Init Temp Calc	Custom Paper 004	ENG	[0 to 30 / 5 / 1deg]
1-861-005	Norm Paper:Init Temp Calc	Custom Paper 005	ENG	[0 to 30 / 5 / 1deg]
1-861-006	Norm Paper:Init Temp Calc	Custom Paper 006	ENG	[0 to 30 / 5 / 1deg]
1-861-007	Norm Paper:Init Temp Calc	Custom Paper 007	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 008	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	Calc			
1-861-009	Norm Paper:Init Temp Calc	Custom Paper 009	ENG	[0 to 30 / 5 / 1deg]
1-861-010	Norm Paper:Init Temp Calc	Custom Paper 010	ENG	[0 to 30 / 5 / 1deg]
1-861-011	Norm Paper:Init Temp Calc	Custom Paper 011	ENG	[0 to 30 / 5 / 1deg]
1-861-012	Norm Paper:Init Temp Calc	Custom Paper 012	ENG	[0 to 30 / 5 / 1deg]
1-861-013	Norm Paper:Init Temp Calc	Custom Paper 013	ENG	[0 to 30 / 5 / 1deg]
1-861-014	Norm Paper:Init Temp Calc	Custom Paper 014	ENG	[0 to 30 / 5 / 1deg]
1-861-015	Norm Paper:Init Temp Calc	Custom Paper 015	ENG	[0 to 30 / 5 / 1deg]
1-861-016	Norm Paper:Init Temp Calc	Custom Paper 016	ENG	[0 to 30 / 5 / 1deg]
1-861-017	Norm Paper:Init Temp Calc	Custom Paper 017	ENG	[0 to 30 / 5 / 1deg]
1-861-018	Norm Paper:Init Temp Calc	Custom Paper 018	ENG	[0 to 30 / 5 / 1deg]
1-861-019	Norm Paper:Init Temp Calc	Custom Paper 019	ENG	[0 to 30 / 5 / 1deg]
1-861-020	Norm Paper:Init Temp Calc	Custom Paper 020	ENG	[0 to 30 / 5 / 1deg]
1-861-021	Norm Paper:Init Temp Calc	Custom Paper 021	ENG	[0 to 30 / 5 / 1deg]
1-861-022	Norm Paper:Init Temp Calc	Custom Paper 022	ENG	[0 to 30 / 5 / 1deg]
1-861-023	Norm Paper:Init Temp Calc	Custom Paper 023	ENG	[0 to 30 / 5 / 1deg]
1-861-024	Norm Paper:Init Temp Calc	Custom Paper 024	ENG	[0 to 30 / 5 / 1deg]
1-861-025	Norm Paper:Init Temp Calc	Custom Paper 025	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 026	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026	Calc			
1-861-027	Norm Paper:Init Temp Calc	Custom Paper 027	ENG	[0 to 30 / 5 / 1deg]
1-861-028	Norm Paper:Init Temp Calc	Custom Paper 028	ENG	[0 to 30 / 5 / 1deg]
1-861-029	Norm Paper:Init Temp Calc	Custom Paper 029	ENG	[0 to 30 / 5 / 1deg]
1-861-030	Norm Paper:Init Temp Calc	Custom Paper 030	ENG	[0 to 30 / 5 / 1deg]
1-861-031	Norm Paper:Init Temp Calc	Custom Paper 031	ENG	[0 to 30 / 5 / 1deg]
1-861-032	Norm Paper:Init Temp Calc	Custom Paper 032	ENG	[0 to 30 / 5 / 1deg]
1-861-033	Norm Paper:Init Temp Calc	Custom Paper 033	ENG	[0 to 30 / 5 / 1deg]
1-861-034	Norm Paper:Init Temp Calc	Custom Paper 034	ENG	[0 to 30 / 5 / 1deg]
1-861-035	Norm Paper:Init Temp Calc	Custom Paper 035	ENG	[0 to 30 / 5 / 1deg]
1-861-036	Norm Paper:Init Temp Calc	Custom Paper 036	ENG	[0 to 30 / 5 / 1deg]
1-861-037	Norm Paper:Init Temp Calc	Custom Paper 037	ENG	[0 to 30 / 5 / 1deg]
1-861-038	Norm Paper:Init Temp Calc	Custom Paper 038	ENG	[0 to 30 / 5 / 1deg]
1-861-039	Norm Paper:Init Temp Calc	Custom Paper 039	ENG	[0 to 30 / 5 / 1deg]
1-861-040	Norm Paper:Init Temp Calc	Custom Paper 040	ENG	[0 to 30 / 5 / 1deg]
1-861-041	Norm Paper:Init Temp Calc	Custom Paper 041	ENG	[0 to 30 / 5 / 1deg]
1-861-042	Norm Paper:Init Temp Calc	Custom Paper 042	ENG	[0 to 30 / 5 / 1deg]
1-861-043	Norm Paper:Init Temp Calc	Custom Paper 043	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 044	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
044	Calc			
1-861-045	Norm Paper:Init Temp Calc	Custom Paper 045	ENG	[0 to 30 / 5 / 1deg]
1-861-046	Norm Paper:Init Temp Calc	Custom Paper 046	ENG	[0 to 30 / 5 / 1deg]
1-861-047	Norm Paper:Init Temp Calc	Custom Paper 047	ENG	[0 to 30 / 5 / 1deg]
1-861-048	Norm Paper:Init Temp Calc	Custom Paper 048	ENG	[0 to 30 / 5 / 1deg]
1-861-049	Norm Paper:Init Temp Calc	Custom Paper 049	ENG	[0 to 30 / 5 / 1deg]
1-861-050	Norm Paper:Init Temp Calc	Custom Paper 050	ENG	[0 to 30 / 5 / 1deg]
1-861-051	Norm Paper:Init Temp Calc	Custom Paper 051	ENG	[0 to 30 / 5 / 1deg]
1-861-052	Norm Paper:Init Temp Calc	Custom Paper 052	ENG	[0 to 30 / 5 / 1deg]
1-861-053	Norm Paper:Init Temp Calc	Custom Paper 053	ENG	[0 to 30 / 5 / 1deg]
1-861-054	Norm Paper:Init Temp Calc	Custom Paper 054	ENG	[0 to 30 / 5 / 1deg]
1-861-055	Norm Paper:Init Temp Calc	Custom Paper 055	ENG	[0 to 30 / 5 / 1deg]
1-861-056	Norm Paper:Init Temp Calc	Custom Paper 056	ENG	[0 to 30 / 5 / 1deg]
1-861-057	Norm Paper:Init Temp Calc	Custom Paper 057	ENG	[0 to 30 / 5 / 1deg]
1-861-058	Norm Paper:Init Temp Calc	Custom Paper 058	ENG	[0 to 30 / 5 / 1deg]
1-861-059	Norm Paper:Init Temp Calc	Custom Paper 059	ENG	[0 to 30 / 5 / 1deg]
1-861-060	Norm Paper:Init Temp Calc	Custom Paper 060	ENG	[0 to 30 / 5 / 1deg]
1-861-061	Norm Paper:Init Temp Calc	Custom Paper 061	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 062	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062	Calc			
1-861-063	Norm Paper:Init Temp Calc	Custom Paper 063	ENG	[0 to 30 / 5 / 1deg]
1-861-064	Norm Paper:Init Temp Calc	Custom Paper 064	ENG	[0 to 30 / 5 / 1deg]
1-861-065	Norm Paper:Init Temp Calc	Custom Paper 065	ENG	[0 to 30 / 5 / 1deg]
1-861-066	Norm Paper:Init Temp Calc	Custom Paper 066	ENG	[0 to 30 / 5 / 1deg]
1-861-067	Norm Paper:Init Temp Calc	Custom Paper 067	ENG	[0 to 30 / 5 / 1deg]
1-861-068	Norm Paper:Init Temp Calc	Custom Paper 068	ENG	[0 to 30 / 5 / 1deg]
1-861-069	Norm Paper:Init Temp Calc	Custom Paper 069	ENG	[0 to 30 / 5 / 1deg]
1-861-070	Norm Paper:Init Temp Calc	Custom Paper 070	ENG	[0 to 30 / 5 / 1deg]
1-861-071	Norm Paper:Init Temp Calc	Custom Paper 071	ENG	[0 to 30 / 5 / 1deg]
1-861-072	Norm Paper:Init Temp Calc	Custom Paper 072	ENG	[0 to 30 / 5 / 1deg]
1-861-073	Norm Paper:Init Temp Calc	Custom Paper 073	ENG	[0 to 30 / 5 / 1deg]
1-861-074	Norm Paper:Init Temp Calc	Custom Paper 074	ENG	[0 to 30 / 5 / 1deg]
1-861-075	Norm Paper:Init Temp Calc	Custom Paper 075	ENG	[0 to 30 / 5 / 1deg]
1-861-076	Norm Paper:Init Temp Calc	Custom Paper 076	ENG	[0 to 30 / 5 / 1deg]
1-861-077	Norm Paper:Init Temp Calc	Custom Paper 077	ENG	[0 to 30 / 5 / 1deg]
1-861-078	Norm Paper:Init Temp Calc	Custom Paper 078	ENG	[0 to 30 / 5 / 1deg]
1-861-079	Norm Paper:Init Temp Calc	Custom Paper 079	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 080	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080	Calc			
1-861-081	Norm Paper:Init Temp Calc	Custom Paper 081	ENG	[0 to 30 / 5 / 1deg]
1-861-082	Norm Paper:Init Temp Calc	Custom Paper 082	ENG	[0 to 30 / 5 / 1deg]
1-861-083	Norm Paper:Init Temp Calc	Custom Paper 083	ENG	[0 to 30 / 5 / 1deg]
1-861-084	Norm Paper:Init Temp Calc	Custom Paper 084	ENG	[0 to 30 / 5 / 1deg]
1-861-085	Norm Paper:Init Temp Calc	Custom Paper 085	ENG	[0 to 30 / 5 / 1deg]
1-861-086	Norm Paper:Init Temp Calc	Custom Paper 086	ENG	[0 to 30 / 5 / 1deg]
1-861-087	Norm Paper:Init Temp Calc	Custom Paper 087	ENG	[0 to 30 / 5 / 1deg]
1-861-088	Norm Paper:Init Temp Calc	Custom Paper 088	ENG	[0 to 30 / 5 / 1deg]
1-861-089	Norm Paper:Init Temp Calc	Custom Paper 089	ENG	[0 to 30 / 5 / 1deg]
1-861-090	Norm Paper:Init Temp Calc	Custom Paper 090	ENG	[0 to 30 / 5 / 1deg]
1-861-091	Norm Paper:Init Temp Calc	Custom Paper 091	ENG	[0 to 30 / 5 / 1deg]
1-861-092	Norm Paper:Init Temp Calc	Custom Paper 092	ENG	[0 to 30 / 5 / 1deg]
1-861-093	Norm Paper:Init Temp Calc	Custom Paper 093	ENG	[0 to 30 / 5 / 1deg]
1-861-094	Norm Paper:Init Temp Calc	Custom Paper 094	ENG	[0 to 30 / 5 / 1deg]
1-861-095	Norm Paper:Init Temp Calc	Custom Paper 095	ENG	[0 to 30 / 5 / 1deg]
1-861-096	Norm Paper:Init Temp Calc	Custom Paper 096	ENG	[0 to 30 / 5 / 1deg]
1-861-097	Norm Paper:Init Temp Calc	Custom Paper 097	ENG	[0 to 30 / 5 / 1deg]
1-861-	Norm Paper:Init Temp	Custom Paper 098	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
098	Calc			
1-861-099	Norm Paper:Init Temp Calc	Custom Paper 099	ENG	[0 to 30 / 5 / 1deg]
1-861-100	Norm Paper:Init Temp Calc	Custom Paper 100	ENG	[0 to 30 / 5 / 1deg]
1-862-001	Norm Paper:Init Temp Calc2	Custom Paper 001	ENG	[0 to 30 / 5 / 1deg]
1-862-002	Norm Paper:Init Temp Calc2	Custom Paper 002	ENG	[0 to 30 / 5 / 1deg]
1-862-003	Norm Paper:Init Temp Calc2	Custom Paper 003	ENG	[0 to 30 / 5 / 1deg]
1-862-004	Norm Paper:Init Temp Calc2	Custom Paper 004	ENG	[0 to 30 / 5 / 1deg]
1-862-005	Norm Paper:Init Temp Calc2	Custom Paper 005	ENG	[0 to 30 / 5 / 1deg]
1-862-006	Norm Paper:Init Temp Calc2	Custom Paper 006	ENG	[0 to 30 / 5 / 1deg]
1-862-007	Norm Paper:Init Temp Calc2	Custom Paper 007	ENG	[0 to 30 / 5 / 1deg]
1-862-008	Norm Paper:Init Temp Calc2	Custom Paper 008	ENG	[0 to 30 / 5 / 1deg]
1-862-009	Norm Paper:Init Temp Calc2	Custom Paper 009	ENG	[0 to 30 / 5 / 1deg]
1-862-010	Norm Paper:Init Temp Calc2	Custom Paper 010	ENG	[0 to 30 / 5 / 1deg]
1-862-011	Norm Paper:Init Temp Calc2	Custom Paper 011	ENG	[0 to 30 / 5 / 1deg]
1-862-012	Norm Paper:Init Temp Calc2	Custom Paper 012	ENG	[0 to 30 / 5 / 1deg]
1-862-013	Norm Paper:Init Temp Calc2	Custom Paper 013	ENG	[0 to 30 / 5 / 1deg]
1-862-014	Norm Paper:Init Temp Calc2	Custom Paper 014	ENG	[0 to 30 / 5 / 1deg]
1-862-015	Norm Paper:Init Temp Calc2	Custom Paper 015	ENG	[0 to 30 / 5 / 1deg]
1-862-	Norm Paper:Init Temp	Custom Paper 016	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016	Calc2			
1-862-017	Norm Paper:Init Temp Calc2	Custom Paper 017	ENG	[0 to 30 / 5 / 1deg]
1-862-018	Norm Paper:Init Temp Calc2	Custom Paper 018	ENG	[0 to 30 / 5 / 1deg]
1-862-019	Norm Paper:Init Temp Calc2	Custom Paper 019	ENG	[0 to 30 / 5 / 1deg]
1-862-020	Norm Paper:Init Temp Calc2	Custom Paper 020	ENG	[0 to 30 / 5 / 1deg]
1-862-021	Norm Paper:Init Temp Calc2	Custom Paper 021	ENG	[0 to 30 / 5 / 1deg]
1-862-022	Norm Paper:Init Temp Calc2	Custom Paper 022	ENG	[0 to 30 / 5 / 1deg]
1-862-023	Norm Paper:Init Temp Calc2	Custom Paper 023	ENG	[0 to 30 / 5 / 1deg]
1-862-024	Norm Paper:Init Temp Calc2	Custom Paper 024	ENG	[0 to 30 / 5 / 1deg]
1-862-025	Norm Paper:Init Temp Calc2	Custom Paper 025	ENG	[0 to 30 / 5 / 1deg]
1-862-026	Norm Paper:Init Temp Calc2	Custom Paper 026	ENG	[0 to 30 / 5 / 1deg]
1-862-027	Norm Paper:Init Temp Calc2	Custom Paper 027	ENG	[0 to 30 / 5 / 1deg]
1-862-028	Norm Paper:Init Temp Calc2	Custom Paper 028	ENG	[0 to 30 / 5 / 1deg]
1-862-029	Norm Paper:Init Temp Calc2	Custom Paper 029	ENG	[0 to 30 / 5 / 1deg]
1-862-030	Norm Paper:Init Temp Calc2	Custom Paper 030	ENG	[0 to 30 / 5 / 1deg]
1-862-031	Norm Paper:Init Temp Calc2	Custom Paper 031	ENG	[0 to 30 / 5 / 1deg]
1-862-032	Norm Paper:Init Temp Calc2	Custom Paper 032	ENG	[0 to 30 / 5 / 1deg]
1-862-033	Norm Paper:Init Temp Calc2	Custom Paper 033	ENG	[0 to 30 / 5 / 1deg]
1-862-	Norm Paper:Init Temp	Custom Paper 034	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034	Calc2			
1-862-035	Norm Paper:Init Temp Calc2	Custom Paper 035	ENG	[0 to 30 / 5 / 1deg]
1-862-036	Norm Paper:Init Temp Calc2	Custom Paper 036	ENG	[0 to 30 / 5 / 1deg]
1-862-037	Norm Paper:Init Temp Calc2	Custom Paper 037	ENG	[0 to 30 / 5 / 1deg]
1-862-038	Norm Paper:Init Temp Calc2	Custom Paper 038	ENG	[0 to 30 / 5 / 1deg]
1-862-039	Norm Paper:Init Temp Calc2	Custom Paper 039	ENG	[0 to 30 / 5 / 1deg]
1-862-040	Norm Paper:Init Temp Calc2	Custom Paper 040	ENG	[0 to 30 / 5 / 1deg]
1-862-041	Norm Paper:Init Temp Calc2	Custom Paper 041	ENG	[0 to 30 / 5 / 1deg]
1-862-042	Norm Paper:Init Temp Calc2	Custom Paper 042	ENG	[0 to 30 / 5 / 1deg]
1-862-043	Norm Paper:Init Temp Calc2	Custom Paper 043	ENG	[0 to 30 / 5 / 1deg]
1-862-044	Norm Paper:Init Temp Calc2	Custom Paper 044	ENG	[0 to 30 / 5 / 1deg]
1-862-045	Norm Paper:Init Temp Calc2	Custom Paper 045	ENG	[0 to 30 / 5 / 1deg]
1-862-046	Norm Paper:Init Temp Calc2	Custom Paper 046	ENG	[0 to 30 / 5 / 1deg]
1-862-047	Norm Paper:Init Temp Calc2	Custom Paper 047	ENG	[0 to 30 / 5 / 1deg]
1-862-048	Norm Paper:Init Temp Calc2	Custom Paper 048	ENG	[0 to 30 / 5 / 1deg]
1-862-049	Norm Paper:Init Temp Calc2	Custom Paper 049	ENG	[0 to 30 / 5 / 1deg]
1-862-050	Norm Paper:Init Temp Calc2	Custom Paper 050	ENG	[0 to 30 / 5 / 1deg]
1-862-051	Norm Paper:Init Temp Calc2	Custom Paper 051	ENG	[0 to 30 / 5 / 1deg]
1-862-	Norm Paper:Init Temp	Custom Paper 052	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052	Calc2			
1-862-053	Norm Paper:Init Temp Calc2	Custom Paper 053	ENG	[0 to 30 / 5 / 1deg]
1-862-054	Norm Paper:Init Temp Calc2	Custom Paper 054	ENG	[0 to 30 / 5 / 1deg]
1-862-055	Norm Paper:Init Temp Calc2	Custom Paper 055	ENG	[0 to 30 / 5 / 1deg]
1-862-056	Norm Paper:Init Temp Calc2	Custom Paper 056	ENG	[0 to 30 / 5 / 1deg]
1-862-057	Norm Paper:Init Temp Calc2	Custom Paper 057	ENG	[0 to 30 / 5 / 1deg]
1-862-058	Norm Paper:Init Temp Calc2	Custom Paper 058	ENG	[0 to 30 / 5 / 1deg]
1-862-059	Norm Paper:Init Temp Calc2	Custom Paper 059	ENG	[0 to 30 / 5 / 1deg]
1-862-060	Norm Paper:Init Temp Calc2	Custom Paper 060	ENG	[0 to 30 / 5 / 1deg]
1-862-061	Norm Paper:Init Temp Calc2	Custom Paper 061	ENG	[0 to 30 / 5 / 1deg]
1-862-062	Norm Paper:Init Temp Calc2	Custom Paper 062	ENG	[0 to 30 / 5 / 1deg]
1-862-063	Norm Paper:Init Temp Calc2	Custom Paper 063	ENG	[0 to 30 / 5 / 1deg]
1-862-064	Norm Paper:Init Temp Calc2	Custom Paper 064	ENG	[0 to 30 / 5 / 1deg]
1-862-065	Norm Paper:Init Temp Calc2	Custom Paper 065	ENG	[0 to 30 / 5 / 1deg]
1-862-066	Norm Paper:Init Temp Calc2	Custom Paper 066	ENG	[0 to 30 / 5 / 1deg]
1-862-067	Norm Paper:Init Temp Calc2	Custom Paper 067	ENG	[0 to 30 / 5 / 1deg]
1-862-068	Norm Paper:Init Temp Calc2	Custom Paper 068	ENG	[0 to 30 / 5 / 1deg]
1-862-069	Norm Paper:Init Temp Calc2	Custom Paper 069	ENG	[0 to 30 / 5 / 1deg]
1-862-	Norm Paper:Init Temp	Custom Paper 070	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070	Calc2			
1-862-071	Norm Paper:Init Temp Calc2	Custom Paper 071	ENG	[0 to 30 / 5 / 1deg]
1-862-072	Norm Paper:Init Temp Calc2	Custom Paper 072	ENG	[0 to 30 / 5 / 1deg]
1-862-073	Norm Paper:Init Temp Calc2	Custom Paper 073	ENG	[0 to 30 / 5 / 1deg]
1-862-074	Norm Paper:Init Temp Calc2	Custom Paper 074	ENG	[0 to 30 / 5 / 1deg]
1-862-075	Norm Paper:Init Temp Calc2	Custom Paper 075	ENG	[0 to 30 / 5 / 1deg]
1-862-076	Norm Paper:Init Temp Calc2	Custom Paper 076	ENG	[0 to 30 / 5 / 1deg]
1-862-077	Norm Paper:Init Temp Calc2	Custom Paper 077	ENG	[0 to 30 / 5 / 1deg]
1-862-078	Norm Paper:Init Temp Calc2	Custom Paper 078	ENG	[0 to 30 / 5 / 1deg]
1-862-079	Norm Paper:Init Temp Calc2	Custom Paper 079	ENG	[0 to 30 / 5 / 1deg]
1-862-080	Norm Paper:Init Temp Calc2	Custom Paper 080	ENG	[0 to 30 / 5 / 1deg]
1-862-081	Norm Paper:Init Temp Calc2	Custom Paper 081	ENG	[0 to 30 / 5 / 1deg]
1-862-082	Norm Paper:Init Temp Calc2	Custom Paper 082	ENG	[0 to 30 / 5 / 1deg]
1-862-083	Norm Paper:Init Temp Calc2	Custom Paper 083	ENG	[0 to 30 / 5 / 1deg]
1-862-084	Norm Paper:Init Temp Calc2	Custom Paper 084	ENG	[0 to 30 / 5 / 1deg]
1-862-085	Norm Paper:Init Temp Calc2	Custom Paper 085	ENG	[0 to 30 / 5 / 1deg]
1-862-086	Norm Paper:Init Temp Calc2	Custom Paper 086	ENG	[0 to 30 / 5 / 1deg]
1-862-087	Norm Paper:Init Temp Calc2	Custom Paper 087	ENG	[0 to 30 / 5 / 1deg]
1-862-	Norm Paper:Init Temp	Custom Paper 088	ENG	[0 to 30 / 5 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
088	Calc2			
1-862-089	Norm Paper:Init Temp Calc2	Custom Paper 089	ENG	[0 to 30 / 5 / 1deg]
1-862-090	Norm Paper:Init Temp Calc2	Custom Paper 090	ENG	[0 to 30 / 5 / 1deg]
1-862-091	Norm Paper:Init Temp Calc2	Custom Paper 091	ENG	[0 to 30 / 5 / 1deg]
1-862-092	Norm Paper:Init Temp Calc2	Custom Paper 092	ENG	[0 to 30 / 5 / 1deg]
1-862-093	Norm Paper:Init Temp Calc2	Custom Paper 093	ENG	[0 to 30 / 5 / 1deg]
1-862-094	Norm Paper:Init Temp Calc2	Custom Paper 094	ENG	[0 to 30 / 5 / 1deg]
1-862-095	Norm Paper:Init Temp Calc2	Custom Paper 095	ENG	[0 to 30 / 5 / 1deg]
1-862-096	Norm Paper:Init Temp Calc2	Custom Paper 096	ENG	[0 to 30 / 5 / 1deg]
1-862-097	Norm Paper:Init Temp Calc2	Custom Paper 097	ENG	[0 to 30 / 5 / 1deg]
1-862-098	Norm Paper:Init Temp Calc2	Custom Paper 098	ENG	[0 to 30 / 5 / 1deg]
1-862-099	Norm Paper:Init Temp Calc2	Custom Paper 099	ENG	[0 to 30 / 5 / 1deg]
1-862-100	Norm Paper:Init Temp Calc2	Custom Paper 100	ENG	[0 to 30 / 5 / 1deg]
1-902-001	Cleaning Web Setting	Web Consumption	ENG	[0 to 107 / 0 / 1]
1-902-002	Cleaning Web Setting	Fusing Web Motor Operation Time	ENG	[36 to 1300 / * / 0.1sec] *Pro 8200S:213 *Pro 8210S/8210Y:182 *Pro 8220S/8220Y:150
1-902-003	Cleaning Web Setting	Web Motor Rotation Time	ENG	[3 to 35 / 28 / 0.1sec]
1-902-004	Cleaning Web Setting	Web Near End Setting	ENG	[50 to 100 / 71 / 1%]
1-902-	Cleaning Web Setting	Web End Memory	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
1-902-007	Cleaning Web Setting	Correction Coeff	ENG	[0 to 200 / 79 / 0.01]
1-902-008	Cleaning Web Setting	Takeup Rotations After Jam	ENG	[0 to 30 / 10 / 1]
1-902-010	Cleaning Web Setting	Sequence for Each Reload	ENG	[0 to 300 / 35 / 0.1sec]
1-902-011	Cleaning Web Setting	Rotations After Cold Start	ENG	[0 to 30 / 10 / 1]
1-902-012	Cleaning Web Setting	Fixed Operation Time 1	ENG	[40 to 60 / 50 / 1%]
1-902-013	Cleaning Web Setting	Fixed Operation Time 2	ENG	[61 to 120 / 81 / 1%]
1-902-019	Cleaning Web Setting	Web Counter Clear Recording	ENG	[0 to 1 / 0 / 1]
1-902-020	Cleaning Web Setting	Decision Temp:Press/Low Temp.	ENG	[0 to 200 / 20 / 1deg]
1-902-031	Cleaning Web Setting	Standby: Web Operation Time	ENG	[1 to 99999 / 99999 / 1sec]
1-902-032	Cleaning Web Setting	Standby: Web Rotation Times	ENG	[1 to 30 / 1 / 1]
1-903-001	Web Drive Time	Web: Total Page Counter	ENG	[0 to 999999999 / 0 / 1sec]
1-903-003	Web Drive Time	Operation Interval Count	ENG	[0 to 1300 / 0 / 0.1sec]
1-903-004	Web Drive Time	Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-903-010	Web Drive Time	Standby Rotation Time Counter	ENG	[0 to 99999 / 0 / 1sec]
1-903-011	Web Drive Time	Standby Total Operation Rotations	ENG	[0 to 999999999 / 0 / 1Cycle]
1-904-001	Non-Carbon Paper Counter		ENG	[0 to 999999999 / 0 / 1]
1-906-001	De-curler Setting	Tray1:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 2
1-906-002	De-curler Setting	Tray2:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 3
1-906-003	De-curler Setting	Tray3:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 4
1-906-004	De-curler Setting	Tray4:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 5
1-906-005	De-curler Setting	Tray5:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 6
1-906-006	De-curler Setting	Tray6:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				4: upper pass 1 5: upper pass 7
1-906-007	De-curler Setting	Tray7:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 8
1-906-008	De-curler Setting	TrayT1:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 9
1-906-009	De-curler Setting	TrayT2:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 10
1-906-010	De-curler Setting	TrayT3:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 11
1-906-011	De-curler Setting	TrayT4:Paper Path Selection	ENG	[0 to 5 / 3 / 1-] 0: lower pass def 1: lower pass 1 2: lower pass 2 3: upper pass def 4: upper pass 1 5: upper pass 12

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-909-001	Force Send to Purge Tray	Purge Mode Selection	ENG	[0 to 3 / 1 / 1-]
1-912-001	CIS LED Power Adjustment	Execute	ENG	[0 to 1 / 0 / 0]
1-913-001	CIS LED Adj. Result Displ	PWM Duty	ENG	[0x00 to 0xAA / 0x3A / 1]
1-914-001	CIS P Pass Pixel Display	Tray1:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-002	CIS P Pass Pixel Display	Tray1:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-003	CIS P Pass Pixel Display	Tray1:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-004	CIS P Pass Pixel Display	Tray1:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-005	CIS P Pass Pixel Display	Tray1:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-006	CIS P Pass Pixel Display	Tray1:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-007	CIS P Pass Pixel Display	Tray1:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-008	CIS P Pass Pixel Display	Tray1:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-009	CIS P Pass Pixel Display	Tray1:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-010	CIS P Pass Pixel Display	Tray2:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-011	CIS P Pass Pixel Display	Tray2:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-012	CIS P Pass Pixel Display	Tray2:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-013	CIS P Pass Pixel Display	Tray2:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-014	CIS P Pass Pixel Display	Tray2:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-015	CIS P Pass Pixel Display	Tray2:LShift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-016	CIS P Pass Pixel Display	Tray2:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-017	CIS P Pass Pixel Display	Tray2:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-018	CIS P Pass Pixel Display	Tray2:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-019	CIS P Pass Pixel Display	Tray3:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-020	CIS P Pass Pixel Display	Tray3:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-021	CIS P Pass Pixel Display	Tray3:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-022	CIS P Pass Pixel Display	Tray3:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-023	CIS P Pass Pixel Display	Tray3:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-024	CIS P Pass Pixel Display	Tray3:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-025	CIS P Pass Pixel Display	Tray3:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-026	CIS P Pass Pixel Display	Tray3:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-027	CIS P Pass Pixel Display	Tray3:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-028	CIS P Pass Pixel Display	Back:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-029	CIS P Pass Pixel Display	Back:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-030	CIS P Pass Pixel Display	Back:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-031	CIS P Pass Pixel Display	Back:LE_Shift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-032	CIS P Pass Pixel Display	Back:LE_Shift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-033	CIS P Pass Pixel Display	Back:LE_Shift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-034	CIS P Pass Pixel Display	Back:TE_Shift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-035	CIS P Pass Pixel Display	Back:TE_Shift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-036	CIS P Pass Pixel Display	Back:TE_Shift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-037	CIS P Pass Pixel Display	Tray4:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-038	CIS P Pass Pixel Display	Tray4:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-039	CIS P Pass Pixel Display	Tray4:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-040	CIS P Pass Pixel Display	Tray4:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-041	CIS P Pass Pixel Display	Tray4:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-042	CIS P Pass Pixel Display	Tray4:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-043	CIS P Pass Pixel Display	Tray4:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-044	CIS P Pass Pixel Display	Tray4:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-045	CIS P Pass Pixel Display	Tray4:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-046	CIS P Pass Pixel Display	Tray5:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-047	CIS P Pass Pixel Display	Tray5:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-048	CIS P Pass Pixel Display	Tray5:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-049	CIS P Pass Pixel Display	Tray5:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-050	CIS P Pass Pixel Display	Tray5:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-051	CIS P Pass Pixel Display	Tray5:LShift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-052	CIS P Pass Pixel Display	Tray5:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-053	CIS P Pass Pixel Display	Tray5:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-054	CIS P Pass Pixel Display	Tray5:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-055	CIS P Pass Pixel Display	Tray6:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-056	CIS P Pass Pixel Display	Tray6:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-057	CIS P Pass Pixel Display	Tray6:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-058	CIS P Pass Pixel Display	Tray6:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-059	CIS P Pass Pixel Display	Tray6:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-060	CIS P Pass Pixel Display	Tray6:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-061	CIS P Pass Pixel Display	Tray6:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-062	CIS P Pass Pixel Display	Tray6:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-063	CIS P Pass Pixel Display	Tray6:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-064	CIS P Pass Pixel Display	Tray7:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-065	CIS P Pass Pixel Display	Tray7:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-066	CIS P Pass Pixel Display	Tray7:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-067	CIS P Pass Pixel Display	Tray7:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-068	CIS P Pass Pixel Display	Tray7:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-069	CIS P Pass Pixel Display	Tray7:LShift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-070	CIS P Pass Pixel Display	Tray7:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-071	CIS P Pass Pixel Display	Tray7:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-072	CIS P Pass Pixel Display	Tray7:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-073	CIS P Pass Pixel Display	TrayT1:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-074	CIS P Pass Pixel Display	TrayT1:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-075	CIS P Pass Pixel Display	TrayT1:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-076	CIS P Pass Pixel Display	TrayT1:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-077	CIS P Pass Pixel Display	TrayT1:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-078	CIS P Pass Pixel Display	TrayT1:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-079	CIS P Pass Pixel Display	TrayT1:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-080	CIS P Pass Pixel Display	TrayT1:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-081	CIS P Pass Pixel Display	TrayT1:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-082	CIS P Pass Pixel Display	TrayT2:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-083	CIS P Pass Pixel Display	TrayT2:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-084	CIS P Pass Pixel Display	TrayT2:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-085	CIS P Pass Pixel Display	TrayT2:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-086	CIS P Pass Pixel Display	TrayT2:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-087	CIS P Pass Pixel Display	TrayT2:LShift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-088	CIS P Pass Pixel Display	TrayT2:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-089	CIS P Pass Pixel Display	TrayT2:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-090	CIS P Pass Pixel Display	TrayT2:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-091	CIS P Pass Pixel Display	TrayT3:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-092	CIS P Pass Pixel Display	TrayT3:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-093	CIS P Pass Pixel Display	TrayT3:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-094	CIS P Pass Pixel Display	TrayT3:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-095	CIS P Pass Pixel Display	TrayT3:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-096	CIS P Pass Pixel Display	TrayT3:LShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-097	CIS P Pass Pixel Display	TrayT3:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-098	CIS P Pass Pixel Display	TrayT3:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-099	CIS P Pass Pixel Display	TrayT3:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-914-100	CIS P Pass Pixel Display	TrayT4:LEdge1	ENG	[0 to 2854 / 0 / 1dot]
1-914-101	CIS P Pass Pixel Display	TrayT4:LEdge2	ENG	[0 to 2854 / 0 / 1dot]
1-914-102	CIS P Pass Pixel Display	TrayT4:LEdge3	ENG	[0 to 2854 / 0 / 1dot]
1-914-103	CIS P Pass Pixel Display	TrayT4:LShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-104	CIS P Pass Pixel Display	TrayT4:LShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-105	CIS P Pass Pixel Display	TrayT4:LShift3	ENG	[0 to 2854 / 0 / 1dot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-914-106	CIS P Pass Pixel Display	TrayT4:TShift1	ENG	[0 to 2854 / 0 / 1dot]
1-914-107	CIS P Pass Pixel Display	TrayT4:TShift2	ENG	[0 to 2854 / 0 / 1dot]
1-914-108	CIS P Pass Pixel Display	TrayT4:TShift3	ENG	[0 to 2854 / 0 / 1dot]
1-916-001	CIS LED Power Magnification	Variable Magnification mode1	ENG	[100 to 500 / 353 / 0.01]
1-916-002	CIS LED Power Magnification	Variable Magnification mode2	ENG	[100 to 500 / 353 / 0.01]
1-916-003	CIS LED Power Magnification	Variable Magnification mode3	ENG	[100 to 500 / 353 / 0.01]
1-917-001	Side-to-Side Reg Disable	Tray1	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-002	Side-to-Side Reg Disable	Tray2	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-003	Side-to-Side Reg Disable	Tray3	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-004	Side-to-Side Reg Disable	Dupx Tray	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-005	Side-to-Side Reg Disable	Tray4	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-006	Side-to-Side Reg Disable	Tray5	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-917-007	Side-to-Side Reg Disable	Tray6	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-008	Side-to-Side Reg Disable	Tray7	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-009	Side-to-Side Reg Disable	Tray T1	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-010	Side-to-Side Reg Disable	Tray T2	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-011	Side-to-Side Reg Disable	Tray T3	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-917-012	Side-to-Side Reg Disable	Tray T4	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-918-001	Subscan Reg Jam Detect	Tray1	ENG	[0 to 1 / 1 / 1-]
1-918-002	Subscan Reg Jam Detect	Tray2	ENG	[0 to 1 / 1 / 1-]
1-918-003	Subscan Reg Jam Detect	Tray3	ENG	[0 to 1 / 1 / 1-]
1-918-004	Subscan Reg Jam Detect	Dupx Tray	ENG	[0 to 1 / 1 / 1-]
1-918-005	Subscan Reg Jam Detect	Tray4	ENG	[0 to 1 / 1 / 1-]
1-918-006	Subscan Reg Jam Detect	Tray5	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-918-007	Subscan Reg Jam Detect	Tray6	ENG	[0 to 1 / 1 / 1-]
1-918-008	Subscan Reg Jam Detect	Tray7	ENG	[0 to 1 / 1 / 1-]
1-918-009	Subscan Reg Jam Detect	Tray T1	ENG	[0 to 1 / 1 / 1-]
1-918-010	Subscan Reg Jam Detect	Tray T2	ENG	[0 to 1 / 1 / 1-]
1-918-011	Subscan Reg Jam Detect	Tray T3	ENG	[0 to 1 / 1 / 1-]
1-918-012	Subscan Reg Jam Detect	Tray T4	ENG	[0 to 1 / 1 / 1-]
1-919-001	Jam Detection Setting	0: Off 1: On	ENG	[0 to 1 / 0 / 1-]
1-920-001	LCT Tray Fan Duty Adjustment	A3LCT Tray4	ENG	[10 to 100 / 70 / 10%]
1-920-002	LCT Tray Fan Duty Adjustment	A3LCT Tray5	ENG	[10 to 100 / 70 / 10%]
1-920-003	LCT Tray Fan Duty Adjustment	A3LCT Tray6	ENG	[10 to 100 / 70 / 10%]
1-921-001	LCT Fan Start Time Setting	A3LCT Tray4	ENG	[1 to 10 / 3 / 1sec]
1-921-002	LCT Fan Start Time Setting	A3LCT Tray5	ENG	[1 to 10 / 3 / 1sec]
1-921-003	LCT Fan Start Time Setting	A3LCT Tray6	ENG	[1 to 10 / 3 / 1sec]
1-922-001	LCT Tray Fan ON/OFF	A3LCT Tray4	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-922-002	LCT Tray Fan ON/OFF	A3LCT Tray5	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-922-003	LCT Tray Fan ON/OFF	A3LCT Tray6	ENG	[0 to 2 / 0 / 1-] 0: Auto Select

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Force ON 2: Force OFF
1-923-001	LCT Pickup Assist ON/OFF	A3LCT Tray4	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-002	LCT Pickup Assist ON/OFF	A3LCT Tray5	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-003	LCT Pickup Assist ON/OFF	A3LCT Tray6	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-004	LCT Pickup Assist ON/OFF	A4LCT Tray4	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-005	LCT Pickup Assist ON/OFF	A4LCT Tray5	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-006	LCT Pickup Assist ON/OFF	A4LCT Tray6	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-923-007	LCT Pickup Assist ON/OFF	Bypass	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: Force ON 2: Force OFF
1-924-001	Pre Feed Stop Time Adjust	A3LCT Tray4	ENG	[0 to 1000 / 0 / 5msec]
1-924-002	Pre Feed Stop Time Adjust	A3LCT Tray5	ENG	[0 to 1000 / 0 / 5msec]
1-924-003	Pre Feed Stop Time Adjust	A3LCT Tray6	ENG	[0 to 1000 / 0 / 5msec]
1-924-	Pre Feed Stop Time	A4LCT Tray4	ENG	[0 to 1000 / 0 / 5msec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Adjust			
1-924-005	Pre Feed Stop Time Adjust	A4LCT Tray5	ENG	[0 to 1000 / 0 / 5msec]
1-924-006	Pre Feed Stop Time Adjust	A4LCT Tray6	ENG	[0 to 1000 / 0 / 5msec]
1-924-007	Pre Feed Stop Time Adjust	Bypass	ENG	[0 to 1000 / 0 / 5msec]
1-927-001	Decurl Default: Lower Path		ENG	[-30 to 30 / 0 / 0.1mm]
1-928-001	Decurl Default: Upper Path		ENG	[-30 to 30 / 0 / 0.1mm]
1-929-001	Decurl Line Speed Adj:Default		ENG	[-25 to 125 / 20 / 0.5%]
1-930-001	Decurl Line Speed Adj:Pos.1		ENG	[-25 to 125 / 50 / 0.5%]
1-931-001	Decurl Line Speed Adj:Pos.2		ENG	[-25 to 125 / 55 / 0.5%]
1-932-001	Float Fan Setting	Twin LCT1 Tray1	ENG	[0 to 10 / 0 / 1-]
1-932-002	Float Fan Setting	Twin LCT1 Tray2	ENG	[0 to 10 / 0 / 1-]
1-932-003	Float Fan Setting	Twin LCT2 Tray1	ENG	[0 to 10 / 0 / 1-]
1-932-004	Float Fan Setting	Twin LCT2 Tray2	ENG	[0 to 10 / 0 / 1-]
1-933-001	Separate Fan Setting	Twin LCT1 Tray1	ENG	[0 to 10 / 0 / 1-]
1-933-002	Separate Fan Setting	Twin LCT1 Tray2	ENG	[0 to 10 / 0 / 1-]
1-933-003	Separate Fan Setting	Twin LCT2 Tray1	ENG	[0 to 10 / 0 / 1-]
1-933-004	Separate Fan Setting	Twin LCT2 Tray2	ENG	[0 to 10 / 0 / 1-]
1-934-001	Side Fan Setting	Twin LCT1 Tray1	ENG	[0 to 10 / 0 / 1-]
1-934-	Side Fan Setting	Twin LCT1 Tray2	ENG	[0 to 10 / 0 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
1-934-003	Side Fan Setting	Twin LCT2 Tray1	ENG	[0 to 10 / 0 / 1-]
1-934-004	Side Fan Setting	Twin LCT2 Tray2	ENG	[0 to 10 / 0 / 1-]
1-935-001	Suction Fan Setting	Twin LCT1 Tray1	ENG	[0 to 10 / 0 / 1-]
1-935-002	Suction Fan Setting	Twin LCT1 Tray2	ENG	[0 to 10 / 0 / 1-]
1-935-003	Suction Fan Setting	Twin LCT2 Tray1	ENG	[0 to 10 / 0 / 1-]
1-935-004	Suction Fan Setting	Twin LCT2 Tray2	ENG	[0 to 10 / 0 / 1-]
1-936-001	Float Fan Shutter Setting	Twin LCT1 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-936-002	Float Fan Shutter Setting	Twin LCT1 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-936-003	Float Fan Shutter Setting	Twin LCT2 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-936-004	Float Fan Shutter Setting	Twin LCT2 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-937-001	Side Fan Shutter Setting	Twin LCT1 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-937-002	Side Fan Shutter Setting	Twin LCT1 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: ON
1-937-003	Side Fan Shutter Setting	Twin LCT2 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-937-004	Side Fan Shutter Setting	Twin LCT2 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: OFF 2: ON
1-938-001	Paper Stack Height Setting	Twin LCT1 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: HIGH 2 LOW
1-938-002	Paper Stack Height Setting	Twin LCT1 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: HIGH 2 LOW
1-938-003	Paper Stack Height Setting	Twin LCT2 Tray1	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: HIGH 2 LOW
1-938-004	Paper Stack Height Setting	Twin LCT2 Tray2	ENG	[0 to 2 / 0 / 1-] 0: Auto Select 1: HIGH 2 LOW
1-939-001	Float Fan Setting	Custom Paper 001	ENG	[0 to 100 / 40 / 10%]
1-939-002	Float Fan Setting	Custom Paper 002	ENG	[0 to 100 / 40 / 10%]
1-939-003	Float Fan Setting	Custom Paper 003	ENG	[0 to 100 / 40 / 10%]
1-939-004	Float Fan Setting	Custom Paper 004	ENG	[0 to 100 / 40 / 10%]
1-939-005	Float Fan Setting	Custom Paper 005	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 006	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				
1-939-007	Float Fan Setting	Custom Paper 007	ENG	[0 to 100 / 40 / 10%]
1-939-008	Float Fan Setting	Custom Paper 008	ENG	[0 to 100 / 40 / 10%]
1-939-009	Float Fan Setting	Custom Paper 009	ENG	[0 to 100 / 40 / 10%]
1-939-010	Float Fan Setting	Custom Paper 010	ENG	[0 to 100 / 40 / 10%]
1-939-011	Float Fan Setting	Custom Paper 011	ENG	[0 to 100 / 40 / 10%]
1-939-012	Float Fan Setting	Custom Paper 012	ENG	[0 to 100 / 40 / 10%]
1-939-013	Float Fan Setting	Custom Paper 013	ENG	[0 to 100 / 40 / 10%]
1-939-014	Float Fan Setting	Custom Paper 014	ENG	[0 to 100 / 40 / 10%]
1-939-015	Float Fan Setting	Custom Paper 015	ENG	[0 to 100 / 40 / 10%]
1-939-016	Float Fan Setting	Custom Paper 016	ENG	[0 to 100 / 40 / 10%]
1-939-017	Float Fan Setting	Custom Paper 017	ENG	[0 to 100 / 40 / 10%]
1-939-018	Float Fan Setting	Custom Paper 018	ENG	[0 to 100 / 40 / 10%]
1-939-019	Float Fan Setting	Custom Paper 019	ENG	[0 to 100 / 40 / 10%]
1-939-020	Float Fan Setting	Custom Paper 020	ENG	[0 to 100 / 40 / 10%]
1-939-021	Float Fan Setting	Custom Paper 021	ENG	[0 to 100 / 40 / 10%]
1-939-022	Float Fan Setting	Custom Paper 022	ENG	[0 to 100 / 40 / 10%]
1-939-023	Float Fan Setting	Custom Paper 023	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 024	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				
1-939-025	Float Fan Setting	Custom Paper 025	ENG	[0 to 100 / 40 / 10%]
1-939-026	Float Fan Setting	Custom Paper 026	ENG	[0 to 100 / 40 / 10%]
1-939-027	Float Fan Setting	Custom Paper 027	ENG	[0 to 100 / 40 / 10%]
1-939-028	Float Fan Setting	Custom Paper 028	ENG	[0 to 100 / 40 / 10%]
1-939-029	Float Fan Setting	Custom Paper 029	ENG	[0 to 100 / 40 / 10%]
1-939-030	Float Fan Setting	Custom Paper 030	ENG	[0 to 100 / 40 / 10%]
1-939-031	Float Fan Setting	Custom Paper 031	ENG	[0 to 100 / 40 / 10%]
1-939-032	Float Fan Setting	Custom Paper 032	ENG	[0 to 100 / 40 / 10%]
1-939-033	Float Fan Setting	Custom Paper 033	ENG	[0 to 100 / 40 / 10%]
1-939-034	Float Fan Setting	Custom Paper 034	ENG	[0 to 100 / 40 / 10%]
1-939-035	Float Fan Setting	Custom Paper 035	ENG	[0 to 100 / 40 / 10%]
1-939-036	Float Fan Setting	Custom Paper 036	ENG	[0 to 100 / 40 / 10%]
1-939-037	Float Fan Setting	Custom Paper 037	ENG	[0 to 100 / 40 / 10%]
1-939-038	Float Fan Setting	Custom Paper 038	ENG	[0 to 100 / 40 / 10%]
1-939-039	Float Fan Setting	Custom Paper 039	ENG	[0 to 100 / 40 / 10%]
1-939-040	Float Fan Setting	Custom Paper 040	ENG	[0 to 100 / 40 / 10%]
1-939-041	Float Fan Setting	Custom Paper 041	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 042	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042				
1-939-043	Float Fan Setting	Custom Paper 043	ENG	[0 to 100 / 40 / 10%]
1-939-044	Float Fan Setting	Custom Paper 044	ENG	[0 to 100 / 40 / 10%]
1-939-045	Float Fan Setting	Custom Paper 045	ENG	[0 to 100 / 40 / 10%]
1-939-046	Float Fan Setting	Custom Paper 046	ENG	[0 to 100 / 40 / 10%]
1-939-047	Float Fan Setting	Custom Paper 047	ENG	[0 to 100 / 40 / 10%]
1-939-048	Float Fan Setting	Custom Paper 048	ENG	[0 to 100 / 40 / 10%]
1-939-049	Float Fan Setting	Custom Paper 049	ENG	[0 to 100 / 40 / 10%]
1-939-050	Float Fan Setting	Custom Paper 050	ENG	[0 to 100 / 40 / 10%]
1-939-051	Float Fan Setting	Custom Paper 051	ENG	[0 to 100 / 40 / 10%]
1-939-052	Float Fan Setting	Custom Paper 052	ENG	[0 to 100 / 40 / 10%]
1-939-053	Float Fan Setting	Custom Paper 053	ENG	[0 to 100 / 40 / 10%]
1-939-054	Float Fan Setting	Custom Paper 054	ENG	[0 to 100 / 40 / 10%]
1-939-055	Float Fan Setting	Custom Paper 055	ENG	[0 to 100 / 40 / 10%]
1-939-056	Float Fan Setting	Custom Paper 056	ENG	[0 to 100 / 40 / 10%]
1-939-057	Float Fan Setting	Custom Paper 057	ENG	[0 to 100 / 40 / 10%]
1-939-058	Float Fan Setting	Custom Paper 058	ENG	[0 to 100 / 40 / 10%]
1-939-059	Float Fan Setting	Custom Paper 059	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 060	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060				
1-939-061	Float Fan Setting	Custom Paper 061	ENG	[0 to 100 / 40 / 10%]
1-939-062	Float Fan Setting	Custom Paper 062	ENG	[0 to 100 / 40 / 10%]
1-939-063	Float Fan Setting	Custom Paper 063	ENG	[0 to 100 / 40 / 10%]
1-939-064	Float Fan Setting	Custom Paper 064	ENG	[0 to 100 / 40 / 10%]
1-939-065	Float Fan Setting	Custom Paper 065	ENG	[0 to 100 / 40 / 10%]
1-939-066	Float Fan Setting	Custom Paper 066	ENG	[0 to 100 / 40 / 10%]
1-939-067	Float Fan Setting	Custom Paper 067	ENG	[0 to 100 / 40 / 10%]
1-939-068	Float Fan Setting	Custom Paper 068	ENG	[0 to 100 / 40 / 10%]
1-939-069	Float Fan Setting	Custom Paper 069	ENG	[0 to 100 / 40 / 10%]
1-939-070	Float Fan Setting	Custom Paper 070	ENG	[0 to 100 / 40 / 10%]
1-939-071	Float Fan Setting	Custom Paper 071	ENG	[0 to 100 / 40 / 10%]
1-939-072	Float Fan Setting	Custom Paper 072	ENG	[0 to 100 / 40 / 10%]
1-939-073	Float Fan Setting	Custom Paper 073	ENG	[0 to 100 / 40 / 10%]
1-939-074	Float Fan Setting	Custom Paper 074	ENG	[0 to 100 / 40 / 10%]
1-939-075	Float Fan Setting	Custom Paper 075	ENG	[0 to 100 / 40 / 10%]
1-939-076	Float Fan Setting	Custom Paper 076	ENG	[0 to 100 / 40 / 10%]
1-939-077	Float Fan Setting	Custom Paper 077	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 078	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078				
1-939-079	Float Fan Setting	Custom Paper 079	ENG	[0 to 100 / 40 / 10%]
1-939-080	Float Fan Setting	Custom Paper 080	ENG	[0 to 100 / 40 / 10%]
1-939-081	Float Fan Setting	Custom Paper 081	ENG	[0 to 100 / 40 / 10%]
1-939-082	Float Fan Setting	Custom Paper 082	ENG	[0 to 100 / 40 / 10%]
1-939-083	Float Fan Setting	Custom Paper 083	ENG	[0 to 100 / 40 / 10%]
1-939-084	Float Fan Setting	Custom Paper 084	ENG	[0 to 100 / 40 / 10%]
1-939-085	Float Fan Setting	Custom Paper 085	ENG	[0 to 100 / 40 / 10%]
1-939-086	Float Fan Setting	Custom Paper 086	ENG	[0 to 100 / 40 / 10%]
1-939-087	Float Fan Setting	Custom Paper 087	ENG	[0 to 100 / 40 / 10%]
1-939-088	Float Fan Setting	Custom Paper 088	ENG	[0 to 100 / 40 / 10%]
1-939-089	Float Fan Setting	Custom Paper 089	ENG	[0 to 100 / 40 / 10%]
1-939-090	Float Fan Setting	Custom Paper 090	ENG	[0 to 100 / 40 / 10%]
1-939-091	Float Fan Setting	Custom Paper 091	ENG	[0 to 100 / 40 / 10%]
1-939-092	Float Fan Setting	Custom Paper 092	ENG	[0 to 100 / 40 / 10%]
1-939-093	Float Fan Setting	Custom Paper 093	ENG	[0 to 100 / 40 / 10%]
1-939-094	Float Fan Setting	Custom Paper 094	ENG	[0 to 100 / 40 / 10%]
1-939-095	Float Fan Setting	Custom Paper 095	ENG	[0 to 100 / 40 / 10%]
1-939-	Float Fan Setting	Custom Paper 096	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096				
1-939-097	Float Fan Setting	Custom Paper 097	ENG	[0 to 100 / 40 / 10%]
1-939-098	Float Fan Setting	Custom Paper 098	ENG	[0 to 100 / 40 / 10%]
1-939-099	Float Fan Setting	Custom Paper 099	ENG	[0 to 100 / 40 / 10%]
1-939-100	Float Fan Setting	Custom Paper 100	ENG	[0 to 100 / 40 / 10%]
1-940-001	Separate Fan Setting	Custom Paper 001	ENG	[0 to 100 / 70 / 10%]
1-940-002	Separate Fan Setting	Custom Paper 002	ENG	[0 to 100 / 70 / 10%]
1-940-003	Separate Fan Setting	Custom Paper 003	ENG	[0 to 100 / 70 / 10%]
1-940-004	Separate Fan Setting	Custom Paper 004	ENG	[0 to 100 / 70 / 10%]
1-940-005	Separate Fan Setting	Custom Paper 005	ENG	[0 to 100 / 70 / 10%]
1-940-006	Separate Fan Setting	Custom Paper 006	ENG	[0 to 100 / 70 / 10%]
1-940-007	Separate Fan Setting	Custom Paper 007	ENG	[0 to 100 / 70 / 10%]
1-940-008	Separate Fan Setting	Custom Paper 008	ENG	[0 to 100 / 70 / 10%]
1-940-009	Separate Fan Setting	Custom Paper 009	ENG	[0 to 100 / 70 / 10%]
1-940-010	Separate Fan Setting	Custom Paper 010	ENG	[0 to 100 / 70 / 10%]
1-940-011	Separate Fan Setting	Custom Paper 011	ENG	[0 to 100 / 70 / 10%]
1-940-012	Separate Fan Setting	Custom Paper 012	ENG	[0 to 100 / 70 / 10%]
1-940-013	Separate Fan Setting	Custom Paper 013	ENG	[0 to 100 / 70 / 10%]
1-940-	Separate Fan Setting	Custom Paper 014	ENG	[0 to 100 / 70 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
1-940-015	Separate Fan Setting	Custom Paper 015	ENG	[0 to 100 / 70 / 10%]
1-940-016	Separate Fan Setting	Custom Paper 016	ENG	[0 to 100 / 70 / 10%]
1-940-017	Separate Fan Setting	Custom Paper 017	ENG	[0 to 100 / 70 / 10%]
1-940-018	Separate Fan Setting	Custom Paper 018	ENG	[0 to 100 / 70 / 10%]
1-940-019	Separate Fan Setting	Custom Paper 019	ENG	[0 to 100 / 70 / 10%]
1-940-020	Separate Fan Setting	Custom Paper 020	ENG	[0 to 100 / 70 / 10%]
1-940-021	Separate Fan Setting	Custom Paper 021	ENG	[0 to 100 / 70 / 10%]
1-940-022	Separate Fan Setting	Custom Paper 022	ENG	[0 to 100 / 70 / 10%]
1-940-023	Separate Fan Setting	Custom Paper 023	ENG	[0 to 100 / 70 / 10%]
1-940-024	Separate Fan Setting	Custom Paper 024	ENG	[0 to 100 / 70 / 10%]
1-940-025	Separate Fan Setting	Custom Paper 025	ENG	[0 to 100 / 70 / 10%]
1-940-026	Separate Fan Setting	Custom Paper 026	ENG	[0 to 100 / 70 / 10%]
1-940-027	Separate Fan Setting	Custom Paper 027	ENG	[0 to 100 / 70 / 10%]
1-940-028	Separate Fan Setting	Custom Paper 028	ENG	[0 to 100 / 70 / 10%]
1-940-029	Separate Fan Setting	Custom Paper 029	ENG	[0 to 100 / 70 / 10%]
1-940-030	Separate Fan Setting	Custom Paper 030	ENG	[0 to 100 / 70 / 10%]
1-940-031	Separate Fan Setting	Custom Paper 031	ENG	[0 to 100 / 70 / 10%]
1-940-	Separate Fan Setting	Custom Paper 032	ENG	[0 to 100 / 70 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
1-940-033	Separate Fan Setting	Custom Paper 033	ENG	[0 to 100 / 70 / 10%]
1-940-034	Separate Fan Setting	Custom Paper 034	ENG	[0 to 100 / 70 / 10%]
1-940-035	Separate Fan Setting	Custom Paper 035	ENG	[0 to 100 / 70 / 10%]
1-940-036	Separate Fan Setting	Custom Paper 036	ENG	[0 to 100 / 70 / 10%]
1-940-037	Separate Fan Setting	Custom Paper 037	ENG	[0 to 100 / 70 / 10%]
1-940-038	Separate Fan Setting	Custom Paper 038	ENG	[0 to 100 / 70 / 10%]
1-940-039	Separate Fan Setting	Custom Paper 039	ENG	[0 to 100 / 70 / 10%]
1-940-040	Separate Fan Setting	Custom Paper 040	ENG	[0 to 100 / 70 / 10%]
1-940-041	Separate Fan Setting	Custom Paper 041	ENG	[0 to 100 / 70 / 10%]
1-940-042	Separate Fan Setting	Custom Paper 042	ENG	[0 to 100 / 70 / 10%]
1-940-043	Separate Fan Setting	Custom Paper 043	ENG	[0 to 100 / 70 / 10%]
1-940-044	Separate Fan Setting	Custom Paper 044	ENG	[0 to 100 / 70 / 10%]
1-940-045	Separate Fan Setting	Custom Paper 045	ENG	[0 to 100 / 70 / 10%]
1-940-046	Separate Fan Setting	Custom Paper 046	ENG	[0 to 100 / 70 / 10%]
1-940-047	Separate Fan Setting	Custom Paper 047	ENG	[0 to 100 / 70 / 10%]
1-940-048	Separate Fan Setting	Custom Paper 048	ENG	[0 to 100 / 70 / 10%]
1-940-049	Separate Fan Setting	Custom Paper 049	ENG	[0 to 100 / 70 / 10%]
1-940-	Separate Fan Setting	Custom Paper 050	ENG	[0 to 100 / 70 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				
1-940-051	Separate Fan Setting	Custom Paper 051	ENG	[0 to 100 / 70 / 10%]
1-940-052	Separate Fan Setting	Custom Paper 052	ENG	[0 to 100 / 70 / 10%]
1-940-053	Separate Fan Setting	Custom Paper 053	ENG	[0 to 100 / 70 / 10%]
1-940-054	Separate Fan Setting	Custom Paper 054	ENG	[0 to 100 / 70 / 10%]
1-940-055	Separate Fan Setting	Custom Paper 055	ENG	[0 to 100 / 70 / 10%]
1-940-056	Separate Fan Setting	Custom Paper 056	ENG	[0 to 100 / 70 / 10%]
1-940-057	Separate Fan Setting	Custom Paper 057	ENG	[0 to 100 / 70 / 10%]
1-940-058	Separate Fan Setting	Custom Paper 058	ENG	[0 to 100 / 70 / 10%]
1-940-059	Separate Fan Setting	Custom Paper 059	ENG	[0 to 100 / 70 / 10%]
1-940-060	Separate Fan Setting	Custom Paper 060	ENG	[0 to 100 / 70 / 10%]
1-940-061	Separate Fan Setting	Custom Paper 061	ENG	[0 to 100 / 70 / 10%]
1-940-062	Separate Fan Setting	Custom Paper 062	ENG	[0 to 100 / 70 / 10%]
1-940-063	Separate Fan Setting	Custom Paper 063	ENG	[0 to 100 / 70 / 10%]
1-940-064	Separate Fan Setting	Custom Paper 064	ENG	[0 to 100 / 70 / 10%]
1-940-065	Separate Fan Setting	Custom Paper 065	ENG	[0 to 100 / 70 / 10%]
1-940-066	Separate Fan Setting	Custom Paper 066	ENG	[0 to 100 / 70 / 10%]
1-940-067	Separate Fan Setting	Custom Paper 067	ENG	[0 to 100 / 70 / 10%]
1-940-	Separate Fan Setting	Custom Paper 068	ENG	[0 to 100 / 70 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068				
1-940-069	Separate Fan Setting	Custom Paper 069	ENG	[0 to 100 / 70 / 10%]
1-940-070	Separate Fan Setting	Custom Paper 070	ENG	[0 to 100 / 70 / 10%]
1-940-071	Separate Fan Setting	Custom Paper 071	ENG	[0 to 100 / 70 / 10%]
1-940-072	Separate Fan Setting	Custom Paper 072	ENG	[0 to 100 / 70 / 10%]
1-940-073	Separate Fan Setting	Custom Paper 073	ENG	[0 to 100 / 70 / 10%]
1-940-074	Separate Fan Setting	Custom Paper 074	ENG	[0 to 100 / 70 / 10%]
1-940-075	Separate Fan Setting	Custom Paper 075	ENG	[0 to 100 / 70 / 10%]
1-940-076	Separate Fan Setting	Custom Paper 076	ENG	[0 to 100 / 70 / 10%]
1-940-077	Separate Fan Setting	Custom Paper 077	ENG	[0 to 100 / 70 / 10%]
1-940-078	Separate Fan Setting	Custom Paper 078	ENG	[0 to 100 / 70 / 10%]
1-940-079	Separate Fan Setting	Custom Paper 079	ENG	[0 to 100 / 70 / 10%]
1-940-080	Separate Fan Setting	Custom Paper 080	ENG	[0 to 100 / 70 / 10%]
1-940-081	Separate Fan Setting	Custom Paper 081	ENG	[0 to 100 / 70 / 10%]
1-940-082	Separate Fan Setting	Custom Paper 082	ENG	[0 to 100 / 70 / 10%]
1-940-083	Separate Fan Setting	Custom Paper 083	ENG	[0 to 100 / 70 / 10%]
1-940-084	Separate Fan Setting	Custom Paper 084	ENG	[0 to 100 / 70 / 10%]
1-940-085	Separate Fan Setting	Custom Paper 085	ENG	[0 to 100 / 70 / 10%]
1-940-	Separate Fan Setting	Custom Paper 086	ENG	[0 to 100 / 70 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086				
1-940-087	Separate Fan Setting	Custom Paper 087	ENG	[0 to 100 / 70 / 10%]
1-940-088	Separate Fan Setting	Custom Paper 088	ENG	[0 to 100 / 70 / 10%]
1-940-089	Separate Fan Setting	Custom Paper 089	ENG	[0 to 100 / 70 / 10%]
1-940-090	Separate Fan Setting	Custom Paper 090	ENG	[0 to 100 / 70 / 10%]
1-940-091	Separate Fan Setting	Custom Paper 091	ENG	[0 to 100 / 70 / 10%]
1-940-092	Separate Fan Setting	Custom Paper 092	ENG	[0 to 100 / 70 / 10%]
1-940-093	Separate Fan Setting	Custom Paper 093	ENG	[0 to 100 / 70 / 10%]
1-940-094	Separate Fan Setting	Custom Paper 094	ENG	[0 to 100 / 70 / 10%]
1-940-095	Separate Fan Setting	Custom Paper 095	ENG	[0 to 100 / 70 / 10%]
1-940-096	Separate Fan Setting	Custom Paper 096	ENG	[0 to 100 / 70 / 10%]
1-940-097	Separate Fan Setting	Custom Paper 097	ENG	[0 to 100 / 70 / 10%]
1-940-098	Separate Fan Setting	Custom Paper 098	ENG	[0 to 100 / 70 / 10%]
1-940-099	Separate Fan Setting	Custom Paper 099	ENG	[0 to 100 / 70 / 10%]
1-940-100	Separate Fan Setting	Custom Paper 100	ENG	[0 to 100 / 70 / 10%]
1-941-001	Side Fan Setting	Custom Paper 001	ENG	[0 to 100 / 40 / 10%]
1-941-002	Side Fan Setting	Custom Paper 002	ENG	[0 to 100 / 40 / 10%]
1-941-003	Side Fan Setting	Custom Paper 003	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 004	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
1-941-005	Side Fan Setting	Custom Paper 005	ENG	[0 to 100 / 40 / 10%]
1-941-006	Side Fan Setting	Custom Paper 006	ENG	[0 to 100 / 40 / 10%]
1-941-007	Side Fan Setting	Custom Paper 007	ENG	[0 to 100 / 40 / 10%]
1-941-008	Side Fan Setting	Custom Paper 008	ENG	[0 to 100 / 40 / 10%]
1-941-009	Side Fan Setting	Custom Paper 009	ENG	[0 to 100 / 40 / 10%]
1-941-010	Side Fan Setting	Custom Paper 010	ENG	[0 to 100 / 40 / 10%]
1-941-011	Side Fan Setting	Custom Paper 011	ENG	[0 to 100 / 40 / 10%]
1-941-012	Side Fan Setting	Custom Paper 012	ENG	[0 to 100 / 40 / 10%]
1-941-013	Side Fan Setting	Custom Paper 013	ENG	[0 to 100 / 40 / 10%]
1-941-014	Side Fan Setting	Custom Paper 014	ENG	[0 to 100 / 40 / 10%]
1-941-015	Side Fan Setting	Custom Paper 015	ENG	[0 to 100 / 40 / 10%]
1-941-016	Side Fan Setting	Custom Paper 016	ENG	[0 to 100 / 40 / 10%]
1-941-017	Side Fan Setting	Custom Paper 017	ENG	[0 to 100 / 40 / 10%]
1-941-018	Side Fan Setting	Custom Paper 018	ENG	[0 to 100 / 40 / 10%]
1-941-019	Side Fan Setting	Custom Paper 019	ENG	[0 to 100 / 40 / 10%]
1-941-020	Side Fan Setting	Custom Paper 020	ENG	[0 to 100 / 40 / 10%]
1-941-021	Side Fan Setting	Custom Paper 021	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 022	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
1-941-023	Side Fan Setting	Custom Paper 023	ENG	[0 to 100 / 40 / 10%]
1-941-024	Side Fan Setting	Custom Paper 024	ENG	[0 to 100 / 40 / 10%]
1-941-025	Side Fan Setting	Custom Paper 025	ENG	[0 to 100 / 40 / 10%]
1-941-026	Side Fan Setting	Custom Paper 026	ENG	[0 to 100 / 40 / 10%]
1-941-027	Side Fan Setting	Custom Paper 027	ENG	[0 to 100 / 40 / 10%]
1-941-028	Side Fan Setting	Custom Paper 028	ENG	[0 to 100 / 40 / 10%]
1-941-029	Side Fan Setting	Custom Paper 029	ENG	[0 to 100 / 40 / 10%]
1-941-030	Side Fan Setting	Custom Paper 030	ENG	[0 to 100 / 40 / 10%]
1-941-031	Side Fan Setting	Custom Paper 031	ENG	[0 to 100 / 40 / 10%]
1-941-032	Side Fan Setting	Custom Paper 032	ENG	[0 to 100 / 40 / 10%]
1-941-033	Side Fan Setting	Custom Paper 033	ENG	[0 to 100 / 40 / 10%]
1-941-034	Side Fan Setting	Custom Paper 034	ENG	[0 to 100 / 40 / 10%]
1-941-035	Side Fan Setting	Custom Paper 035	ENG	[0 to 100 / 40 / 10%]
1-941-036	Side Fan Setting	Custom Paper 036	ENG	[0 to 100 / 40 / 10%]
1-941-037	Side Fan Setting	Custom Paper 037	ENG	[0 to 100 / 40 / 10%]
1-941-038	Side Fan Setting	Custom Paper 038	ENG	[0 to 100 / 40 / 10%]
1-941-039	Side Fan Setting	Custom Paper 039	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 040	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				
1-941-041	Side Fan Setting	Custom Paper 041	ENG	[0 to 100 / 40 / 10%]
1-941-042	Side Fan Setting	Custom Paper 042	ENG	[0 to 100 / 40 / 10%]
1-941-043	Side Fan Setting	Custom Paper 043	ENG	[0 to 100 / 40 / 10%]
1-941-044	Side Fan Setting	Custom Paper 044	ENG	[0 to 100 / 40 / 10%]
1-941-045	Side Fan Setting	Custom Paper 045	ENG	[0 to 100 / 40 / 10%]
1-941-046	Side Fan Setting	Custom Paper 046	ENG	[0 to 100 / 40 / 10%]
1-941-047	Side Fan Setting	Custom Paper 047	ENG	[0 to 100 / 40 / 10%]
1-941-048	Side Fan Setting	Custom Paper 048	ENG	[0 to 100 / 40 / 10%]
1-941-049	Side Fan Setting	Custom Paper 049	ENG	[0 to 100 / 40 / 10%]
1-941-050	Side Fan Setting	Custom Paper 050	ENG	[0 to 100 / 40 / 10%]
1-941-051	Side Fan Setting	Custom Paper 051	ENG	[0 to 100 / 40 / 10%]
1-941-052	Side Fan Setting	Custom Paper 052	ENG	[0 to 100 / 40 / 10%]
1-941-053	Side Fan Setting	Custom Paper 053	ENG	[0 to 100 / 40 / 10%]
1-941-054	Side Fan Setting	Custom Paper 054	ENG	[0 to 100 / 40 / 10%]
1-941-055	Side Fan Setting	Custom Paper 055	ENG	[0 to 100 / 40 / 10%]
1-941-056	Side Fan Setting	Custom Paper 056	ENG	[0 to 100 / 40 / 10%]
1-941-057	Side Fan Setting	Custom Paper 057	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 058	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058				
1-941-059	Side Fan Setting	Custom Paper 059	ENG	[0 to 100 / 40 / 10%]
1-941-060	Side Fan Setting	Custom Paper 060	ENG	[0 to 100 / 40 / 10%]
1-941-061	Side Fan Setting	Custom Paper 061	ENG	[0 to 100 / 40 / 10%]
1-941-062	Side Fan Setting	Custom Paper 062	ENG	[0 to 100 / 40 / 10%]
1-941-063	Side Fan Setting	Custom Paper 063	ENG	[0 to 100 / 40 / 10%]
1-941-064	Side Fan Setting	Custom Paper 064	ENG	[0 to 100 / 40 / 10%]
1-941-065	Side Fan Setting	Custom Paper 065	ENG	[0 to 100 / 40 / 10%]
1-941-066	Side Fan Setting	Custom Paper 066	ENG	[0 to 100 / 40 / 10%]
1-941-067	Side Fan Setting	Custom Paper 067	ENG	[0 to 100 / 40 / 10%]
1-941-068	Side Fan Setting	Custom Paper 068	ENG	[0 to 100 / 40 / 10%]
1-941-069	Side Fan Setting	Custom Paper 069	ENG	[0 to 100 / 40 / 10%]
1-941-070	Side Fan Setting	Custom Paper 070	ENG	[0 to 100 / 40 / 10%]
1-941-071	Side Fan Setting	Custom Paper 071	ENG	[0 to 100 / 40 / 10%]
1-941-072	Side Fan Setting	Custom Paper 072	ENG	[0 to 100 / 40 / 10%]
1-941-073	Side Fan Setting	Custom Paper 073	ENG	[0 to 100 / 40 / 10%]
1-941-074	Side Fan Setting	Custom Paper 074	ENG	[0 to 100 / 40 / 10%]
1-941-075	Side Fan Setting	Custom Paper 075	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 076	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076				
1-941-077	Side Fan Setting	Custom Paper 077	ENG	[0 to 100 / 40 / 10%]
1-941-078	Side Fan Setting	Custom Paper 078	ENG	[0 to 100 / 40 / 10%]
1-941-079	Side Fan Setting	Custom Paper 079	ENG	[0 to 100 / 40 / 10%]
1-941-080	Side Fan Setting	Custom Paper 080	ENG	[0 to 100 / 40 / 10%]
1-941-081	Side Fan Setting	Custom Paper 081	ENG	[0 to 100 / 40 / 10%]
1-941-082	Side Fan Setting	Custom Paper 082	ENG	[0 to 100 / 40 / 10%]
1-941-083	Side Fan Setting	Custom Paper 083	ENG	[0 to 100 / 40 / 10%]
1-941-084	Side Fan Setting	Custom Paper 084	ENG	[0 to 100 / 40 / 10%]
1-941-085	Side Fan Setting	Custom Paper 085	ENG	[0 to 100 / 40 / 10%]
1-941-086	Side Fan Setting	Custom Paper 086	ENG	[0 to 100 / 40 / 10%]
1-941-087	Side Fan Setting	Custom Paper 087	ENG	[0 to 100 / 40 / 10%]
1-941-088	Side Fan Setting	Custom Paper 088	ENG	[0 to 100 / 40 / 10%]
1-941-089	Side Fan Setting	Custom Paper 089	ENG	[0 to 100 / 40 / 10%]
1-941-090	Side Fan Setting	Custom Paper 090	ENG	[0 to 100 / 40 / 10%]
1-941-091	Side Fan Setting	Custom Paper 091	ENG	[0 to 100 / 40 / 10%]
1-941-092	Side Fan Setting	Custom Paper 092	ENG	[0 to 100 / 40 / 10%]
1-941-093	Side Fan Setting	Custom Paper 093	ENG	[0 to 100 / 40 / 10%]
1-941-	Side Fan Setting	Custom Paper 094	ENG	[0 to 100 / 40 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
094				
1-941-095	Side Fan Setting	Custom Paper 095	ENG	[0 to 100 / 40 / 10%]
1-941-096	Side Fan Setting	Custom Paper 096	ENG	[0 to 100 / 40 / 10%]
1-941-097	Side Fan Setting	Custom Paper 097	ENG	[0 to 100 / 40 / 10%]
1-941-098	Side Fan Setting	Custom Paper 098	ENG	[0 to 100 / 40 / 10%]
1-941-099	Side Fan Setting	Custom Paper 099	ENG	[0 to 100 / 40 / 10%]
1-941-100	Side Fan Setting	Custom Paper 100	ENG	[0 to 100 / 40 / 10%]
1-942-001	Suction Fan Setting	Custom Paper 001	ENG	[0 to 100 / 80 / 10%]
1-942-002	Suction Fan Setting	Custom Paper 002	ENG	[0 to 100 / 80 / 10%]
1-942-003	Suction Fan Setting	Custom Paper 003	ENG	[0 to 100 / 80 / 10%]
1-942-004	Suction Fan Setting	Custom Paper 004	ENG	[0 to 100 / 80 / 10%]
1-942-005	Suction Fan Setting	Custom Paper 005	ENG	[0 to 100 / 80 / 10%]
1-942-006	Suction Fan Setting	Custom Paper 006	ENG	[0 to 100 / 80 / 10%]
1-942-007	Suction Fan Setting	Custom Paper 007	ENG	[0 to 100 / 80 / 10%]
1-942-008	Suction Fan Setting	Custom Paper 008	ENG	[0 to 100 / 80 / 10%]
1-942-009	Suction Fan Setting	Custom Paper 009	ENG	[0 to 100 / 80 / 10%]
1-942-010	Suction Fan Setting	Custom Paper 010	ENG	[0 to 100 / 80 / 10%]
1-942-011	Suction Fan Setting	Custom Paper 011	ENG	[0 to 100 / 80 / 10%]
1-942-	Suction Fan Setting	Custom Paper 012	ENG	[0 to 100 / 80 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
1-942-013	Suction Fan Setting	Custom Paper 013	ENG	[0 to 100 / 80 / 10%]
1-942-014	Suction Fan Setting	Custom Paper 014	ENG	[0 to 100 / 80 / 10%]
1-942-015	Suction Fan Setting	Custom Paper 015	ENG	[0 to 100 / 80 / 10%]
1-942-016	Suction Fan Setting	Custom Paper 016	ENG	[0 to 100 / 80 / 10%]
1-942-017	Suction Fan Setting	Custom Paper 017	ENG	[0 to 100 / 80 / 10%]
1-942-018	Suction Fan Setting	Custom Paper 018	ENG	[0 to 100 / 80 / 10%]
1-942-019	Suction Fan Setting	Custom Paper 019	ENG	[0 to 100 / 80 / 10%]
1-942-020	Suction Fan Setting	Custom Paper 020	ENG	[0 to 100 / 80 / 10%]
1-942-021	Suction Fan Setting	Custom Paper 021	ENG	[0 to 100 / 80 / 10%]
1-942-022	Suction Fan Setting	Custom Paper 022	ENG	[0 to 100 / 80 / 10%]
1-942-023	Suction Fan Setting	Custom Paper 023	ENG	[0 to 100 / 80 / 10%]
1-942-024	Suction Fan Setting	Custom Paper 024	ENG	[0 to 100 / 80 / 10%]
1-942-025	Suction Fan Setting	Custom Paper 025	ENG	[0 to 100 / 80 / 10%]
1-942-026	Suction Fan Setting	Custom Paper 026	ENG	[0 to 100 / 80 / 10%]
1-942-027	Suction Fan Setting	Custom Paper 027	ENG	[0 to 100 / 80 / 10%]
1-942-028	Suction Fan Setting	Custom Paper 028	ENG	[0 to 100 / 80 / 10%]
1-942-029	Suction Fan Setting	Custom Paper 029	ENG	[0 to 100 / 80 / 10%]
1-942-	Suction Fan Setting	Custom Paper 030	ENG	[0 to 100 / 80 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030				
1-942-031	Suction Fan Setting	Custom Paper 031	ENG	[0 to 100 / 80 / 10%]
1-942-032	Suction Fan Setting	Custom Paper 032	ENG	[0 to 100 / 80 / 10%]
1-942-033	Suction Fan Setting	Custom Paper 033	ENG	[0 to 100 / 80 / 10%]
1-942-034	Suction Fan Setting	Custom Paper 034	ENG	[0 to 100 / 80 / 10%]
1-942-035	Suction Fan Setting	Custom Paper 035	ENG	[0 to 100 / 80 / 10%]
1-942-036	Suction Fan Setting	Custom Paper 036	ENG	[0 to 100 / 80 / 10%]
1-942-037	Suction Fan Setting	Custom Paper 037	ENG	[0 to 100 / 80 / 10%]
1-942-038	Suction Fan Setting	Custom Paper 038	ENG	[0 to 100 / 80 / 10%]
1-942-039	Suction Fan Setting	Custom Paper 039	ENG	[0 to 100 / 80 / 10%]
1-942-040	Suction Fan Setting	Custom Paper 040	ENG	[0 to 100 / 80 / 10%]
1-942-041	Suction Fan Setting	Custom Paper 041	ENG	[0 to 100 / 80 / 10%]
1-942-042	Suction Fan Setting	Custom Paper 042	ENG	[0 to 100 / 80 / 10%]
1-942-043	Suction Fan Setting	Custom Paper 043	ENG	[0 to 100 / 80 / 10%]
1-942-044	Suction Fan Setting	Custom Paper 044	ENG	[0 to 100 / 80 / 10%]
1-942-045	Suction Fan Setting	Custom Paper 045	ENG	[0 to 100 / 80 / 10%]
1-942-046	Suction Fan Setting	Custom Paper 046	ENG	[0 to 100 / 80 / 10%]
1-942-047	Suction Fan Setting	Custom Paper 047	ENG	[0 to 100 / 80 / 10%]
1-942-	Suction Fan Setting	Custom Paper 048	ENG	[0 to 100 / 80 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
048				
1-942-049	Suction Fan Setting	Custom Paper 049	ENG	[0 to 100 / 80 / 10%]
1-942-050	Suction Fan Setting	Custom Paper 050	ENG	[0 to 100 / 80 / 10%]
1-942-051	Suction Fan Setting	Custom Paper 051	ENG	[0 to 100 / 80 / 10%]
1-942-052	Suction Fan Setting	Custom Paper 052	ENG	[0 to 100 / 80 / 10%]
1-942-053	Suction Fan Setting	Custom Paper 053	ENG	[0 to 100 / 80 / 10%]
1-942-054	Suction Fan Setting	Custom Paper 054	ENG	[0 to 100 / 80 / 10%]
1-942-055	Suction Fan Setting	Custom Paper 055	ENG	[0 to 100 / 80 / 10%]
1-942-056	Suction Fan Setting	Custom Paper 056	ENG	[0 to 100 / 80 / 10%]
1-942-057	Suction Fan Setting	Custom Paper 057	ENG	[0 to 100 / 80 / 10%]
1-942-058	Suction Fan Setting	Custom Paper 058	ENG	[0 to 100 / 80 / 10%]
1-942-059	Suction Fan Setting	Custom Paper 059	ENG	[0 to 100 / 80 / 10%]
1-942-060	Suction Fan Setting	Custom Paper 060	ENG	[0 to 100 / 80 / 10%]
1-942-061	Suction Fan Setting	Custom Paper 061	ENG	[0 to 100 / 80 / 10%]
1-942-062	Suction Fan Setting	Custom Paper 062	ENG	[0 to 100 / 80 / 10%]
1-942-063	Suction Fan Setting	Custom Paper 063	ENG	[0 to 100 / 80 / 10%]
1-942-064	Suction Fan Setting	Custom Paper 064	ENG	[0 to 100 / 80 / 10%]
1-942-065	Suction Fan Setting	Custom Paper 065	ENG	[0 to 100 / 80 / 10%]
1-942-	Suction Fan Setting	Custom Paper 066	ENG	[0 to 100 / 80 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
066				
1-942-067	Suction Fan Setting	Custom Paper 067	ENG	[0 to 100 / 80 / 10%]
1-942-068	Suction Fan Setting	Custom Paper 068	ENG	[0 to 100 / 80 / 10%]
1-942-069	Suction Fan Setting	Custom Paper 069	ENG	[0 to 100 / 80 / 10%]
1-942-070	Suction Fan Setting	Custom Paper 070	ENG	[0 to 100 / 80 / 10%]
1-942-071	Suction Fan Setting	Custom Paper 071	ENG	[0 to 100 / 80 / 10%]
1-942-072	Suction Fan Setting	Custom Paper 072	ENG	[0 to 100 / 80 / 10%]
1-942-073	Suction Fan Setting	Custom Paper 073	ENG	[0 to 100 / 80 / 10%]
1-942-074	Suction Fan Setting	Custom Paper 074	ENG	[0 to 100 / 80 / 10%]
1-942-075	Suction Fan Setting	Custom Paper 075	ENG	[0 to 100 / 80 / 10%]
1-942-076	Suction Fan Setting	Custom Paper 076	ENG	[0 to 100 / 80 / 10%]
1-942-077	Suction Fan Setting	Custom Paper 077	ENG	[0 to 100 / 80 / 10%]
1-942-078	Suction Fan Setting	Custom Paper 078	ENG	[0 to 100 / 80 / 10%]
1-942-079	Suction Fan Setting	Custom Paper 079	ENG	[0 to 100 / 80 / 10%]
1-942-080	Suction Fan Setting	Custom Paper 080	ENG	[0 to 100 / 80 / 10%]
1-942-081	Suction Fan Setting	Custom Paper 081	ENG	[0 to 100 / 80 / 10%]
1-942-082	Suction Fan Setting	Custom Paper 082	ENG	[0 to 100 / 80 / 10%]
1-942-083	Suction Fan Setting	Custom Paper 083	ENG	[0 to 100 / 80 / 10%]
1-942-	Suction Fan Setting	Custom Paper 084	ENG	[0 to 100 / 80 / 10%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
084				
1-942-085	Suction Fan Setting	Custom Paper 085	ENG	[0 to 100 / 80 / 10%]
1-942-086	Suction Fan Setting	Custom Paper 086	ENG	[0 to 100 / 80 / 10%]
1-942-087	Suction Fan Setting	Custom Paper 087	ENG	[0 to 100 / 80 / 10%]
1-942-088	Suction Fan Setting	Custom Paper 088	ENG	[0 to 100 / 80 / 10%]
1-942-089	Suction Fan Setting	Custom Paper 089	ENG	[0 to 100 / 80 / 10%]
1-942-090	Suction Fan Setting	Custom Paper 090	ENG	[0 to 100 / 80 / 10%]
1-942-091	Suction Fan Setting	Custom Paper 091	ENG	[0 to 100 / 80 / 10%]
1-942-092	Suction Fan Setting	Custom Paper 092	ENG	[0 to 100 / 80 / 10%]
1-942-093	Suction Fan Setting	Custom Paper 093	ENG	[0 to 100 / 80 / 10%]
1-942-094	Suction Fan Setting	Custom Paper 094	ENG	[0 to 100 / 80 / 10%]
1-942-095	Suction Fan Setting	Custom Paper 095	ENG	[0 to 100 / 80 / 10%]
1-942-096	Suction Fan Setting	Custom Paper 096	ENG	[0 to 100 / 80 / 10%]
1-942-097	Suction Fan Setting	Custom Paper 097	ENG	[0 to 100 / 80 / 10%]
1-942-098	Suction Fan Setting	Custom Paper 098	ENG	[0 to 100 / 80 / 10%]
1-942-099	Suction Fan Setting	Custom Paper 099	ENG	[0 to 100 / 80 / 10%]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-942-100	Suction Fan Setting	Custom Paper 100	ENG	[0 to 100 / 80 / 10%]
1-943-001	Air Feed Mode Setting	Custom Paper 001	ENG	[0 to 4 / 0 / 1]
1-943-002	Air Feed Mode Setting	Custom Paper 002	ENG	[0 to 4 / 0 / 1]
1-943-003	Air Feed Mode Setting	Custom Paper 003	ENG	[0 to 4 / 0 / 1]
1-943-004	Air Feed Mode Setting	Custom Paper 004	ENG	[0 to 4 / 0 / 1]
1-943-005	Air Feed Mode Setting	Custom Paper 005	ENG	[0 to 4 / 0 / 1]
1-943-006	Air Feed Mode Setting	Custom Paper 006	ENG	[0 to 4 / 0 / 1]
1-943-007	Air Feed Mode Setting	Custom Paper 007	ENG	[0 to 4 / 0 / 1]
1-943-008	Air Feed Mode Setting	Custom Paper 008	ENG	[0 to 4 / 0 / 1]
1-943-009	Air Feed Mode Setting	Custom Paper 009	ENG	[0 to 4 / 0 / 1]
1-943-010	Air Feed Mode Setting	Custom Paper 010	ENG	[0 to 4 / 0 / 1]
1-943-011	Air Feed Mode Setting	Custom Paper 011	ENG	[0 to 4 / 0 / 1]
1-943-012	Air Feed Mode Setting	Custom Paper 012	ENG	[0 to 4 / 0 / 1]
1-943-013	Air Feed Mode Setting	Custom Paper 013	ENG	[0 to 4 / 0 / 1]
1-943-014	Air Feed Mode Setting	Custom Paper 014	ENG	[0 to 4 / 0 / 1]
1-943-015	Air Feed Mode Setting	Custom Paper 015	ENG	[0 to 4 / 0 / 1]
1-943-016	Air Feed Mode Setting	Custom Paper 016	ENG	[0 to 4 / 0 / 1]
1-943-	Air Feed Mode Setting	Custom Paper 017	ENG	[0 to 4 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017				
1-943-018	Air Feed Mode Setting	Custom Paper 018	ENG	[0 to 4 / 0 / 1]
1-943-019	Air Feed Mode Setting	Custom Paper 019	ENG	[0 to 4 / 0 / 1]
1-943-020	Air Feed Mode Setting	Custom Paper 020	ENG	[0 to 4 / 0 / 1]
1-943-021	Air Feed Mode Setting	Custom Paper 021	ENG	[0 to 4 / 0 / 1]
1-943-022	Air Feed Mode Setting	Custom Paper 022	ENG	[0 to 4 / 0 / 1]
1-943-023	Air Feed Mode Setting	Custom Paper 023	ENG	[0 to 4 / 0 / 1]
1-943-024	Air Feed Mode Setting	Custom Paper 024	ENG	[0 to 4 / 0 / 1]
1-943-025	Air Feed Mode Setting	Custom Paper 025	ENG	[0 to 4 / 0 / 1]
1-943-026	Air Feed Mode Setting	Custom Paper 026	ENG	[0 to 4 / 0 / 1]
1-943-027	Air Feed Mode Setting	Custom Paper 027	ENG	[0 to 4 / 0 / 1]
1-943-028	Air Feed Mode Setting	Custom Paper 028	ENG	[0 to 4 / 0 / 1]
1-943-029	Air Feed Mode Setting	Custom Paper 029	ENG	[0 to 4 / 0 / 1]
1-943-030	Air Feed Mode Setting	Custom Paper 030	ENG	[0 to 4 / 0 / 1]
1-943-031	Air Feed Mode Setting	Custom Paper 031	ENG	[0 to 4 / 0 / 1]
1-943-032	Air Feed Mode Setting	Custom Paper 032	ENG	[0 to 4 / 0 / 1]
1-943-033	Air Feed Mode Setting	Custom Paper 033	ENG	[0 to 4 / 0 / 1]
1-943-034	Air Feed Mode Setting	Custom Paper 034	ENG	[0 to 4 / 0 / 1]
1-943-	Air Feed Mode Setting	Custom Paper 035	ENG	[0 to 4 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035				
1-943-036	Air Feed Mode Setting	Custom Paper 036	ENG	[0 to 4 / 0 / 1]
1-943-037	Air Feed Mode Setting	Custom Paper 037	ENG	[0 to 4 / 0 / 1]
1-943-038	Air Feed Mode Setting	Custom Paper 038	ENG	[0 to 4 / 0 / 1]
1-943-039	Air Feed Mode Setting	Custom Paper 039	ENG	[0 to 4 / 0 / 1]
1-943-040	Air Feed Mode Setting	Custom Paper 040	ENG	[0 to 4 / 0 / 1]
1-943-041	Air Feed Mode Setting	Custom Paper 041	ENG	[0 to 4 / 0 / 1]
1-943-042	Air Feed Mode Setting	Custom Paper 042	ENG	[0 to 4 / 0 / 1]
1-943-043	Air Feed Mode Setting	Custom Paper 043	ENG	[0 to 4 / 0 / 1]
1-943-044	Air Feed Mode Setting	Custom Paper 044	ENG	[0 to 4 / 0 / 1]
1-943-045	Air Feed Mode Setting	Custom Paper 045	ENG	[0 to 4 / 0 / 1]
1-943-046	Air Feed Mode Setting	Custom Paper 046	ENG	[0 to 4 / 0 / 1]
1-943-047	Air Feed Mode Setting	Custom Paper 047	ENG	[0 to 4 / 0 / 1]
1-943-048	Air Feed Mode Setting	Custom Paper 048	ENG	[0 to 4 / 0 / 1]
1-943-049	Air Feed Mode Setting	Custom Paper 049	ENG	[0 to 4 / 0 / 1]
1-943-050	Air Feed Mode Setting	Custom Paper 050	ENG	[0 to 4 / 0 / 1]
1-943-051	Air Feed Mode Setting	Custom Paper 051	ENG	[0 to 4 / 0 / 1]
1-943-052	Air Feed Mode Setting	Custom Paper 052	ENG	[0 to 4 / 0 / 1]
1-943-	Air Feed Mode Setting	Custom Paper 053	ENG	[0 to 4 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053				
1-943-054	Air Feed Mode Setting	Custom Paper 054	ENG	[0 to 4 / 0 / 1]
1-943-055	Air Feed Mode Setting	Custom Paper 055	ENG	[0 to 4 / 0 / 1]
1-943-056	Air Feed Mode Setting	Custom Paper 056	ENG	[0 to 4 / 0 / 1]
1-943-057	Air Feed Mode Setting	Custom Paper 057	ENG	[0 to 4 / 0 / 1]
1-943-058	Air Feed Mode Setting	Custom Paper 058	ENG	[0 to 4 / 0 / 1]
1-943-059	Air Feed Mode Setting	Custom Paper 059	ENG	[0 to 4 / 0 / 1]
1-943-060	Air Feed Mode Setting	Custom Paper 060	ENG	[0 to 4 / 0 / 1]
1-943-061	Air Feed Mode Setting	Custom Paper 061	ENG	[0 to 4 / 0 / 1]
1-943-062	Air Feed Mode Setting	Custom Paper 062	ENG	[0 to 4 / 0 / 1]
1-943-063	Air Feed Mode Setting	Custom Paper 063	ENG	[0 to 4 / 0 / 1]
1-943-064	Air Feed Mode Setting	Custom Paper 064	ENG	[0 to 4 / 0 / 1]
1-943-065	Air Feed Mode Setting	Custom Paper 065	ENG	[0 to 4 / 0 / 1]
1-943-066	Air Feed Mode Setting	Custom Paper 066	ENG	[0 to 4 / 0 / 1]
1-943-067	Air Feed Mode Setting	Custom Paper 067	ENG	[0 to 4 / 0 / 1]
1-943-068	Air Feed Mode Setting	Custom Paper 068	ENG	[0 to 4 / 0 / 1]
1-943-069	Air Feed Mode Setting	Custom Paper 069	ENG	[0 to 4 / 0 / 1]
1-943-070	Air Feed Mode Setting	Custom Paper 070	ENG	[0 to 4 / 0 / 1]
1-943-	Air Feed Mode Setting	Custom Paper 071	ENG	[0 to 4 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071				
1-943-072	Air Feed Mode Setting	Custom Paper 072	ENG	[0 to 4 / 0 / 1]
1-943-073	Air Feed Mode Setting	Custom Paper 073	ENG	[0 to 4 / 0 / 1]
1-943-074	Air Feed Mode Setting	Custom Paper 074	ENG	[0 to 4 / 0 / 1]
1-943-075	Air Feed Mode Setting	Custom Paper 075	ENG	[0 to 4 / 0 / 1]
1-943-076	Air Feed Mode Setting	Custom Paper 076	ENG	[0 to 4 / 0 / 1]
1-943-077	Air Feed Mode Setting	Custom Paper 077	ENG	[0 to 4 / 0 / 1]
1-943-078	Air Feed Mode Setting	Custom Paper 078	ENG	[0 to 4 / 0 / 1]
1-943-079	Air Feed Mode Setting	Custom Paper 079	ENG	[0 to 4 / 0 / 1]
1-943-080	Air Feed Mode Setting	Custom Paper 080	ENG	[0 to 4 / 0 / 1]
1-943-081	Air Feed Mode Setting	Custom Paper 081	ENG	[0 to 4 / 0 / 1]
1-943-082	Air Feed Mode Setting	Custom Paper 082	ENG	[0 to 4 / 0 / 1]
1-943-083	Air Feed Mode Setting	Custom Paper 083	ENG	[0 to 4 / 0 / 1]
1-943-084	Air Feed Mode Setting	Custom Paper 084	ENG	[0 to 4 / 0 / 1]
1-943-085	Air Feed Mode Setting	Custom Paper 085	ENG	[0 to 4 / 0 / 1]
1-943-086	Air Feed Mode Setting	Custom Paper 086	ENG	[0 to 4 / 0 / 1]
1-943-087	Air Feed Mode Setting	Custom Paper 087	ENG	[0 to 4 / 0 / 1]
1-943-088	Air Feed Mode Setting	Custom Paper 088	ENG	[0 to 4 / 0 / 1]
1-943-	Air Feed Mode Setting	Custom Paper 089	ENG	[0 to 4 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089				
1-943-090	Air Feed Mode Setting	Custom Paper 090	ENG	[0 to 4 / 0 / 1]
1-943-091	Air Feed Mode Setting	Custom Paper 091	ENG	[0 to 4 / 0 / 1]
1-943-092	Air Feed Mode Setting	Custom Paper 092	ENG	[0 to 4 / 0 / 1]
1-943-093	Air Feed Mode Setting	Custom Paper 093	ENG	[0 to 4 / 0 / 1]
1-943-094	Air Feed Mode Setting	Custom Paper 094	ENG	[0 to 4 / 0 / 1]
1-943-095	Air Feed Mode Setting	Custom Paper 095	ENG	[0 to 4 / 0 / 1]
1-943-096	Air Feed Mode Setting	Custom Paper 096	ENG	[0 to 4 / 0 / 1]
1-943-097	Air Feed Mode Setting	Custom Paper 097	ENG	[0 to 4 / 0 / 1]
1-943-098	Air Feed Mode Setting	Custom Paper 098	ENG	[0 to 4 / 0 / 1]
1-943-099	Air Feed Mode Setting	Custom Paper 099	ENG	[0 to 4 / 0 / 1]
1-943-100	Air Feed Mode Setting	Custom Paper 100	ENG	[0 to 4 / 0 / 1]
1-945-001	Set Cooling Operation	Low Noise Op Temp	ENG	[0 to 50 / * / 1deg] *Pro 8200S:20 *Pro 8210S/8210Y:18 *Pro 8220S/8220Y:16
1-945-002	Set Cooling Operation	Noise Op Temp	ENG	[0 to 50 / * / 1deg] *Pro 8200S:35 *Pro 8210S/8210Y:33 *Pro 8220S/8220Y:31
1-945-	Set Cooling Operation	Noise Op High Temp	ENG	[0 to 50 / * / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				*Pro 8200S:37 *Pro 8210S/8210Y:35 *Pro 8220S/8220Y:33
1-945-005	Extend Main Fan Control Setting	Extend Main Fan Control	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-945-006	Extend Fan Control Setting	Transition Temperature	ENG	[0 to 50 / 40 / 1deg]
1-945-007	Extend Fan Control Setting	Operating Time	ENG	[0 to 240 / 10 / 1min]
1-945-008	Set Cooling Operation	Dev. Fan: Front: HS	ENG	[20 to 100 / 40 / 1%]
1-945-009	Set Cooling Operation	Dev. Fan: Front: NS	ENG	[20 to 100 / 100 / 1%]
1-945-010	Set Cooling Operation	Dev. Fan: Rear: HS	ENG	[20 to 100 / 40 / 1%]
1-945-011	Set Cooling Operation	Dev. Fan: Rear: NS	ENG	[20 to 100 / 100 / 1%]
1-945-012	Suction Operation	Ozone Brower Suction: HS	ENG	[20 to 100 / 20 / 1%]
1-945-013	Suction Operation	Ozone Brower Suction: NS	ENG	[20 to 100 / 100 / 1%]
1-945-014	Exhaust Operation	Ozone Brower Exhaust: HS	ENG	[20 to 100 / 60 / 1%]
1-945-015	Exhaust Operation	Ozone Brower Exhaust: NS	ENG	[20 to 100 / 100 / 1%]
1-945-016	Set Cooling Operation	Right Side Cooling Fan Front HS	ENG	[20 to 100 / 50 / 1%]
1-945-017	Set Cooling Operation	Right Side Cooling Fan Front NS	ENG	[20 to 100 / 100 / 1%]
1-945-018	Set Cooling Operation	Right Side Cooling Fan Rear HS	ENG	[20 to 100 / 50 / 1%]
1-945-019	Set Cooling Operation	Right Side Cooling Fan Rear NS	ENG	[20 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-945-020	Set Cooling Operation	Right Side Cooling Fan Center HS	ENG	[20 to 100 / 50 / 1%]
1-945-021	Set Cooling Operation	Right Side Cooling Fan Center NS	ENG	[20 to 100 / 100 / 1%]
1-945-100	Blur image	Mode switch	ENG	[0 to 1 / 1 / 1]
1-945-101	Blur image	Temp Humid/Body	ENG	[0 to 50 / 25 / 1deg]
1-945-102	Blur image	Relative Humid/Body	ENG	[0 to 100 / 70 / 1%]
1-945-103	Blur image	Abs Humid/Body	ENG	[0 to 100 / 16 / 1g/m3]
1-945-104	Blur image	Ozone Brower Suction/Stanby	ENG	[20 to 100 / 20 / 1%]
1-945-105	Blur image	Ozone Brower Exhaust/Stanby	ENG	[20 to 100 / 60 / 1%]
1-945-106	Blur image	Ozone Brower Suction/Printing	ENG	[20 to 100 / 100 / 1%]
1-945-107	Blur image	Ozone Brower Exhaust/Printing	ENG	[20 to 100 / 100 / 1%]
1-945-108	Blur image	Ozone Brower Suction/LowPower	ENG	[20 to 100 / 20 / 1%]
1-945-109	Blur image	Ozone Brower Exhaust/LowPower	ENG	[20 to 100 / 60 / 1%]
1-950-001	Image Pos:Sub:Side1	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-002	Image Pos:Sub:Side1	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-003	Image Pos:Sub:Side1	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-004	Image Pos:Sub:Side1	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-005	Image Pos:Sub:Side1	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-006	Image Pos:Sub:Side1	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-007	Image Pos:Sub:Side1	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-008	Image Pos:Sub:Side1	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-009	Image Pos:Sub:Side1	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-010	Image Pos:Sub:Side1	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-011	Image Pos:Sub:Side1	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-012	Image Pos:Sub:Side1	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-013	Image Pos:Sub:Side1	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-014	Image Pos:Sub:Side1	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-015	Image Pos:Sub:Side1	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-016	Image Pos:Sub:Side1	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-017	Image Pos:Sub:Side1	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-018	Image Pos:Sub:Side1	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-019	Image Pos:Sub:Side1	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-020	Image Pos:Sub:Side1	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-021	Image Pos:Sub:Side1	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-022	Image Pos:Sub:Side1	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-023	Image Pos:Sub:Side1	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-024	Image Pos:Sub:Side1	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-025	Image Pos:Sub:Side1	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-026	Image Pos:Sub:Side1	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-027	Image Pos:Sub:Side1	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-028	Image Pos:Sub:Side1	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-029	Image Pos:Sub:Side1	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-030	Image Pos:Sub:Side1	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-031	Image Pos:Sub:Side1	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-032	Image Pos:Sub:Side1	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-033	Image Pos:Sub:Side1	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-034	Image Pos:Sub:Side1	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-035	Image Pos:Sub:Side1	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-036	Image Pos:Sub:Side1	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-037	Image Pos:Sub:Side1	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-038	Image Pos:Sub:Side1	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-039	Image Pos:Sub:Side1	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-040	Image Pos:Sub:Side1	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-041	Image Pos:Sub:Side1	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-042	Image Pos:Sub:Side1	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-043	Image Pos:Sub:Side1	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-044	Image Pos:Sub:Side1	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-045	Image Pos:Sub:Side1	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-046	Image Pos:Sub:Side1	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-047	Image Pos:Sub:Side1	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-048	Image Pos:Sub:Side1	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-049	Image Pos:Sub:Side1	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-050	Image Pos:Sub:Side1	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-051	Image Pos:Sub:Side1	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-052	Image Pos:Sub:Side1	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-053	Image Pos:Sub:Side1	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-054	Image Pos:Sub:Side1	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-055	Image Pos:Sub:Side1	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-056	Image Pos:Sub:Side1	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-057	Image Pos:Sub:Side1	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-058	Image Pos:Sub:Side1	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-059	Image Pos:Sub:Side1	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-060	Image Pos:Sub:Side1	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-061	Image Pos:Sub:Side1	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-062	Image Pos:Sub:Side1	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-063	Image Pos:Sub:Side1	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-064	Image Pos:Sub:Side1	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-065	Image Pos:Sub:Side1	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-066	Image Pos:Sub:Side1	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-067	Image Pos:Sub:Side1	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-068	Image Pos:Sub:Side1	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-069	Image Pos:Sub:Side1	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-070	Image Pos:Sub:Side1	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-071	Image Pos:Sub:Side1	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-072	Image Pos:Sub:Side1	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-073	Image Pos:Sub:Side1	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-074	Image Pos:Sub:Side1	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-075	Image Pos:Sub:Side1	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-076	Image Pos:Sub:Side1	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-077	Image Pos:Sub:Side1	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-078	Image Pos:Sub:Side1	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-079	Image Pos:Sub:Side1	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-080	Image Pos:Sub:Side1	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-081	Image Pos:Sub:Side1	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-082	Image Pos:Sub:Side1	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-083	Image Pos:Sub:Side1	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-084	Image Pos:Sub:Side1	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-085	Image Pos:Sub:Side1	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-086	Image Pos:Sub:Side1	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-087	Image Pos:Sub:Side1	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-088	Image Pos:Sub:Side1	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-089	Image Pos:Sub:Side1	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-090	Image Pos:Sub:Side1	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-091	Image Pos:Sub:Side1	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-092	Image Pos:Sub:Side1	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-093	Image Pos:Sub:Side1	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-094	Image Pos:Sub:Side1	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-095	Image Pos:Sub:Side1	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-096	Image Pos:Sub:Side1	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-950-097	Image Pos:Sub:Side1	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-098	Image Pos:Sub:Side1	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-099	Image Pos:Sub:Side1	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1mm]
1-950-100	Image Pos:Sub:Side1	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-001	Image Pos:Sub:Side2	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-002	Image Pos:Sub:Side2	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-003	Image Pos:Sub:Side2	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-004	Image Pos:Sub:Side2	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-005	Image Pos:Sub:Side2	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-006	Image Pos:Sub:Side2	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-007	Image Pos:Sub:Side2	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-008	Image Pos:Sub:Side2	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-009	Image Pos:Sub:Side2	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-010	Image Pos:Sub:Side2	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-011	Image Pos:Sub:Side2	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-012	Image Pos:Sub:Side2	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-013	Image Pos:Sub:Side2	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-014	Image Pos:Sub:Side2	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-951-015	Image Pos:Sub:Side2	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-016	Image Pos:Sub:Side2	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-017	Image Pos:Sub:Side2	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-018	Image Pos:Sub:Side2	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-019	Image Pos:Sub:Side2	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-020	Image Pos:Sub:Side2	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-021	Image Pos:Sub:Side2	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-022	Image Pos:Sub:Side2	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-023	Image Pos:Sub:Side2	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-024	Image Pos:Sub:Side2	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-025	Image Pos:Sub:Side2	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-026	Image Pos:Sub:Side2	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-027	Image Pos:Sub:Side2	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-028	Image Pos:Sub:Side2	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-029	Image Pos:Sub:Side2	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-030	Image Pos:Sub:Side2	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-031	Image Pos:Sub:Side2	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-032	Image Pos:Sub:Side2	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-951-033	Image Pos:Sub:Side2	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-034	Image Pos:Sub:Side2	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-035	Image Pos:Sub:Side2	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-036	Image Pos:Sub:Side2	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-037	Image Pos:Sub:Side2	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-038	Image Pos:Sub:Side2	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-039	Image Pos:Sub:Side2	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-040	Image Pos:Sub:Side2	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-041	Image Pos:Sub:Side2	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-042	Image Pos:Sub:Side2	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-043	Image Pos:Sub:Side2	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-044	Image Pos:Sub:Side2	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-045	Image Pos:Sub:Side2	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-046	Image Pos:Sub:Side2	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-047	Image Pos:Sub:Side2	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-048	Image Pos:Sub:Side2	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-049	Image Pos:Sub:Side2	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-050	Image Pos:Sub:Side2	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-951-051	Image Pos:Sub:Side2	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-052	Image Pos:Sub:Side2	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-053	Image Pos:Sub:Side2	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-054	Image Pos:Sub:Side2	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-055	Image Pos:Sub:Side2	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-056	Image Pos:Sub:Side2	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-057	Image Pos:Sub:Side2	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-058	Image Pos:Sub:Side2	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-059	Image Pos:Sub:Side2	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-060	Image Pos:Sub:Side2	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-061	Image Pos:Sub:Side2	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-062	Image Pos:Sub:Side2	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-063	Image Pos:Sub:Side2	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-064	Image Pos:Sub:Side2	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-065	Image Pos:Sub:Side2	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-066	Image Pos:Sub:Side2	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-067	Image Pos:Sub:Side2	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-068	Image Pos:Sub:Side2	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-951-069	Image Pos:Sub:Side2	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-070	Image Pos:Sub:Side2	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-071	Image Pos:Sub:Side2	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-072	Image Pos:Sub:Side2	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-073	Image Pos:Sub:Side2	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-074	Image Pos:Sub:Side2	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-075	Image Pos:Sub:Side2	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-076	Image Pos:Sub:Side2	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-077	Image Pos:Sub:Side2	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-078	Image Pos:Sub:Side2	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-079	Image Pos:Sub:Side2	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-080	Image Pos:Sub:Side2	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-081	Image Pos:Sub:Side2	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-082	Image Pos:Sub:Side2	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-083	Image Pos:Sub:Side2	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-084	Image Pos:Sub:Side2	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-085	Image Pos:Sub:Side2	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-086	Image Pos:Sub:Side2	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-951-087	Image Pos:Sub:Side2	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-088	Image Pos:Sub:Side2	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-089	Image Pos:Sub:Side2	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-090	Image Pos:Sub:Side2	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-091	Image Pos:Sub:Side2	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-092	Image Pos:Sub:Side2	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-093	Image Pos:Sub:Side2	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-094	Image Pos:Sub:Side2	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-095	Image Pos:Sub:Side2	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-096	Image Pos:Sub:Side2	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-097	Image Pos:Sub:Side2	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-098	Image Pos:Sub:Side2	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-099	Image Pos:Sub:Side2	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1mm]
1-951-100	Image Pos:Sub:Side2	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-001	Image Pos:Main:Side1	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-002	Image Pos:Main:Side1	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-003	Image Pos:Main:Side1	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-004	Image Pos:Main:Side1	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-005	Image Pos:Main:Side1	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-006	Image Pos:Main:Side1	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-007	Image Pos:Main:Side1	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-008	Image Pos:Main:Side1	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-009	Image Pos:Main:Side1	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-010	Image Pos:Main:Side1	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-011	Image Pos:Main:Side1	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-012	Image Pos:Main:Side1	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-013	Image Pos:Main:Side1	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-014	Image Pos:Main:Side1	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-015	Image Pos:Main:Side1	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-016	Image Pos:Main:Side1	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-017	Image Pos:Main:Side1	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-018	Image Pos:Main:Side1	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-019	Image Pos:Main:Side1	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-020	Image Pos:Main:Side1	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-021	Image Pos:Main:Side1	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-022	Image Pos:Main:Side1	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-023	Image Pos:Main:Side1	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-024	Image Pos:Main:Side1	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-025	Image Pos:Main:Side1	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-026	Image Pos:Main:Side1	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-027	Image Pos:Main:Side1	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-028	Image Pos:Main:Side1	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-029	Image Pos:Main:Side1	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-030	Image Pos:Main:Side1	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-031	Image Pos:Main:Side1	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-032	Image Pos:Main:Side1	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-033	Image Pos:Main:Side1	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-034	Image Pos:Main:Side1	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-035	Image Pos:Main:Side1	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-036	Image Pos:Main:Side1	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-037	Image Pos:Main:Side1	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-038	Image Pos:Main:Side1	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-039	Image Pos:Main:Side1	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-040	Image Pos:Main:Side1	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-041	Image Pos:Main:Side1	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-042	Image Pos:Main:Side1	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-043	Image Pos:Main:Side1	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-044	Image Pos:Main:Side1	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-045	Image Pos:Main:Side1	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-046	Image Pos:Main:Side1	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-047	Image Pos:Main:Side1	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-048	Image Pos:Main:Side1	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-049	Image Pos:Main:Side1	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-050	Image Pos:Main:Side1	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-051	Image Pos:Main:Side1	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-052	Image Pos:Main:Side1	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-053	Image Pos:Main:Side1	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-054	Image Pos:Main:Side1	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-055	Image Pos:Main:Side1	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-056	Image Pos:Main:Side1	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-057	Image Pos:Main:Side1	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-058	Image Pos:Main:Side1	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-059	Image Pos:Main:Side1	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-060	Image Pos:Main:Side1	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-061	Image Pos:Main:Side1	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-062	Image Pos:Main:Side1	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-063	Image Pos:Main:Side1	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-064	Image Pos:Main:Side1	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-065	Image Pos:Main:Side1	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-066	Image Pos:Main:Side1	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-067	Image Pos:Main:Side1	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-068	Image Pos:Main:Side1	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-069	Image Pos:Main:Side1	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-070	Image Pos:Main:Side1	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-071	Image Pos:Main:Side1	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-072	Image Pos:Main:Side1	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-073	Image Pos:Main:Side1	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-074	Image Pos:Main:Side1	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-075	Image Pos:Main:Side1	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-076	Image Pos:Main:Side1	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-077	Image Pos:Main:Side1	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-078	Image Pos:Main:Side1	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-079	Image Pos:Main:Side1	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-080	Image Pos:Main:Side1	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-081	Image Pos:Main:Side1	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-082	Image Pos:Main:Side1	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-083	Image Pos:Main:Side1	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-084	Image Pos:Main:Side1	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-085	Image Pos:Main:Side1	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-086	Image Pos:Main:Side1	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-087	Image Pos:Main:Side1	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-088	Image Pos:Main:Side1	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-089	Image Pos:Main:Side1	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-090	Image Pos:Main:Side1	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-091	Image Pos:Main:Side1	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-092	Image Pos:Main:Side1	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-093	Image Pos:Main:Side1	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-094	Image Pos:Main:Side1	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-095	Image Pos:Main:Side1	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-096	Image Pos:Main:Side1	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-097	Image Pos:Main:Side1	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-098	Image Pos:Main:Side1	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-099	Image Pos:Main:Side1	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1mm]
1-952-100	Image Pos:Main:Side1	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-001	Image Pos:Main:Side2	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-002	Image Pos:Main:Side2	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-003	Image Pos:Main:Side2	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-004	Image Pos:Main:Side2	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-005	Image Pos:Main:Side2	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-006	Image Pos:Main:Side2	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-007	Image Pos:Main:Side2	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-008	Image Pos:Main:Side2	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-009	Image Pos:Main:Side2	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-010	Image Pos:Main:Side2	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-011	Image Pos:Main:Side2	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-012	Image Pos:Main:Side2	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-953-013	Image Pos:Main:Side2	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-014	Image Pos:Main:Side2	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-015	Image Pos:Main:Side2	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-016	Image Pos:Main:Side2	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-017	Image Pos:Main:Side2	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-018	Image Pos:Main:Side2	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-019	Image Pos:Main:Side2	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-020	Image Pos:Main:Side2	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-021	Image Pos:Main:Side2	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-022	Image Pos:Main:Side2	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-023	Image Pos:Main:Side2	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-024	Image Pos:Main:Side2	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-025	Image Pos:Main:Side2	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-026	Image Pos:Main:Side2	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-027	Image Pos:Main:Side2	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-028	Image Pos:Main:Side2	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-029	Image Pos:Main:Side2	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-030	Image Pos:Main:Side2	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-953-031	Image Pos:Main:Side2	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-032	Image Pos:Main:Side2	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-033	Image Pos:Main:Side2	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-034	Image Pos:Main:Side2	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-035	Image Pos:Main:Side2	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-036	Image Pos:Main:Side2	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-037	Image Pos:Main:Side2	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-038	Image Pos:Main:Side2	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-039	Image Pos:Main:Side2	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-040	Image Pos:Main:Side2	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-041	Image Pos:Main:Side2	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-042	Image Pos:Main:Side2	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-043	Image Pos:Main:Side2	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-044	Image Pos:Main:Side2	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-045	Image Pos:Main:Side2	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-046	Image Pos:Main:Side2	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-047	Image Pos:Main:Side2	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-048	Image Pos:Main:Side2	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-953-049	Image Pos:Main:Side2	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-050	Image Pos:Main:Side2	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-051	Image Pos:Main:Side2	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-052	Image Pos:Main:Side2	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-053	Image Pos:Main:Side2	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-054	Image Pos:Main:Side2	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-055	Image Pos:Main:Side2	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-056	Image Pos:Main:Side2	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-057	Image Pos:Main:Side2	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-058	Image Pos:Main:Side2	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-059	Image Pos:Main:Side2	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-060	Image Pos:Main:Side2	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-061	Image Pos:Main:Side2	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-062	Image Pos:Main:Side2	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-063	Image Pos:Main:Side2	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-064	Image Pos:Main:Side2	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-065	Image Pos:Main:Side2	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-066	Image Pos:Main:Side2	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-953-067	Image Pos:Main:Side2	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-068	Image Pos:Main:Side2	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-069	Image Pos:Main:Side2	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-070	Image Pos:Main:Side2	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-071	Image Pos:Main:Side2	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-072	Image Pos:Main:Side2	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-073	Image Pos:Main:Side2	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-074	Image Pos:Main:Side2	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-075	Image Pos:Main:Side2	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-076	Image Pos:Main:Side2	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-077	Image Pos:Main:Side2	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-078	Image Pos:Main:Side2	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-079	Image Pos:Main:Side2	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-080	Image Pos:Main:Side2	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-081	Image Pos:Main:Side2	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-082	Image Pos:Main:Side2	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-083	Image Pos:Main:Side2	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-084	Image Pos:Main:Side2	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-953-085	Image Pos:Main:Side2	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-086	Image Pos:Main:Side2	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-087	Image Pos:Main:Side2	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-088	Image Pos:Main:Side2	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-089	Image Pos:Main:Side2	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-090	Image Pos:Main:Side2	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-091	Image Pos:Main:Side2	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-092	Image Pos:Main:Side2	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-093	Image Pos:Main:Side2	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-094	Image Pos:Main:Side2	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-095	Image Pos:Main:Side2	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-096	Image Pos:Main:Side2	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-097	Image Pos:Main:Side2	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-098	Image Pos:Main:Side2	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-099	Image Pos:Main:Side2	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1mm]
1-953-100	Image Pos:Main:Side2	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1mm]
1-955-001	Skew Detect	Custom Paper 001	ENG	[0 to 1 / 1 / 1-]
1-955-002	Skew Detect	Custom Paper 002	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-003	Skew Detect	Custom Paper 003	ENG	[0 to 1 / 1 / 1-]
1-955-004	Skew Detect	Custom Paper 004	ENG	[0 to 1 / 1 / 1-]
1-955-005	Skew Detect	Custom Paper 005	ENG	[0 to 1 / 1 / 1-]
1-955-006	Skew Detect	Custom Paper 006	ENG	[0 to 1 / 1 / 1-]
1-955-007	Skew Detect	Custom Paper 007	ENG	[0 to 1 / 1 / 1-]
1-955-008	Skew Detect	Custom Paper 008	ENG	[0 to 1 / 1 / 1-]
1-955-009	Skew Detect	Custom Paper 009	ENG	[0 to 1 / 1 / 1-]
1-955-010	Skew Detect	Custom Paper 010	ENG	[0 to 1 / 1 / 1-]
1-955-011	Skew Detect	Custom Paper 011	ENG	[0 to 1 / 1 / 1-]
1-955-012	Skew Detect	Custom Paper 012	ENG	[0 to 1 / 1 / 1-]
1-955-013	Skew Detect	Custom Paper 013	ENG	[0 to 1 / 1 / 1-]
1-955-014	Skew Detect	Custom Paper 014	ENG	[0 to 1 / 1 / 1-]
1-955-015	Skew Detect	Custom Paper 015	ENG	[0 to 1 / 1 / 1-]
1-955-016	Skew Detect	Custom Paper 016	ENG	[0 to 1 / 1 / 1-]
1-955-017	Skew Detect	Custom Paper 017	ENG	[0 to 1 / 1 / 1-]
1-955-018	Skew Detect	Custom Paper 018	ENG	[0 to 1 / 1 / 1-]
1-955-019	Skew Detect	Custom Paper 019	ENG	[0 to 1 / 1 / 1-]
1-955-020	Skew Detect	Custom Paper 020	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-021	Skew Detect	Custom Paper 021	ENG	[0 to 1 / 1 / 1-]
1-955-022	Skew Detect	Custom Paper 022	ENG	[0 to 1 / 1 / 1-]
1-955-023	Skew Detect	Custom Paper 023	ENG	[0 to 1 / 1 / 1-]
1-955-024	Skew Detect	Custom Paper 024	ENG	[0 to 1 / 1 / 1-]
1-955-025	Skew Detect	Custom Paper 025	ENG	[0 to 1 / 1 / 1-]
1-955-026	Skew Detect	Custom Paper 026	ENG	[0 to 1 / 1 / 1-]
1-955-027	Skew Detect	Custom Paper 027	ENG	[0 to 1 / 1 / 1-]
1-955-028	Skew Detect	Custom Paper 028	ENG	[0 to 1 / 1 / 1-]
1-955-029	Skew Detect	Custom Paper 029	ENG	[0 to 1 / 1 / 1-]
1-955-030	Skew Detect	Custom Paper 030	ENG	[0 to 1 / 1 / 1-]
1-955-031	Skew Detect	Custom Paper 031	ENG	[0 to 1 / 1 / 1-]
1-955-032	Skew Detect	Custom Paper 032	ENG	[0 to 1 / 1 / 1-]
1-955-033	Skew Detect	Custom Paper 033	ENG	[0 to 1 / 1 / 1-]
1-955-034	Skew Detect	Custom Paper 034	ENG	[0 to 1 / 1 / 1-]
1-955-035	Skew Detect	Custom Paper 035	ENG	[0 to 1 / 1 / 1-]
1-955-036	Skew Detect	Custom Paper 036	ENG	[0 to 1 / 1 / 1-]
1-955-037	Skew Detect	Custom Paper 037	ENG	[0 to 1 / 1 / 1-]
1-955-038	Skew Detect	Custom Paper 038	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-039	Skew Detect	Custom Paper 039	ENG	[0 to 1 / 1 / 1-]
1-955-040	Skew Detect	Custom Paper 040	ENG	[0 to 1 / 1 / 1-]
1-955-041	Skew Detect	Custom Paper 041	ENG	[0 to 1 / 1 / 1-]
1-955-042	Skew Detect	Custom Paper 042	ENG	[0 to 1 / 1 / 1-]
1-955-043	Skew Detect	Custom Paper 043	ENG	[0 to 1 / 1 / 1-]
1-955-044	Skew Detect	Custom Paper 044	ENG	[0 to 1 / 1 / 1-]
1-955-045	Skew Detect	Custom Paper 045	ENG	[0 to 1 / 1 / 1-]
1-955-046	Skew Detect	Custom Paper 046	ENG	[0 to 1 / 1 / 1-]
1-955-047	Skew Detect	Custom Paper 047	ENG	[0 to 1 / 1 / 1-]
1-955-048	Skew Detect	Custom Paper 048	ENG	[0 to 1 / 1 / 1-]
1-955-049	Skew Detect	Custom Paper 049	ENG	[0 to 1 / 1 / 1-]
1-955-050	Skew Detect	Custom Paper 050	ENG	[0 to 1 / 1 / 1-]
1-955-051	Skew Detect	Custom Paper 051	ENG	[0 to 1 / 1 / 1-]
1-955-052	Skew Detect	Custom Paper 052	ENG	[0 to 1 / 1 / 1-]
1-955-053	Skew Detect	Custom Paper 053	ENG	[0 to 1 / 1 / 1-]
1-955-054	Skew Detect	Custom Paper 054	ENG	[0 to 1 / 1 / 1-]
1-955-055	Skew Detect	Custom Paper 055	ENG	[0 to 1 / 1 / 1-]
1-955-056	Skew Detect	Custom Paper 056	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-057	Skew Detect	Custom Paper 057	ENG	[0 to 1 / 1 / 1-]
1-955-058	Skew Detect	Custom Paper 058	ENG	[0 to 1 / 1 / 1-]
1-955-059	Skew Detect	Custom Paper 059	ENG	[0 to 1 / 1 / 1-]
1-955-060	Skew Detect	Custom Paper 060	ENG	[0 to 1 / 1 / 1-]
1-955-061	Skew Detect	Custom Paper 061	ENG	[0 to 1 / 1 / 1-]
1-955-062	Skew Detect	Custom Paper 062	ENG	[0 to 1 / 1 / 1-]
1-955-063	Skew Detect	Custom Paper 063	ENG	[0 to 1 / 1 / 1-]
1-955-064	Skew Detect	Custom Paper 064	ENG	[0 to 1 / 1 / 1-]
1-955-065	Skew Detect	Custom Paper 065	ENG	[0 to 1 / 1 / 1-]
1-955-066	Skew Detect	Custom Paper 066	ENG	[0 to 1 / 1 / 1-]
1-955-067	Skew Detect	Custom Paper 067	ENG	[0 to 1 / 1 / 1-]
1-955-068	Skew Detect	Custom Paper 068	ENG	[0 to 1 / 1 / 1-]
1-955-069	Skew Detect	Custom Paper 069	ENG	[0 to 1 / 1 / 1-]
1-955-070	Skew Detect	Custom Paper 070	ENG	[0 to 1 / 1 / 1-]
1-955-071	Skew Detect	Custom Paper 071	ENG	[0 to 1 / 1 / 1-]
1-955-072	Skew Detect	Custom Paper 072	ENG	[0 to 1 / 1 / 1-]
1-955-073	Skew Detect	Custom Paper 073	ENG	[0 to 1 / 1 / 1-]
1-955-074	Skew Detect	Custom Paper 074	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-075	Skew Detect	Custom Paper 075	ENG	[0 to 1 / 1 / 1-]
1-955-076	Skew Detect	Custom Paper 076	ENG	[0 to 1 / 1 / 1-]
1-955-077	Skew Detect	Custom Paper 077	ENG	[0 to 1 / 1 / 1-]
1-955-078	Skew Detect	Custom Paper 078	ENG	[0 to 1 / 1 / 1-]
1-955-079	Skew Detect	Custom Paper 079	ENG	[0 to 1 / 1 / 1-]
1-955-080	Skew Detect	Custom Paper 080	ENG	[0 to 1 / 1 / 1-]
1-955-081	Skew Detect	Custom Paper 081	ENG	[0 to 1 / 1 / 1-]
1-955-082	Skew Detect	Custom Paper 082	ENG	[0 to 1 / 1 / 1-]
1-955-083	Skew Detect	Custom Paper 083	ENG	[0 to 1 / 1 / 1-]
1-955-084	Skew Detect	Custom Paper 084	ENG	[0 to 1 / 1 / 1-]
1-955-085	Skew Detect	Custom Paper 085	ENG	[0 to 1 / 1 / 1-]
1-955-086	Skew Detect	Custom Paper 086	ENG	[0 to 1 / 1 / 1-]
1-955-087	Skew Detect	Custom Paper 087	ENG	[0 to 1 / 1 / 1-]
1-955-088	Skew Detect	Custom Paper 088	ENG	[0 to 1 / 1 / 1-]
1-955-089	Skew Detect	Custom Paper 089	ENG	[0 to 1 / 1 / 1-]
1-955-090	Skew Detect	Custom Paper 090	ENG	[0 to 1 / 1 / 1-]
1-955-091	Skew Detect	Custom Paper 091	ENG	[0 to 1 / 1 / 1-]
1-955-092	Skew Detect	Custom Paper 092	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-955-093	Skew Detect	Custom Paper 093	ENG	[0 to 1 / 1 / 1-]
1-955-094	Skew Detect	Custom Paper 094	ENG	[0 to 1 / 1 / 1-]
1-955-095	Skew Detect	Custom Paper 095	ENG	[0 to 1 / 1 / 1-]
1-955-096	Skew Detect	Custom Paper 096	ENG	[0 to 1 / 1 / 1-]
1-955-097	Skew Detect	Custom Paper 097	ENG	[0 to 1 / 1 / 1-]
1-955-098	Skew Detect	Custom Paper 098	ENG	[0 to 1 / 1 / 1-]
1-955-099	Skew Detect	Custom Paper 099	ENG	[0 to 1 / 1 / 1-]
1-955-100	Skew Detect	Custom Paper 100	ENG	[0 to 1 / 1 / 1-]
1-956-001	Dbl-Feed Detect	Custom Paper 001	ENG	[0 to 1 / 1 / 1-]
1-956-002	Dbl-Feed Detect	Custom Paper 002	ENG	[0 to 1 / 1 / 1-]
1-956-003	Dbl-Feed Detect	Custom Paper 003	ENG	[0 to 1 / 1 / 1-]
1-956-004	Dbl-Feed Detect	Custom Paper 004	ENG	[0 to 1 / 1 / 1-]
1-956-005	Dbl-Feed Detect	Custom Paper 005	ENG	[0 to 1 / 1 / 1-]
1-956-006	Dbl-Feed Detect	Custom Paper 006	ENG	[0 to 1 / 1 / 1-]
1-956-007	Dbl-Feed Detect	Custom Paper 007	ENG	[0 to 1 / 1 / 1-]
1-956-008	Dbl-Feed Detect	Custom Paper 008	ENG	[0 to 1 / 1 / 1-]
1-956-009	Dbl-Feed Detect	Custom Paper 009	ENG	[0 to 1 / 1 / 1-]
1-956-010	Dbl-Feed Detect	Custom Paper 010	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-956-011	Dbl-Feed Detect	Custom Paper 011	ENG	[0 to 1 / 1 / 1-]
1-956-012	Dbl-Feed Detect	Custom Paper 012	ENG	[0 to 1 / 1 / 1-]
1-956-013	Dbl-Feed Detect	Custom Paper 013	ENG	[0 to 1 / 1 / 1-]
1-956-014	Dbl-Feed Detect	Custom Paper 014	ENG	[0 to 1 / 1 / 1-]
1-956-015	Dbl-Feed Detect	Custom Paper 015	ENG	[0 to 1 / 1 / 1-]
1-956-016	Dbl-Feed Detect	Custom Paper 016	ENG	[0 to 1 / 1 / 1-]
1-956-017	Dbl-Feed Detect	Custom Paper 017	ENG	[0 to 1 / 1 / 1-]
1-956-018	Dbl-Feed Detect	Custom Paper 018	ENG	[0 to 1 / 1 / 1-]
1-956-019	Dbl-Feed Detect	Custom Paper 019	ENG	[0 to 1 / 1 / 1-]
1-956-020	Dbl-Feed Detect	Custom Paper 020	ENG	[0 to 1 / 1 / 1-]
1-956-021	Dbl-Feed Detect	Custom Paper 021	ENG	[0 to 1 / 1 / 1-]
1-956-022	Dbl-Feed Detect	Custom Paper 022	ENG	[0 to 1 / 1 / 1-]
1-956-023	Dbl-Feed Detect	Custom Paper 023	ENG	[0 to 1 / 1 / 1-]
1-956-024	Dbl-Feed Detect	Custom Paper 024	ENG	[0 to 1 / 1 / 1-]
1-956-025	Dbl-Feed Detect	Custom Paper 025	ENG	[0 to 1 / 1 / 1-]
1-956-026	Dbl-Feed Detect	Custom Paper 026	ENG	[0 to 1 / 1 / 1-]
1-956-027	Dbl-Feed Detect	Custom Paper 027	ENG	[0 to 1 / 1 / 1-]
1-956-028	Dbl-Feed Detect	Custom Paper 028	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-956-029	Dbl-Feed Detect	Custom Paper 029	ENG	[0 to 1 / 1 / 1-]
1-956-030	Dbl-Feed Detect	Custom Paper 030	ENG	[0 to 1 / 1 / 1-]
1-956-031	Dbl-Feed Detect	Custom Paper 031	ENG	[0 to 1 / 1 / 1-]
1-956-032	Dbl-Feed Detect	Custom Paper 032	ENG	[0 to 1 / 1 / 1-]
1-956-033	Dbl-Feed Detect	Custom Paper 033	ENG	[0 to 1 / 1 / 1-]
1-956-034	Dbl-Feed Detect	Custom Paper 034	ENG	[0 to 1 / 1 / 1-]
1-956-035	Dbl-Feed Detect	Custom Paper 035	ENG	[0 to 1 / 1 / 1-]
1-956-036	Dbl-Feed Detect	Custom Paper 036	ENG	[0 to 1 / 1 / 1-]
1-956-037	Dbl-Feed Detect	Custom Paper 037	ENG	[0 to 1 / 1 / 1-]
1-956-038	Dbl-Feed Detect	Custom Paper 038	ENG	[0 to 1 / 1 / 1-]
1-956-039	Dbl-Feed Detect	Custom Paper 039	ENG	[0 to 1 / 1 / 1-]
1-956-040	Dbl-Feed Detect	Custom Paper 040	ENG	[0 to 1 / 1 / 1-]
1-956-041	Dbl-Feed Detect	Custom Paper 041	ENG	[0 to 1 / 1 / 1-]
1-956-042	Dbl-Feed Detect	Custom Paper 042	ENG	[0 to 1 / 1 / 1-]
1-956-043	Dbl-Feed Detect	Custom Paper 043	ENG	[0 to 1 / 1 / 1-]
1-956-044	Dbl-Feed Detect	Custom Paper 044	ENG	[0 to 1 / 1 / 1-]
1-956-045	Dbl-Feed Detect	Custom Paper 045	ENG	[0 to 1 / 1 / 1-]
1-956-046	Dbl-Feed Detect	Custom Paper 046	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-956-047	Dbl-Feed Detect	Custom Paper 047	ENG	[0 to 1 / 1 / 1-]
1-956-048	Dbl-Feed Detect	Custom Paper 048	ENG	[0 to 1 / 1 / 1-]
1-956-049	Dbl-Feed Detect	Custom Paper 049	ENG	[0 to 1 / 1 / 1-]
1-956-050	Dbl-Feed Detect	Custom Paper 050	ENG	[0 to 1 / 1 / 1-]
1-956-051	Dbl-Feed Detect	Custom Paper 051	ENG	[0 to 1 / 1 / 1-]
1-956-052	Dbl-Feed Detect	Custom Paper 052	ENG	[0 to 1 / 1 / 1-]
1-956-053	Dbl-Feed Detect	Custom Paper 053	ENG	[0 to 1 / 1 / 1-]
1-956-054	Dbl-Feed Detect	Custom Paper 054	ENG	[0 to 1 / 1 / 1-]
1-956-055	Dbl-Feed Detect	Custom Paper 055	ENG	[0 to 1 / 1 / 1-]
1-956-056	Dbl-Feed Detect	Custom Paper 056	ENG	[0 to 1 / 1 / 1-]
1-956-057	Dbl-Feed Detect	Custom Paper 057	ENG	[0 to 1 / 1 / 1-]
1-956-058	Dbl-Feed Detect	Custom Paper 058	ENG	[0 to 1 / 1 / 1-]
1-956-059	Dbl-Feed Detect	Custom Paper 059	ENG	[0 to 1 / 1 / 1-]
1-956-060	Dbl-Feed Detect	Custom Paper 060	ENG	[0 to 1 / 1 / 1-]
1-956-061	Dbl-Feed Detect	Custom Paper 061	ENG	[0 to 1 / 1 / 1-]
1-956-062	Dbl-Feed Detect	Custom Paper 062	ENG	[0 to 1 / 1 / 1-]
1-956-063	Dbl-Feed Detect	Custom Paper 063	ENG	[0 to 1 / 1 / 1-]
1-956-064	Dbl-Feed Detect	Custom Paper 064	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-956-065	Dbl-Feed Detect	Custom Paper 065	ENG	[0 to 1 / 1 / 1-]
1-956-066	Dbl-Feed Detect	Custom Paper 066	ENG	[0 to 1 / 1 / 1-]
1-956-067	Dbl-Feed Detect	Custom Paper 067	ENG	[0 to 1 / 1 / 1-]
1-956-068	Dbl-Feed Detect	Custom Paper 068	ENG	[0 to 1 / 1 / 1-]
1-956-069	Dbl-Feed Detect	Custom Paper 069	ENG	[0 to 1 / 1 / 1-]
1-956-070	Dbl-Feed Detect	Custom Paper 070	ENG	[0 to 1 / 1 / 1-]
1-956-071	Dbl-Feed Detect	Custom Paper 071	ENG	[0 to 1 / 1 / 1-]
1-956-072	Dbl-Feed Detect	Custom Paper 072	ENG	[0 to 1 / 1 / 1-]
1-956-073	Dbl-Feed Detect	Custom Paper 073	ENG	[0 to 1 / 1 / 1-]
1-956-074	Dbl-Feed Detect	Custom Paper 074	ENG	[0 to 1 / 1 / 1-]
1-956-075	Dbl-Feed Detect	Custom Paper 075	ENG	[0 to 1 / 1 / 1-]
1-956-076	Dbl-Feed Detect	Custom Paper 076	ENG	[0 to 1 / 1 / 1-]
1-956-077	Dbl-Feed Detect	Custom Paper 077	ENG	[0 to 1 / 1 / 1-]
1-956-078	Dbl-Feed Detect	Custom Paper 078	ENG	[0 to 1 / 1 / 1-]
1-956-079	Dbl-Feed Detect	Custom Paper 079	ENG	[0 to 1 / 1 / 1-]
1-956-080	Dbl-Feed Detect	Custom Paper 080	ENG	[0 to 1 / 1 / 1-]
1-956-081	Dbl-Feed Detect	Custom Paper 081	ENG	[0 to 1 / 1 / 1-]
1-956-082	Dbl-Feed Detect	Custom Paper 082	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-956-083	Dbl-Feed Detect	Custom Paper 083	ENG	[0 to 1 / 1 / 1-]
1-956-084	Dbl-Feed Detect	Custom Paper 084	ENG	[0 to 1 / 1 / 1-]
1-956-085	Dbl-Feed Detect	Custom Paper 085	ENG	[0 to 1 / 1 / 1-]
1-956-086	Dbl-Feed Detect	Custom Paper 086	ENG	[0 to 1 / 1 / 1-]
1-956-087	Dbl-Feed Detect	Custom Paper 087	ENG	[0 to 1 / 1 / 1-]
1-956-088	Dbl-Feed Detect	Custom Paper 088	ENG	[0 to 1 / 1 / 1-]
1-956-089	Dbl-Feed Detect	Custom Paper 089	ENG	[0 to 1 / 1 / 1-]
1-956-090	Dbl-Feed Detect	Custom Paper 090	ENG	[0 to 1 / 1 / 1-]
1-956-091	Dbl-Feed Detect	Custom Paper 091	ENG	[0 to 1 / 1 / 1-]
1-956-092	Dbl-Feed Detect	Custom Paper 092	ENG	[0 to 1 / 1 / 1-]
1-956-093	Dbl-Feed Detect	Custom Paper 093	ENG	[0 to 1 / 1 / 1-]
1-956-094	Dbl-Feed Detect	Custom Paper 094	ENG	[0 to 1 / 1 / 1-]
1-956-095	Dbl-Feed Detect	Custom Paper 095	ENG	[0 to 1 / 1 / 1-]
1-956-096	Dbl-Feed Detect	Custom Paper 096	ENG	[0 to 1 / 1 / 1-]
1-956-097	Dbl-Feed Detect	Custom Paper 097	ENG	[0 to 1 / 1 / 1-]
1-956-098	Dbl-Feed Detect	Custom Paper 098	ENG	[0 to 1 / 1 / 1-]
1-956-099	Dbl-Feed Detect	Custom Paper 099	ENG	[0 to 1 / 1 / 1-]
1-956-100	Dbl-Feed Detect	Custom Paper 100	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-001	Side-to-Side Reg Disable	Custom Paper 001	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-002	Side-to-Side Reg Disable	Custom Paper 002	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-003	Side-to-Side Reg Disable	Custom Paper 003	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-004	Side-to-Side Reg Disable	Custom Paper 004	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-005	Side-to-Side Reg Disable	Custom Paper 005	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-006	Side-to-Side Reg Disable	Custom Paper 006	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-007	Side-to-Side Reg Disable	Custom Paper 007	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-008	Side-to-Side Reg Disable	Custom Paper 008	ENG	[0 to 2 / 0 / 1-] 0: Enable

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Disable 2: Jam Detection OFF
1-957-009	Side-to-Side Reg Disable	Custom Paper 009	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-010	Side-to-Side Reg Disable	Custom Paper 010	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-011	Side-to-Side Reg Disable	Custom Paper 011	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-012	Side-to-Side Reg Disable	Custom Paper 012	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-013	Side-to-Side Reg Disable	Custom Paper 013	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-014	Side-to-Side Reg Disable	Custom Paper 014	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-015	Side-to-Side Reg Disable	Custom Paper 015	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				OFF
1-957-016	Side-to-Side Reg Disable	Custom Paper 016	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-017	Side-to-Side Reg Disable	Custom Paper 017	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-018	Side-to-Side Reg Disable	Custom Paper 018	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-019	Side-to-Side Reg Disable	Custom Paper 019	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-020	Side-to-Side Reg Disable	Custom Paper 020	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-021	Side-to-Side Reg Disable	Custom Paper 021	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-022	Side-to-Side Reg Disable	Custom Paper 022	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-	Side-to-Side Reg Disable	Custom Paper 023	ENG	[0 to 2 / 0 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
023				0: Enable 1: Disable 2: Jam Detection OFF
1-957-024	Side-to-Side Reg Disable	Custom Paper 024	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-025	Side-to-Side Reg Disable	Custom Paper 025	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-026	Side-to-Side Reg Disable	Custom Paper 026	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-027	Side-to-Side Reg Disable	Custom Paper 027	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-028	Side-to-Side Reg Disable	Custom Paper 028	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-029	Side-to-Side Reg Disable	Custom Paper 029	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-030	Side-to-Side Reg Disable	Custom Paper 030	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: Jam Detection OFF
1-957-031	Side-to-Side Reg Disable	Custom Paper 031	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-032	Side-to-Side Reg Disable	Custom Paper 032	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-033	Side-to-Side Reg Disable	Custom Paper 033	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-034	Side-to-Side Reg Disable	Custom Paper 034	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-035	Side-to-Side Reg Disable	Custom Paper 035	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-036	Side-to-Side Reg Disable	Custom Paper 036	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-037	Side-to-Side Reg Disable	Custom Paper 037	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-038	Side-to-Side Reg Disable	Custom Paper 038	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-039	Side-to-Side Reg Disable	Custom Paper 039	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-040	Side-to-Side Reg Disable	Custom Paper 040	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-041	Side-to-Side Reg Disable	Custom Paper 041	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-042	Side-to-Side Reg Disable	Custom Paper 042	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-043	Side-to-Side Reg Disable	Custom Paper 043	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-044	Side-to-Side Reg Disable	Custom Paper 044	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-045	Side-to-Side Reg Disable	Custom Paper 045	ENG	[0 to 2 / 0 / 1-] 0: Enable

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Disable 2: Jam Detection OFF
1-957-046	Side-to-Side Reg Disable	Custom Paper 046	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-047	Side-to-Side Reg Disable	Custom Paper 047	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-048	Side-to-Side Reg Disable	Custom Paper 048	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-049	Side-to-Side Reg Disable	Custom Paper 049	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-050	Side-to-Side Reg Disable	Custom Paper 050	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-051	Side-to-Side Reg Disable	Custom Paper 051	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-052	Side-to-Side Reg Disable	Custom Paper 052	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				OFF
1-957-053	Side-to-Side Reg Disable	Custom Paper 053	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-054	Side-to-Side Reg Disable	Custom Paper 054	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-055	Side-to-Side Reg Disable	Custom Paper 055	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-056	Side-to-Side Reg Disable	Custom Paper 056	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-057	Side-to-Side Reg Disable	Custom Paper 057	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-058	Side-to-Side Reg Disable	Custom Paper 058	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-059	Side-to-Side Reg Disable	Custom Paper 059	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-	Side-to-Side Reg Disable	Custom Paper 060	ENG	[0 to 2 / 0 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060				0: Enable 1: Disable 2: Jam Detection OFF
1-957-061	Side-to-Side Reg Disable	Custom Paper 061	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-062	Side-to-Side Reg Disable	Custom Paper 062	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-063	Side-to-Side Reg Disable	Custom Paper 063	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-064	Side-to-Side Reg Disable	Custom Paper 064	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-065	Side-to-Side Reg Disable	Custom Paper 065	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-066	Side-to-Side Reg Disable	Custom Paper 066	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-067	Side-to-Side Reg Disable	Custom Paper 067	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: Jam Detection OFF
1-957-068	Side-to-Side Reg Disable	Custom Paper 068	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-069	Side-to-Side Reg Disable	Custom Paper 069	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-070	Side-to-Side Reg Disable	Custom Paper 070	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-071	Side-to-Side Reg Disable	Custom Paper 071	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-072	Side-to-Side Reg Disable	Custom Paper 072	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-073	Side-to-Side Reg Disable	Custom Paper 073	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-074	Side-to-Side Reg Disable	Custom Paper 074	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-075	Side-to-Side Reg Disable	Custom Paper 075	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-076	Side-to-Side Reg Disable	Custom Paper 076	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-077	Side-to-Side Reg Disable	Custom Paper 077	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-078	Side-to-Side Reg Disable	Custom Paper 078	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-079	Side-to-Side Reg Disable	Custom Paper 079	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-080	Side-to-Side Reg Disable	Custom Paper 080	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-081	Side-to-Side Reg Disable	Custom Paper 081	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-082	Side-to-Side Reg Disable	Custom Paper 082	ENG	[0 to 2 / 0 / 1-] 0: Enable

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Disable 2: Jam Detection OFF
1-957-083	Side-to-Side Reg Disable	Custom Paper 083	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-084	Side-to-Side Reg Disable	Custom Paper 084	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-085	Side-to-Side Reg Disable	Custom Paper 085	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-086	Side-to-Side Reg Disable	Custom Paper 086	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-087	Side-to-Side Reg Disable	Custom Paper 087	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-088	Side-to-Side Reg Disable	Custom Paper 088	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-089	Side-to-Side Reg Disable	Custom Paper 089	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				OFF
1-957-090	Side-to-Side Reg Disable	Custom Paper 090	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-091	Side-to-Side Reg Disable	Custom Paper 091	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-092	Side-to-Side Reg Disable	Custom Paper 092	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-093	Side-to-Side Reg Disable	Custom Paper 093	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-094	Side-to-Side Reg Disable	Custom Paper 094	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-095	Side-to-Side Reg Disable	Custom Paper 095	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-096	Side-to-Side Reg Disable	Custom Paper 096	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-	Side-to-Side Reg Disable	Custom Paper 097	ENG	[0 to 2 / 0 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
097				0: Enable 1: Disable 2: Jam Detection OFF
1-957-098	Side-to-Side Reg Disable	Custom Paper 098	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-099	Side-to-Side Reg Disable	Custom Paper 099	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-957-100	Side-to-Side Reg Disable	Custom Paper 100	ENG	[0 to 2 / 0 / 1-] 0: Enable 1: Disable 2: Jam Detection OFF
1-958-001	Subscan Reg Jam Detect	Custom Paper 001	ENG	[0 to 1 / 1 / 1-]
1-958-002	Subscan Reg Jam Detect	Custom Paper 002	ENG	[0 to 1 / 1 / 1-]
1-958-003	Subscan Reg Jam Detect	Custom Paper 003	ENG	[0 to 1 / 1 / 1-]
1-958-004	Subscan Reg Jam Detect	Custom Paper 004	ENG	[0 to 1 / 1 / 1-]
1-958-005	Subscan Reg Jam Detect	Custom Paper 005	ENG	[0 to 1 / 1 / 1-]
1-958-006	Subscan Reg Jam Detect	Custom Paper 006	ENG	[0 to 1 / 1 / 1-]
1-958-007	Subscan Reg Jam Detect	Custom Paper 007	ENG	[0 to 1 / 1 / 1-]
1-958-008	Subscan Reg Jam Detect	Custom Paper 008	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 009	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
1-958-010	Subscan Reg Jam Detect	Custom Paper 010	ENG	[0 to 1 / 1 / 1-]
1-958-011	Subscan Reg Jam Detect	Custom Paper 011	ENG	[0 to 1 / 1 / 1-]
1-958-012	Subscan Reg Jam Detect	Custom Paper 012	ENG	[0 to 1 / 1 / 1-]
1-958-013	Subscan Reg Jam Detect	Custom Paper 013	ENG	[0 to 1 / 1 / 1-]
1-958-014	Subscan Reg Jam Detect	Custom Paper 014	ENG	[0 to 1 / 1 / 1-]
1-958-015	Subscan Reg Jam Detect	Custom Paper 015	ENG	[0 to 1 / 1 / 1-]
1-958-016	Subscan Reg Jam Detect	Custom Paper 016	ENG	[0 to 1 / 1 / 1-]
1-958-017	Subscan Reg Jam Detect	Custom Paper 017	ENG	[0 to 1 / 1 / 1-]
1-958-018	Subscan Reg Jam Detect	Custom Paper 018	ENG	[0 to 1 / 1 / 1-]
1-958-019	Subscan Reg Jam Detect	Custom Paper 019	ENG	[0 to 1 / 1 / 1-]
1-958-020	Subscan Reg Jam Detect	Custom Paper 020	ENG	[0 to 1 / 1 / 1-]
1-958-021	Subscan Reg Jam Detect	Custom Paper 021	ENG	[0 to 1 / 1 / 1-]
1-958-022	Subscan Reg Jam Detect	Custom Paper 022	ENG	[0 to 1 / 1 / 1-]
1-958-023	Subscan Reg Jam Detect	Custom Paper 023	ENG	[0 to 1 / 1 / 1-]
1-958-024	Subscan Reg Jam Detect	Custom Paper 024	ENG	[0 to 1 / 1 / 1-]
1-958-025	Subscan Reg Jam Detect	Custom Paper 025	ENG	[0 to 1 / 1 / 1-]
1-958-026	Subscan Reg Jam Detect	Custom Paper 026	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 027	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
027				
1-958-028	Subscan Reg Jam Detect	Custom Paper 028	ENG	[0 to 1 / 1 / 1-]
1-958-029	Subscan Reg Jam Detect	Custom Paper 029	ENG	[0 to 1 / 1 / 1-]
1-958-030	Subscan Reg Jam Detect	Custom Paper 030	ENG	[0 to 1 / 1 / 1-]
1-958-031	Subscan Reg Jam Detect	Custom Paper 031	ENG	[0 to 1 / 1 / 1-]
1-958-032	Subscan Reg Jam Detect	Custom Paper 032	ENG	[0 to 1 / 1 / 1-]
1-958-033	Subscan Reg Jam Detect	Custom Paper 033	ENG	[0 to 1 / 1 / 1-]
1-958-034	Subscan Reg Jam Detect	Custom Paper 034	ENG	[0 to 1 / 1 / 1-]
1-958-035	Subscan Reg Jam Detect	Custom Paper 035	ENG	[0 to 1 / 1 / 1-]
1-958-036	Subscan Reg Jam Detect	Custom Paper 036	ENG	[0 to 1 / 1 / 1-]
1-958-037	Subscan Reg Jam Detect	Custom Paper 037	ENG	[0 to 1 / 1 / 1-]
1-958-038	Subscan Reg Jam Detect	Custom Paper 038	ENG	[0 to 1 / 1 / 1-]
1-958-039	Subscan Reg Jam Detect	Custom Paper 039	ENG	[0 to 1 / 1 / 1-]
1-958-040	Subscan Reg Jam Detect	Custom Paper 040	ENG	[0 to 1 / 1 / 1-]
1-958-041	Subscan Reg Jam Detect	Custom Paper 041	ENG	[0 to 1 / 1 / 1-]
1-958-042	Subscan Reg Jam Detect	Custom Paper 042	ENG	[0 to 1 / 1 / 1-]
1-958-043	Subscan Reg Jam Detect	Custom Paper 043	ENG	[0 to 1 / 1 / 1-]
1-958-044	Subscan Reg Jam Detect	Custom Paper 044	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 045	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
045				
1-958-046	Subscan Reg Jam Detect	Custom Paper 046	ENG	[0 to 1 / 1 / 1-]
1-958-047	Subscan Reg Jam Detect	Custom Paper 047	ENG	[0 to 1 / 1 / 1-]
1-958-048	Subscan Reg Jam Detect	Custom Paper 048	ENG	[0 to 1 / 1 / 1-]
1-958-049	Subscan Reg Jam Detect	Custom Paper 049	ENG	[0 to 1 / 1 / 1-]
1-958-050	Subscan Reg Jam Detect	Custom Paper 050	ENG	[0 to 1 / 1 / 1-]
1-958-051	Subscan Reg Jam Detect	Custom Paper 051	ENG	[0 to 1 / 1 / 1-]
1-958-052	Subscan Reg Jam Detect	Custom Paper 052	ENG	[0 to 1 / 1 / 1-]
1-958-053	Subscan Reg Jam Detect	Custom Paper 053	ENG	[0 to 1 / 1 / 1-]
1-958-054	Subscan Reg Jam Detect	Custom Paper 054	ENG	[0 to 1 / 1 / 1-]
1-958-055	Subscan Reg Jam Detect	Custom Paper 055	ENG	[0 to 1 / 1 / 1-]
1-958-056	Subscan Reg Jam Detect	Custom Paper 056	ENG	[0 to 1 / 1 / 1-]
1-958-057	Subscan Reg Jam Detect	Custom Paper 057	ENG	[0 to 1 / 1 / 1-]
1-958-058	Subscan Reg Jam Detect	Custom Paper 058	ENG	[0 to 1 / 1 / 1-]
1-958-059	Subscan Reg Jam Detect	Custom Paper 059	ENG	[0 to 1 / 1 / 1-]
1-958-060	Subscan Reg Jam Detect	Custom Paper 060	ENG	[0 to 1 / 1 / 1-]
1-958-061	Subscan Reg Jam Detect	Custom Paper 061	ENG	[0 to 1 / 1 / 1-]
1-958-062	Subscan Reg Jam Detect	Custom Paper 062	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 063	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
063				
1-958-064	Subscan Reg Jam Detect	Custom Paper 064	ENG	[0 to 1 / 1 / 1-]
1-958-065	Subscan Reg Jam Detect	Custom Paper 065	ENG	[0 to 1 / 1 / 1-]
1-958-066	Subscan Reg Jam Detect	Custom Paper 066	ENG	[0 to 1 / 1 / 1-]
1-958-067	Subscan Reg Jam Detect	Custom Paper 067	ENG	[0 to 1 / 1 / 1-]
1-958-068	Subscan Reg Jam Detect	Custom Paper 068	ENG	[0 to 1 / 1 / 1-]
1-958-069	Subscan Reg Jam Detect	Custom Paper 069	ENG	[0 to 1 / 1 / 1-]
1-958-070	Subscan Reg Jam Detect	Custom Paper 070	ENG	[0 to 1 / 1 / 1-]
1-958-071	Subscan Reg Jam Detect	Custom Paper 071	ENG	[0 to 1 / 1 / 1-]
1-958-072	Subscan Reg Jam Detect	Custom Paper 072	ENG	[0 to 1 / 1 / 1-]
1-958-073	Subscan Reg Jam Detect	Custom Paper 073	ENG	[0 to 1 / 1 / 1-]
1-958-074	Subscan Reg Jam Detect	Custom Paper 074	ENG	[0 to 1 / 1 / 1-]
1-958-075	Subscan Reg Jam Detect	Custom Paper 075	ENG	[0 to 1 / 1 / 1-]
1-958-076	Subscan Reg Jam Detect	Custom Paper 076	ENG	[0 to 1 / 1 / 1-]
1-958-077	Subscan Reg Jam Detect	Custom Paper 077	ENG	[0 to 1 / 1 / 1-]
1-958-078	Subscan Reg Jam Detect	Custom Paper 078	ENG	[0 to 1 / 1 / 1-]
1-958-079	Subscan Reg Jam Detect	Custom Paper 079	ENG	[0 to 1 / 1 / 1-]
1-958-080	Subscan Reg Jam Detect	Custom Paper 080	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 081	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
081				
1-958-082	Subscan Reg Jam Detect	Custom Paper 082	ENG	[0 to 1 / 1 / 1-]
1-958-083	Subscan Reg Jam Detect	Custom Paper 083	ENG	[0 to 1 / 1 / 1-]
1-958-084	Subscan Reg Jam Detect	Custom Paper 084	ENG	[0 to 1 / 1 / 1-]
1-958-085	Subscan Reg Jam Detect	Custom Paper 085	ENG	[0 to 1 / 1 / 1-]
1-958-086	Subscan Reg Jam Detect	Custom Paper 086	ENG	[0 to 1 / 1 / 1-]
1-958-087	Subscan Reg Jam Detect	Custom Paper 087	ENG	[0 to 1 / 1 / 1-]
1-958-088	Subscan Reg Jam Detect	Custom Paper 088	ENG	[0 to 1 / 1 / 1-]
1-958-089	Subscan Reg Jam Detect	Custom Paper 089	ENG	[0 to 1 / 1 / 1-]
1-958-090	Subscan Reg Jam Detect	Custom Paper 090	ENG	[0 to 1 / 1 / 1-]
1-958-091	Subscan Reg Jam Detect	Custom Paper 091	ENG	[0 to 1 / 1 / 1-]
1-958-092	Subscan Reg Jam Detect	Custom Paper 092	ENG	[0 to 1 / 1 / 1-]
1-958-093	Subscan Reg Jam Detect	Custom Paper 093	ENG	[0 to 1 / 1 / 1-]
1-958-094	Subscan Reg Jam Detect	Custom Paper 094	ENG	[0 to 1 / 1 / 1-]
1-958-095	Subscan Reg Jam Detect	Custom Paper 095	ENG	[0 to 1 / 1 / 1-]
1-958-096	Subscan Reg Jam Detect	Custom Paper 096	ENG	[0 to 1 / 1 / 1-]
1-958-097	Subscan Reg Jam Detect	Custom Paper 097	ENG	[0 to 1 / 1 / 1-]
1-958-098	Subscan Reg Jam Detect	Custom Paper 098	ENG	[0 to 1 / 1 / 1-]
1-958-	Subscan Reg Jam Detect	Custom Paper 099	ENG	[0 to 1 / 1 / 1-]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
099				
1-958-100	Subscan Reg Jam Detect	Custom Paper 100	ENG	[0 to 1 / 1 / 1-]
1-959-001	Line Speed Adjust:Default Pos	Custom Paper 001	ENG	[-25 to 125 / 20 / 0.5%]
1-959-002	Line Speed Adjust:Default Pos	Custom Paper 002	ENG	[-25 to 125 / 20 / 0.5%]
1-959-003	Line Speed Adjust:Default Pos	Custom Paper 003	ENG	[-25 to 125 / 20 / 0.5%]
1-959-004	Line Speed Adjust:Default Pos	Custom Paper 004	ENG	[-25 to 125 / 20 / 0.5%]
1-959-005	Line Speed Adjust:Default Pos	Custom Paper 005	ENG	[-25 to 125 / 20 / 0.5%]
1-959-006	Line Speed Adjust:Default Pos	Custom Paper 006	ENG	[-25 to 125 / 20 / 0.5%]
1-959-007	Line Speed Adjust:Default Pos	Custom Paper 007	ENG	[-25 to 125 / 20 / 0.5%]
1-959-008	Line Speed Adjust:Default Pos	Custom Paper 008	ENG	[-25 to 125 / 20 / 0.5%]
1-959-009	Line Speed Adjust:Default Pos	Custom Paper 009	ENG	[-25 to 125 / 20 / 0.5%]
1-959-010	Line Speed Adjust:Default Pos	Custom Paper 010	ENG	[-25 to 125 / 20 / 0.5%]
1-959-011	Line Speed Adjust:Default Pos	Custom Paper 011	ENG	[-25 to 125 / 20 / 0.5%]
1-959-012	Line Speed Adjust:Default Pos	Custom Paper 012	ENG	[-25 to 125 / 20 / 0.5%]
1-959-013	Line Speed Adjust:Default Pos	Custom Paper 013	ENG	[-25 to 125 / 20 / 0.5%]
1-959-014	Line Speed Adjust:Default Pos	Custom Paper 014	ENG	[-25 to 125 / 20 / 0.5%]
1-959-015	Line Speed Adjust:Default Pos	Custom Paper 015	ENG	[-25 to 125 / 20 / 0.5%]
1-959-016	Line Speed Adjust:Default Pos	Custom Paper 016	ENG	[-25 to 125 / 20 / 0.5%]
1-959-	Line Speed Adjust:Default	Custom Paper 017	ENG	[-25 to 125 / 20 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	Pos			0.5%]
1-959-018	Line Speed Adjust:Default Pos	Custom Paper 018	ENG	[-25 to 125 / 20 / 0.5%]
1-959-019	Line Speed Adjust:Default Pos	Custom Paper 019	ENG	[-25 to 125 / 20 / 0.5%]
1-959-020	Line Speed Adjust:Default Pos	Custom Paper 020	ENG	[-25 to 125 / 20 / 0.5%]
1-959-021	Line Speed Adjust:Default Pos	Custom Paper 021	ENG	[-25 to 125 / 20 / 0.5%]
1-959-022	Line Speed Adjust:Default Pos	Custom Paper 022	ENG	[-25 to 125 / 20 / 0.5%]
1-959-023	Line Speed Adjust:Default Pos	Custom Paper 023	ENG	[-25 to 125 / 20 / 0.5%]
1-959-024	Line Speed Adjust:Default Pos	Custom Paper 024	ENG	[-25 to 125 / 20 / 0.5%]
1-959-025	Line Speed Adjust:Default Pos	Custom Paper 025	ENG	[-25 to 125 / 20 / 0.5%]
1-959-026	Line Speed Adjust:Default Pos	Custom Paper 026	ENG	[-25 to 125 / 20 / 0.5%]
1-959-027	Line Speed Adjust:Default Pos	Custom Paper 027	ENG	[-25 to 125 / 20 / 0.5%]
1-959-028	Line Speed Adjust:Default Pos	Custom Paper 028	ENG	[-25 to 125 / 20 / 0.5%]
1-959-029	Line Speed Adjust:Default Pos	Custom Paper 029	ENG	[-25 to 125 / 20 / 0.5%]
1-959-030	Line Speed Adjust:Default Pos	Custom Paper 030	ENG	[-25 to 125 / 20 / 0.5%]
1-959-031	Line Speed Adjust:Default Pos	Custom Paper 031	ENG	[-25 to 125 / 20 / 0.5%]
1-959-032	Line Speed Adjust:Default Pos	Custom Paper 032	ENG	[-25 to 125 / 20 / 0.5%]
1-959-033	Line Speed Adjust:Default Pos	Custom Paper 033	ENG	[-25 to 125 / 20 / 0.5%]
1-959-034	Line Speed Adjust:Default Pos	Custom Paper 034	ENG	[-25 to 125 / 20 / 0.5%]
1-959-	Line Speed Adjust:Default	Custom Paper 035	ENG	[-25 to 125 / 20 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	Pos			0.5%]
1-959-036	Line Speed Adjust:Default Pos	Custom Paper 036	ENG	[-25 to 125 / 20 / 0.5%]
1-959-037	Line Speed Adjust:Default Pos	Custom Paper 037	ENG	[-25 to 125 / 20 / 0.5%]
1-959-038	Line Speed Adjust:Default Pos	Custom Paper 038	ENG	[-25 to 125 / 20 / 0.5%]
1-959-039	Line Speed Adjust:Default Pos	Custom Paper 039	ENG	[-25 to 125 / 20 / 0.5%]
1-959-040	Line Speed Adjust:Default Pos	Custom Paper 040	ENG	[-25 to 125 / 20 / 0.5%]
1-959-041	Line Speed Adjust:Default Pos	Custom Paper 041	ENG	[-25 to 125 / 20 / 0.5%]
1-959-042	Line Speed Adjust:Default Pos	Custom Paper 042	ENG	[-25 to 125 / 20 / 0.5%]
1-959-043	Line Speed Adjust:Default Pos	Custom Paper 043	ENG	[-25 to 125 / 20 / 0.5%]
1-959-044	Line Speed Adjust:Default Pos	Custom Paper 044	ENG	[-25 to 125 / 20 / 0.5%]
1-959-045	Line Speed Adjust:Default Pos	Custom Paper 045	ENG	[-25 to 125 / 20 / 0.5%]
1-959-046	Line Speed Adjust:Default Pos	Custom Paper 046	ENG	[-25 to 125 / 20 / 0.5%]
1-959-047	Line Speed Adjust:Default Pos	Custom Paper 047	ENG	[-25 to 125 / 20 / 0.5%]
1-959-048	Line Speed Adjust:Default Pos	Custom Paper 048	ENG	[-25 to 125 / 20 / 0.5%]
1-959-049	Line Speed Adjust:Default Pos	Custom Paper 049	ENG	[-25 to 125 / 20 / 0.5%]
1-959-050	Line Speed Adjust:Default Pos	Custom Paper 050	ENG	[-25 to 125 / 20 / 0.5%]
1-959-051	Line Speed Adjust:Default Pos	Custom Paper 051	ENG	[-25 to 125 / 20 / 0.5%]
1-959-052	Line Speed Adjust:Default Pos	Custom Paper 052	ENG	[-25 to 125 / 20 / 0.5%]
1-959-	Line Speed Adjust:Default	Custom Paper 053	ENG	[-25 to 125 / 20 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	Pos			0.5%]
1-959-054	Line Speed Adjust:Default Pos	Custom Paper 054	ENG	[-25 to 125 / 20 / 0.5%]
1-959-055	Line Speed Adjust:Default Pos	Custom Paper 055	ENG	[-25 to 125 / 20 / 0.5%]
1-959-056	Line Speed Adjust:Default Pos	Custom Paper 056	ENG	[-25 to 125 / 20 / 0.5%]
1-959-057	Line Speed Adjust:Default Pos	Custom Paper 057	ENG	[-25 to 125 / 20 / 0.5%]
1-959-058	Line Speed Adjust:Default Pos	Custom Paper 058	ENG	[-25 to 125 / 20 / 0.5%]
1-959-059	Line Speed Adjust:Default Pos	Custom Paper 059	ENG	[-25 to 125 / 20 / 0.5%]
1-959-060	Line Speed Adjust:Default Pos	Custom Paper 060	ENG	[-25 to 125 / 20 / 0.5%]
1-959-061	Line Speed Adjust:Default Pos	Custom Paper 061	ENG	[-25 to 125 / 20 / 0.5%]
1-959-062	Line Speed Adjust:Default Pos	Custom Paper 062	ENG	[-25 to 125 / 20 / 0.5%]
1-959-063	Line Speed Adjust:Default Pos	Custom Paper 063	ENG	[-25 to 125 / 20 / 0.5%]
1-959-064	Line Speed Adjust:Default Pos	Custom Paper 064	ENG	[-25 to 125 / 20 / 0.5%]
1-959-065	Line Speed Adjust:Default Pos	Custom Paper 065	ENG	[-25 to 125 / 20 / 0.5%]
1-959-066	Line Speed Adjust:Default Pos	Custom Paper 066	ENG	[-25 to 125 / 20 / 0.5%]
1-959-067	Line Speed Adjust:Default Pos	Custom Paper 067	ENG	[-25 to 125 / 20 / 0.5%]
1-959-068	Line Speed Adjust:Default Pos	Custom Paper 068	ENG	[-25 to 125 / 20 / 0.5%]
1-959-069	Line Speed Adjust:Default Pos	Custom Paper 069	ENG	[-25 to 125 / 20 / 0.5%]
1-959-070	Line Speed Adjust:Default Pos	Custom Paper 070	ENG	[-25 to 125 / 20 / 0.5%]
1-959-	Line Speed Adjust:Default	Custom Paper 071	ENG	[-25 to 125 / 20 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	Pos			0.5%]
1-959-072	Line Speed Adjust:Default Pos	Custom Paper 072	ENG	[-25 to 125 / 20 / 0.5%]
1-959-073	Line Speed Adjust:Default Pos	Custom Paper 073	ENG	[-25 to 125 / 20 / 0.5%]
1-959-074	Line Speed Adjust:Default Pos	Custom Paper 074	ENG	[-25 to 125 / 20 / 0.5%]
1-959-075	Line Speed Adjust:Default Pos	Custom Paper 075	ENG	[-25 to 125 / 20 / 0.5%]
1-959-076	Line Speed Adjust:Default Pos	Custom Paper 076	ENG	[-25 to 125 / 20 / 0.5%]
1-959-077	Line Speed Adjust:Default Pos	Custom Paper 077	ENG	[-25 to 125 / 20 / 0.5%]
1-959-078	Line Speed Adjust:Default Pos	Custom Paper 078	ENG	[-25 to 125 / 20 / 0.5%]
1-959-079	Line Speed Adjust:Default Pos	Custom Paper 079	ENG	[-25 to 125 / 20 / 0.5%]
1-959-080	Line Speed Adjust:Default Pos	Custom Paper 080	ENG	[-25 to 125 / 20 / 0.5%]
1-959-081	Line Speed Adjust:Default Pos	Custom Paper 081	ENG	[-25 to 125 / 20 / 0.5%]
1-959-082	Line Speed Adjust:Default Pos	Custom Paper 082	ENG	[-25 to 125 / 20 / 0.5%]
1-959-083	Line Speed Adjust:Default Pos	Custom Paper 083	ENG	[-25 to 125 / 20 / 0.5%]
1-959-084	Line Speed Adjust:Default Pos	Custom Paper 084	ENG	[-25 to 125 / 20 / 0.5%]
1-959-085	Line Speed Adjust:Default Pos	Custom Paper 085	ENG	[-25 to 125 / 20 / 0.5%]
1-959-086	Line Speed Adjust:Default Pos	Custom Paper 086	ENG	[-25 to 125 / 20 / 0.5%]
1-959-087	Line Speed Adjust:Default Pos	Custom Paper 087	ENG	[-25 to 125 / 20 / 0.5%]
1-959-088	Line Speed Adjust:Default Pos	Custom Paper 088	ENG	[-25 to 125 / 20 / 0.5%]
1-959-	Line Speed Adjust:Default	Custom Paper 089	ENG	[-25 to 125 / 20 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	Pos			0.5%]
1-959-090	Line Speed Adjust:Default Pos	Custom Paper 090	ENG	[-25 to 125 / 20 / 0.5%]
1-959-091	Line Speed Adjust:Default Pos	Custom Paper 091	ENG	[-25 to 125 / 20 / 0.5%]
1-959-092	Line Speed Adjust:Default Pos	Custom Paper 092	ENG	[-25 to 125 / 20 / 0.5%]
1-959-093	Line Speed Adjust:Default Pos	Custom Paper 093	ENG	[-25 to 125 / 20 / 0.5%]
1-959-094	Line Speed Adjust:Default Pos	Custom Paper 094	ENG	[-25 to 125 / 20 / 0.5%]
1-959-095	Line Speed Adjust:Default Pos	Custom Paper 095	ENG	[-25 to 125 / 20 / 0.5%]
1-959-096	Line Speed Adjust:Default Pos	Custom Paper 096	ENG	[-25 to 125 / 20 / 0.5%]
1-959-097	Line Speed Adjust:Default Pos	Custom Paper 097	ENG	[-25 to 125 / 20 / 0.5%]
1-959-098	Line Speed Adjust:Default Pos	Custom Paper 098	ENG	[-25 to 125 / 20 / 0.5%]
1-959-099	Line Speed Adjust:Default Pos	Custom Paper 099	ENG	[-25 to 125 / 20 / 0.5%]
1-959-100	Line Speed Adjust:Default Pos	Custom Paper 100	ENG	[-25 to 125 / 20 / 0.5%]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-960-001	Line Speed Adjust:Pos.1	Custom Paper 001	ENG	[-25 to 125 / 50 / 0.5%]
1-960-002	Line Speed Adjust:Pos.1	Custom Paper 002	ENG	[-25 to 125 / 50 / 0.5%]
1-960-003	Line Speed Adjust:Pos.1	Custom Paper 003	ENG	[-25 to 125 / 50 / 0.5%]
1-960-004	Line Speed Adjust:Pos.1	Custom Paper 004	ENG	[-25 to 125 / 50 / 0.5%]
1-960-005	Line Speed Adjust:Pos.1	Custom Paper 005	ENG	[-25 to 125 / 50 / 0.5%]
1-960-006	Line Speed Adjust:Pos.1	Custom Paper 006	ENG	[-25 to 125 / 50 / 0.5%]
1-960-007	Line Speed Adjust:Pos.1	Custom Paper 007	ENG	[-25 to 125 / 50 / 0.5%]
1-960-008	Line Speed Adjust:Pos.1	Custom Paper 008	ENG	[-25 to 125 / 50 / 0.5%]
1-960-009	Line Speed Adjust:Pos.1	Custom Paper 009	ENG	[-25 to 125 / 50 / 0.5%]
1-960-010	Line Speed Adjust:Pos.1	Custom Paper 010	ENG	[-25 to 125 / 50 / 0.5%]
1-960-011	Line Speed Adjust:Pos.1	Custom Paper 011	ENG	[-25 to 125 / 50 / 0.5%]
1-960-012	Line Speed Adjust:Pos.1	Custom Paper 012	ENG	[-25 to 125 / 50 / 0.5%]
1-960-013	Line Speed Adjust:Pos.1	Custom Paper 013	ENG	[-25 to 125 / 50 / 0.5%]
1-960-014	Line Speed Adjust:Pos.1	Custom Paper 014	ENG	[-25 to 125 / 50 / 0.5%]
1-960-015	Line Speed Adjust:Pos.1	Custom Paper 015	ENG	[-25 to 125 / 50 / 0.5%]
1-960-016	Line Speed Adjust:Pos.1	Custom Paper 016	ENG	[-25 to 125 / 50 / 0.5%]
1-960-017	Line Speed Adjust:Pos.1	Custom Paper 017	ENG	[-25 to 125 / 50 / 0.5%]
1-960-018	Line Speed Adjust:Pos.1	Custom Paper 018	ENG	[-25 to 125 / 50 / 0.5%]
1-960-019	Line Speed Adjust:Pos.1	Custom Paper 019	ENG	[-25 to 125 / 50 / 0.5%]
1-960-020	Line Speed Adjust:Pos.1	Custom Paper 020	ENG	[-25 to 125 / 50 / 0.5%]
1-960-021	Line Speed Adjust:Pos.1	Custom Paper 021	ENG	[-25 to 125 / 50 / 0.5%]
1-960-022	Line Speed Adjust:Pos.1	Custom Paper 022	ENG	[-25 to 125 / 50 / 0.5%]
1-960-023	Line Speed Adjust:Pos.1	Custom Paper 023	ENG	[-25 to 125 / 50 / 0.5%]
1-960-024	Line Speed Adjust:Pos.1	Custom Paper 024	ENG	[-25 to 125 / 50 / 0.5%]
1-960-025	Line Speed Adjust:Pos.1	Custom Paper 025	ENG	[-25 to 125 / 50 / 0.5%]
1-960-026	Line Speed Adjust:Pos.1	Custom Paper 026	ENG	[-25 to 125 / 50 / 0.5%]
1-960-027	Line Speed Adjust:Pos.1	Custom Paper 027	ENG	[-25 to 125 / 50 / 0.5%]
1-960-028	Line Speed Adjust:Pos.1	Custom Paper 028	ENG	[-25 to 125 / 50 / 0.5%]
1-960-029	Line Speed Adjust:Pos.1	Custom Paper 029	ENG	[-25 to 125 / 50 / 0.5%]
1-960-030	Line Speed Adjust:Pos.1	Custom Paper 030	ENG	[-25 to 125 / 50 / 0.5%]
1-960-031	Line Speed Adjust:Pos.1	Custom Paper 031	ENG	[-25 to 125 / 50 / 0.5%]
1-960-032	Line Speed Adjust:Pos.1	Custom Paper 032	ENG	[-25 to 125 / 50 / 0.5%]
1-960-033	Line Speed Adjust:Pos.1	Custom Paper 033	ENG	[-25 to 125 / 50 / 0.5%]
1-960-034	Line Speed Adjust:Pos.1	Custom Paper 034	ENG	[-25 to 125 / 50 / 0.5%]
1-960-035	Line Speed Adjust:Pos.1	Custom Paper 035	ENG	[-25 to 125 / 50 / 0.5%]

1-960-036	Line Speed Adjust:Pos.1	Custom Paper 036	ENG	[-25 to 125 / 50 / 0.5%]
1-960-037	Line Speed Adjust:Pos.1	Custom Paper 037	ENG	[-25 to 125 / 50 / 0.5%]
1-960-038	Line Speed Adjust:Pos.1	Custom Paper 038	ENG	[-25 to 125 / 50 / 0.5%]
1-960-039	Line Speed Adjust:Pos.1	Custom Paper 039	ENG	[-25 to 125 / 50 / 0.5%]
1-960-040	Line Speed Adjust:Pos.1	Custom Paper 040	ENG	[-25 to 125 / 50 / 0.5%]
1-960-041	Line Speed Adjust:Pos.1	Custom Paper 041	ENG	[-25 to 125 / 50 / 0.5%]
1-960-042	Line Speed Adjust:Pos.1	Custom Paper 042	ENG	[-25 to 125 / 50 / 0.5%]
1-960-043	Line Speed Adjust:Pos.1	Custom Paper 043	ENG	[-25 to 125 / 50 / 0.5%]
1-960-044	Line Speed Adjust:Pos.1	Custom Paper 044	ENG	[-25 to 125 / 50 / 0.5%]
1-960-045	Line Speed Adjust:Pos.1	Custom Paper 045	ENG	[-25 to 125 / 50 / 0.5%]
1-960-046	Line Speed Adjust:Pos.1	Custom Paper 046	ENG	[-25 to 125 / 50 / 0.5%]
1-960-047	Line Speed Adjust:Pos.1	Custom Paper 047	ENG	[-25 to 125 / 50 / 0.5%]
1-960-048	Line Speed Adjust:Pos.1	Custom Paper 048	ENG	[-25 to 125 / 50 / 0.5%]
1-960-049	Line Speed Adjust:Pos.1	Custom Paper 049	ENG	[-25 to 125 / 50 / 0.5%]
1-960-050	Line Speed Adjust:Pos.1	Custom Paper 050	ENG	[-25 to 125 / 50 / 0.5%]
1-960-051	Line Speed Adjust:Pos.1	Custom Paper 051	ENG	[-25 to 125 / 50 / 0.5%]
1-960-052	Line Speed Adjust:Pos.1	Custom Paper 052	ENG	[-25 to 125 / 50 / 0.5%]
1-960-053	Line Speed Adjust:Pos.1	Custom Paper 053	ENG	[-25 to 125 / 50 / 0.5%]
1-960-054	Line Speed Adjust:Pos.1	Custom Paper 054	ENG	[-25 to 125 / 50 / 0.5%]
1-960-055	Line Speed Adjust:Pos.1	Custom Paper 055	ENG	[-25 to 125 / 50 / 0.5%]
1-960-056	Line Speed Adjust:Pos.1	Custom Paper 056	ENG	[-25 to 125 / 50 / 0.5%]
1-960-057	Line Speed Adjust:Pos.1	Custom Paper 057	ENG	[-25 to 125 / 50 / 0.5%]
1-960-058	Line Speed Adjust:Pos.1	Custom Paper 058	ENG	[-25 to 125 / 50 / 0.5%]
1-960-059	Line Speed Adjust:Pos.1	Custom Paper 059	ENG	[-25 to 125 / 50 / 0.5%]
1-960-060	Line Speed Adjust:Pos.1	Custom Paper 060	ENG	[-25 to 125 / 50 / 0.5%]
1-960-061	Line Speed Adjust:Pos.1	Custom Paper 061	ENG	[-25 to 125 / 50 / 0.5%]
1-960-062	Line Speed Adjust:Pos.1	Custom Paper 062	ENG	[-25 to 125 / 50 / 0.5%]
1-960-063	Line Speed Adjust:Pos.1	Custom Paper 063	ENG	[-25 to 125 / 50 / 0.5%]
1-960-064	Line Speed Adjust:Pos.1	Custom Paper 064	ENG	[-25 to 125 / 50 / 0.5%]
1-960-065	Line Speed Adjust:Pos.1	Custom Paper 065	ENG	[-25 to 125 / 50 / 0.5%]
1-960-066	Line Speed Adjust:Pos.1	Custom Paper 066	ENG	[-25 to 125 / 50 / 0.5%]
1-960-067	Line Speed Adjust:Pos.1	Custom Paper 067	ENG	[-25 to 125 / 50 / 0.5%]
1-960-068	Line Speed Adjust:Pos.1	Custom Paper 068	ENG	[-25 to 125 / 50 / 0.5%]
1-960-069	Line Speed Adjust:Pos.1	Custom Paper 069	ENG	[-25 to 125 / 50 / 0.5%]
1-960-070	Line Speed Adjust:Pos.1	Custom Paper 070	ENG	[-25 to 125 / 50 / 0.5%]
1-960-071	Line Speed Adjust:Pos.1	Custom Paper 071	ENG	[-25 to 125 / 50 / 0.5%]
1-960-072	Line Speed Adjust:Pos.1	Custom Paper 072	ENG	[-25 to 125 / 50 / 0.5%]
1-960-073	Line Speed Adjust:Pos.1	Custom Paper 073	ENG	[-25 to 125 / 50 / 0.5%]

1-960-074	Line Speed Adjust:Pos.1	Custom Paper 074	ENG	[-25 to 125 / 50 / 0.5%]
1-960-075	Line Speed Adjust:Pos.1	Custom Paper 075	ENG	[-25 to 125 / 50 / 0.5%]
1-960-076	Line Speed Adjust:Pos.1	Custom Paper 076	ENG	[-25 to 125 / 50 / 0.5%]
1-960-077	Line Speed Adjust:Pos.1	Custom Paper 077	ENG	[-25 to 125 / 50 / 0.5%]
1-960-078	Line Speed Adjust:Pos.1	Custom Paper 078	ENG	[-25 to 125 / 50 / 0.5%]
1-960-079	Line Speed Adjust:Pos.1	Custom Paper 079	ENG	[-25 to 125 / 50 / 0.5%]
1-960-080	Line Speed Adjust:Pos.1	Custom Paper 080	ENG	[-25 to 125 / 50 / 0.5%]
1-960-081	Line Speed Adjust:Pos.1	Custom Paper 081	ENG	[-25 to 125 / 50 / 0.5%]
1-960-082	Line Speed Adjust:Pos.1	Custom Paper 082	ENG	[-25 to 125 / 50 / 0.5%]
1-960-083	Line Speed Adjust:Pos.1	Custom Paper 083	ENG	[-25 to 125 / 50 / 0.5%]
1-960-084	Line Speed Adjust:Pos.1	Custom Paper 084	ENG	[-25 to 125 / 50 / 0.5%]
1-960-085	Line Speed Adjust:Pos.1	Custom Paper 085	ENG	[-25 to 125 / 50 / 0.5%]
1-960-086	Line Speed Adjust:Pos.1	Custom Paper 086	ENG	[-25 to 125 / 50 / 0.5%]
1-960-087	Line Speed Adjust:Pos.1	Custom Paper 087	ENG	[-25 to 125 / 50 / 0.5%]
1-960-088	Line Speed Adjust:Pos.1	Custom Paper 088	ENG	[-25 to 125 / 50 / 0.5%]
1-960-089	Line Speed Adjust:Pos.1	Custom Paper 089	ENG	[-25 to 125 / 50 / 0.5%]
1-960-090	Line Speed Adjust:Pos.1	Custom Paper 090	ENG	[-25 to 125 / 50 / 0.5%]
1-960-091	Line Speed Adjust:Pos.1	Custom Paper 091	ENG	[-25 to 125 / 50 / 0.5%]
1-960-092	Line Speed Adjust:Pos.1	Custom Paper 092	ENG	[-25 to 125 / 50 / 0.5%]
1-960-093	Line Speed Adjust:Pos.1	Custom Paper 093	ENG	[-25 to 125 / 50 / 0.5%]
1-960-094	Line Speed Adjust:Pos.1	Custom Paper 094	ENG	[-25 to 125 / 50 / 0.5%]
1-960-095	Line Speed Adjust:Pos.1	Custom Paper 095	ENG	[-25 to 125 / 50 / 0.5%]
1-960-096	Line Speed Adjust:Pos.1	Custom Paper 096	ENG	[-25 to 125 / 50 / 0.5%]
1-960-097	Line Speed Adjust:Pos.1	Custom Paper 097	ENG	[-25 to 125 / 50 / 0.5%]
1-960-098	Line Speed Adjust:Pos.1	Custom Paper 098	ENG	[-25 to 125 / 50 / 0.5%]
1-960-099	Line Speed Adjust:Pos.1	Custom Paper 099	ENG	[-25 to 125 / 50 / 0.5%]
1-960-100	Line Speed Adjust:Pos.1	Custom Paper 100	ENG	[-25 to 125 / 50 / 0.5%]
1-961-001	Line Speed Adjust:Pos.2	Custom Paper 001	ENG	[-25 to 125 / 55 / 0.5%]
1-961-002	Line Speed Adjust:Pos.2	Custom Paper 002	ENG	[-25 to 125 / 55 / 0.5%]
1-961-003	Line Speed Adjust:Pos.2	Custom Paper 003	ENG	[-25 to 125 / 55 / 0.5%]
1-961-004	Line Speed Adjust:Pos.2	Custom Paper 004	ENG	[-25 to 125 / 55 / 0.5%]
1-961-005	Line Speed Adjust:Pos.2	Custom Paper 005	ENG	[-25 to 125 / 55 / 0.5%]
1-961-006	Line Speed Adjust:Pos.2	Custom Paper 006	ENG	[-25 to 125 / 55 / 0.5%]
1-961-007	Line Speed Adjust:Pos.2	Custom Paper 007	ENG	[-25 to 125 / 55 / 0.5%]
1-961-008	Line Speed Adjust:Pos.2	Custom Paper 008	ENG	[-25 to 125 / 55 / 0.5%]
1-961-009	Line Speed Adjust:Pos.2	Custom Paper 009	ENG	[-25 to 125 / 55 / 0.5%]
1-961-010	Line Speed Adjust:Pos.2	Custom Paper 010	ENG	[-25 to 125 / 55 / 0.5%]
1-961-011	Line Speed Adjust:Pos.2	Custom Paper 011	ENG	[-25 to 125 / 55 / 0.5%]

1-961-012	Line Speed Adjust:Pos.2	Custom Paper 012	ENG	[-25 to 125 / 55 / 0.5%]
1-961-013	Line Speed Adjust:Pos.2	Custom Paper 013	ENG	[-25 to 125 / 55 / 0.5%]
1-961-014	Line Speed Adjust:Pos.2	Custom Paper 014	ENG	[-25 to 125 / 55 / 0.5%]
1-961-015	Line Speed Adjust:Pos.2	Custom Paper 015	ENG	[-25 to 125 / 55 / 0.5%]
1-961-016	Line Speed Adjust:Pos.2	Custom Paper 016	ENG	[-25 to 125 / 55 / 0.5%]
1-961-017	Line Speed Adjust:Pos.2	Custom Paper 017	ENG	[-25 to 125 / 55 / 0.5%]
1-961-018	Line Speed Adjust:Pos.2	Custom Paper 018	ENG	[-25 to 125 / 55 / 0.5%]
1-961-019	Line Speed Adjust:Pos.2	Custom Paper 019	ENG	[-25 to 125 / 55 / 0.5%]
1-961-020	Line Speed Adjust:Pos.2	Custom Paper 020	ENG	[-25 to 125 / 55 / 0.5%]
1-961-021	Line Speed Adjust:Pos.2	Custom Paper 021	ENG	[-25 to 125 / 55 / 0.5%]
1-961-022	Line Speed Adjust:Pos.2	Custom Paper 022	ENG	[-25 to 125 / 55 / 0.5%]
1-961-023	Line Speed Adjust:Pos.2	Custom Paper 023	ENG	[-25 to 125 / 55 / 0.5%]
1-961-024	Line Speed Adjust:Pos.2	Custom Paper 024	ENG	[-25 to 125 / 55 / 0.5%]
1-961-025	Line Speed Adjust:Pos.2	Custom Paper 025	ENG	[-25 to 125 / 55 / 0.5%]
1-961-026	Line Speed Adjust:Pos.2	Custom Paper 026	ENG	[-25 to 125 / 55 / 0.5%]
1-961-027	Line Speed Adjust:Pos.2	Custom Paper 027	ENG	[-25 to 125 / 55 / 0.5%]
1-961-028	Line Speed Adjust:Pos.2	Custom Paper 028	ENG	[-25 to 125 / 55 / 0.5%]
1-961-029	Line Speed Adjust:Pos.2	Custom Paper 029	ENG	[-25 to 125 / 55 / 0.5%]
1-961-030	Line Speed Adjust:Pos.2	Custom Paper 030	ENG	[-25 to 125 / 55 / 0.5%]
1-961-031	Line Speed Adjust:Pos.2	Custom Paper 031	ENG	[-25 to 125 / 55 / 0.5%]
1-961-032	Line Speed Adjust:Pos.2	Custom Paper 032	ENG	[-25 to 125 / 55 / 0.5%]
1-961-033	Line Speed Adjust:Pos.2	Custom Paper 033	ENG	[-25 to 125 / 55 / 0.5%]
1-961-034	Line Speed Adjust:Pos.2	Custom Paper 034	ENG	[-25 to 125 / 55 / 0.5%]
1-961-035	Line Speed Adjust:Pos.2	Custom Paper 035	ENG	[-25 to 125 / 55 / 0.5%]
1-961-036	Line Speed Adjust:Pos.2	Custom Paper 036	ENG	[-25 to 125 / 55 / 0.5%]
1-961-037	Line Speed Adjust:Pos.2	Custom Paper 037	ENG	[-25 to 125 / 55 / 0.5%]
1-961-038	Line Speed Adjust:Pos.2	Custom Paper 038	ENG	[-25 to 125 / 55 / 0.5%]
1-961-039	Line Speed Adjust:Pos.2	Custom Paper 039	ENG	[-25 to 125 / 55 / 0.5%]
1-961-040	Line Speed Adjust:Pos.2	Custom Paper 040	ENG	[-25 to 125 / 55 / 0.5%]
1-961-041	Line Speed Adjust:Pos.2	Custom Paper 041	ENG	[-25 to 125 / 55 / 0.5%]
1-961-042	Line Speed Adjust:Pos.2	Custom Paper 042	ENG	[-25 to 125 / 55 / 0.5%]
1-961-043	Line Speed Adjust:Pos.2	Custom Paper 043	ENG	[-25 to 125 / 55 / 0.5%]
1-961-044	Line Speed Adjust:Pos.2	Custom Paper 044	ENG	[-25 to 125 / 55 / 0.5%]
1-961-045	Line Speed Adjust:Pos.2	Custom Paper 045	ENG	[-25 to 125 / 55 / 0.5%]
1-961-046	Line Speed Adjust:Pos.2	Custom Paper 046	ENG	[-25 to 125 / 55 / 0.5%]
1-961-047	Line Speed Adjust:Pos.2	Custom Paper 047	ENG	[-25 to 125 / 55 / 0.5%]
1-961-048	Line Speed Adjust:Pos.2	Custom Paper 048	ENG	[-25 to 125 / 55 / 0.5%]
1-961-049	Line Speed Adjust:Pos.2	Custom Paper 049	ENG	[-25 to 125 / 55 / 0.5%]

1-961-050	Line Speed Adjust:Pos.2	Custom Paper 050	ENG	[-25 to 125 / 55 / 0.5%]
1-961-051	Line Speed Adjust:Pos.2	Custom Paper 051	ENG	[-25 to 125 / 55 / 0.5%]
1-961-052	Line Speed Adjust:Pos.2	Custom Paper 052	ENG	[-25 to 125 / 55 / 0.5%]
1-961-053	Line Speed Adjust:Pos.2	Custom Paper 053	ENG	[-25 to 125 / 55 / 0.5%]
1-961-054	Line Speed Adjust:Pos.2	Custom Paper 054	ENG	[-25 to 125 / 55 / 0.5%]
1-961-055	Line Speed Adjust:Pos.2	Custom Paper 055	ENG	[-25 to 125 / 55 / 0.5%]
1-961-056	Line Speed Adjust:Pos.2	Custom Paper 056	ENG	[-25 to 125 / 55 / 0.5%]
1-961-057	Line Speed Adjust:Pos.2	Custom Paper 057	ENG	[-25 to 125 / 55 / 0.5%]
1-961-058	Line Speed Adjust:Pos.2	Custom Paper 058	ENG	[-25 to 125 / 55 / 0.5%]
1-961-059	Line Speed Adjust:Pos.2	Custom Paper 059	ENG	[-25 to 125 / 55 / 0.5%]
1-961-060	Line Speed Adjust:Pos.2	Custom Paper 060	ENG	[-25 to 125 / 55 / 0.5%]
1-961-061	Line Speed Adjust:Pos.2	Custom Paper 061	ENG	[-25 to 125 / 55 / 0.5%]
1-961-062	Line Speed Adjust:Pos.2	Custom Paper 062	ENG	[-25 to 125 / 55 / 0.5%]
1-961-063	Line Speed Adjust:Pos.2	Custom Paper 063	ENG	[-25 to 125 / 55 / 0.5%]
1-961-064	Line Speed Adjust:Pos.2	Custom Paper 064	ENG	[-25 to 125 / 55 / 0.5%]
1-961-065	Line Speed Adjust:Pos.2	Custom Paper 065	ENG	[-25 to 125 / 55 / 0.5%]
1-961-066	Line Speed Adjust:Pos.2	Custom Paper 066	ENG	[-25 to 125 / 55 / 0.5%]
1-961-067	Line Speed Adjust:Pos.2	Custom Paper 067	ENG	[-25 to 125 / 55 / 0.5%]
1-961-068	Line Speed Adjust:Pos.2	Custom Paper 068	ENG	[-25 to 125 / 55 / 0.5%]
1-961-069	Line Speed Adjust:Pos.2	Custom Paper 069	ENG	[-25 to 125 / 55 / 0.5%]
1-961-070	Line Speed Adjust:Pos.2	Custom Paper 070	ENG	[-25 to 125 / 55 / 0.5%]
1-961-071	Line Speed Adjust:Pos.2	Custom Paper 071	ENG	[-25 to 125 / 55 / 0.5%]
1-961-072	Line Speed Adjust:Pos.2	Custom Paper 072	ENG	[-25 to 125 / 55 / 0.5%]
1-961-073	Line Speed Adjust:Pos.2	Custom Paper 073	ENG	[-25 to 125 / 55 / 0.5%]
1-961-074	Line Speed Adjust:Pos.2	Custom Paper 074	ENG	[-25 to 125 / 55 / 0.5%]
1-961-075	Line Speed Adjust:Pos.2	Custom Paper 075	ENG	[-25 to 125 / 55 / 0.5%]
1-961-076	Line Speed Adjust:Pos.2	Custom Paper 076	ENG	[-25 to 125 / 55 / 0.5%]
1-961-077	Line Speed Adjust:Pos.2	Custom Paper 077	ENG	[-25 to 125 / 55 / 0.5%]
1-961-078	Line Speed Adjust:Pos.2	Custom Paper 078	ENG	[-25 to 125 / 55 / 0.5%]
1-961-079	Line Speed Adjust:Pos.2	Custom Paper 079	ENG	[-25 to 125 / 55 / 0.5%]
1-961-080	Line Speed Adjust:Pos.2	Custom Paper 080	ENG	[-25 to 125 / 55 / 0.5%]
1-961-081	Line Speed Adjust:Pos.2	Custom Paper 081	ENG	[-25 to 125 / 55 / 0.5%]
1-961-082	Line Speed Adjust:Pos.2	Custom Paper 082	ENG	[-25 to 125 / 55 / 0.5%]
1-961-083	Line Speed Adjust:Pos.2	Custom Paper 083	ENG	[-25 to 125 / 55 / 0.5%]
1-961-084	Line Speed Adjust:Pos.2	Custom Paper 084	ENG	[-25 to 125 / 55 / 0.5%]
1-961-085	Line Speed Adjust:Pos.2	Custom Paper 085	ENG	[-25 to 125 / 55 / 0.5%]
1-961-086	Line Speed Adjust:Pos.2	Custom Paper 086	ENG	[-25 to 125 / 55 / 0.5%]
1-961-087	Line Speed Adjust:Pos.2	Custom Paper 087	ENG	[-25 to 125 / 55 / 0.5%]

1-961-088	Line Speed Adjust:Pos.2	Custom Paper 088	ENG	[-25 to 125 / 55 / 0.5%]
1-961-089	Line Speed Adjust:Pos.2	Custom Paper 089	ENG	[-25 to 125 / 55 / 0.5%]
1-961-090	Line Speed Adjust:Pos.2	Custom Paper 090	ENG	[-25 to 125 / 55 / 0.5%]
1-961-091	Line Speed Adjust:Pos.2	Custom Paper 091	ENG	[-25 to 125 / 55 / 0.5%]
1-961-092	Line Speed Adjust:Pos.2	Custom Paper 092	ENG	[-25 to 125 / 55 / 0.5%]
1-961-093	Line Speed Adjust:Pos.2	Custom Paper 093	ENG	[-25 to 125 / 55 / 0.5%]
1-961-094	Line Speed Adjust:Pos.2	Custom Paper 094	ENG	[-25 to 125 / 55 / 0.5%]
1-961-095	Line Speed Adjust:Pos.2	Custom Paper 095	ENG	[-25 to 125 / 55 / 0.5%]
1-961-096	Line Speed Adjust:Pos.2	Custom Paper 096	ENG	[-25 to 125 / 55 / 0.5%]
1-961-097	Line Speed Adjust:Pos.2	Custom Paper 097	ENG	[-25 to 125 / 55 / 0.5%]
1-961-098	Line Speed Adjust:Pos.2	Custom Paper 098	ENG	[-25 to 125 / 55 / 0.5%]
1-961-099	Line Speed Adjust:Pos.2	Custom Paper 099	ENG	[-25 to 125 / 55 / 0.5%]
1-961-100	Line Speed Adjust:Pos.2	Custom Paper 100	ENG	[-25 to 125 / 55 / 0.5%]
1-962-001	Color Paper Adjustment	Custom Paper 001	ENG	[100 to 500 / 353 / 0.01-]
1-962-002	Color Paper Adjustment	Custom Paper 002	ENG	[100 to 500 / 353 / 0.01-]
1-962-003	Color Paper Adjustment	Custom Paper 003	ENG	[100 to 500 / 353 / 0.01-]
1-962-004	Color Paper Adjustment	Custom Paper 004	ENG	[100 to 500 / 353 / 0.01-]
1-962-005	Color Paper Adjustment	Custom Paper 005	ENG	[100 to 500 / 353 / 0.01-]
1-962-006	Color Paper Adjustment	Custom Paper 006	ENG	[100 to 500 / 353 / 0.01-]
1-962-007	Color Paper Adjustment	Custom Paper 007	ENG	[100 to 500 / 353 / 0.01-]
1-962-008	Color Paper Adjustment	Custom Paper 008	ENG	[100 to 500 / 353 / 0.01-]
1-962-009	Color Paper Adjustment	Custom Paper 009	ENG	[100 to 500 / 353 / 0.01-]
1-962-010	Color Paper Adjustment	Custom Paper 010	ENG	[100 to 500 / 353 / 0.01-]
1-962-011	Color Paper Adjustment	Custom Paper 011	ENG	[100 to 500 / 353 / 0.01-]
1-962-012	Color Paper Adjustment	Custom Paper 012	ENG	[100 to 500 / 353 / 0.01-]
1-962-013	Color Paper Adjustment	Custom Paper 013	ENG	[100 to 500 / 353 / 0.01-]
1-962-014	Color Paper Adjustment	Custom Paper 014	ENG	[100 to 500 / 353 / 0.01-]
1-962-015	Color Paper Adjustment	Custom Paper 015	ENG	[100 to 500 / 353 / 0.01-]
1-962-016	Color Paper Adjustment	Custom Paper 016	ENG	[100 to 500 / 353 / 0.01-]
1-962-017	Color Paper Adjustment	Custom Paper 017	ENG	[100 to 500 / 353 / 0.01-]
1-962-018	Color Paper Adjustment	Custom Paper 018	ENG	[100 to 500 / 353 / 0.01-]
1-962-019	Color Paper Adjustment	Custom Paper 019	ENG	[100 to 500 / 353 / 0.01-]
1-962-020	Color Paper Adjustment	Custom Paper 020	ENG	[100 to 500 / 353 / 0.01-]
1-962-021	Color Paper Adjustment	Custom Paper 021	ENG	[100 to 500 / 353 / 0.01-]
1-962-022	Color Paper Adjustment	Custom Paper 022	ENG	[100 to 500 / 353 / 0.01-]
1-962-023	Color Paper Adjustment	Custom Paper 023	ENG	[100 to 500 / 353 / 0.01-]
1-962-024	Color Paper Adjustment	Custom Paper 024	ENG	[100 to 500 / 353 / 0.01-]
1-962-025	Color Paper Adjustment	Custom Paper 025	ENG	[100 to 500 / 353 / 0.01-]

1-962-026	Color Paper Adjustment	Custom Paper 026	ENG	[100 to 500 / 353 / 0.01-]
1-962-027	Color Paper Adjustment	Custom Paper 027	ENG	[100 to 500 / 353 / 0.01-]
1-962-028	Color Paper Adjustment	Custom Paper 028	ENG	[100 to 500 / 353 / 0.01-]
1-962-029	Color Paper Adjustment	Custom Paper 029	ENG	[100 to 500 / 353 / 0.01-]
1-962-030	Color Paper Adjustment	Custom Paper 030	ENG	[100 to 500 / 353 / 0.01-]
1-962-031	Color Paper Adjustment	Custom Paper 031	ENG	[100 to 500 / 353 / 0.01-]
1-962-032	Color Paper Adjustment	Custom Paper 032	ENG	[100 to 500 / 353 / 0.01-]
1-962-033	Color Paper Adjustment	Custom Paper 033	ENG	[100 to 500 / 353 / 0.01-]
1-962-034	Color Paper Adjustment	Custom Paper 034	ENG	[100 to 500 / 353 / 0.01-]
1-962-035	Color Paper Adjustment	Custom Paper 035	ENG	[100 to 500 / 353 / 0.01-]
1-962-036	Color Paper Adjustment	Custom Paper 036	ENG	[100 to 500 / 353 / 0.01-]
1-962-037	Color Paper Adjustment	Custom Paper 037	ENG	[100 to 500 / 353 / 0.01-]
1-962-038	Color Paper Adjustment	Custom Paper 038	ENG	[100 to 500 / 353 / 0.01-]
1-962-039	Color Paper Adjustment	Custom Paper 039	ENG	[100 to 500 / 353 / 0.01-]
1-962-040	Color Paper Adjustment	Custom Paper 040	ENG	[100 to 500 / 353 / 0.01-]
1-962-041	Color Paper Adjustment	Custom Paper 041	ENG	[100 to 500 / 353 / 0.01-]
1-962-042	Color Paper Adjustment	Custom Paper 042	ENG	[100 to 500 / 353 / 0.01-]
1-962-043	Color Paper Adjustment	Custom Paper 043	ENG	[100 to 500 / 353 / 0.01-]
1-962-044	Color Paper Adjustment	Custom Paper 044	ENG	[100 to 500 / 353 / 0.01-]
1-962-045	Color Paper Adjustment	Custom Paper 045	ENG	[100 to 500 / 353 / 0.01-]
1-962-046	Color Paper Adjustment	Custom Paper 046	ENG	[100 to 500 / 353 / 0.01-]
1-962-047	Color Paper Adjustment	Custom Paper 047	ENG	[100 to 500 / 353 / 0.01-]
1-962-048	Color Paper Adjustment	Custom Paper 048	ENG	[100 to 500 / 353 / 0.01-]
1-962-049	Color Paper Adjustment	Custom Paper 049	ENG	[100 to 500 / 353 / 0.01-]
1-962-050	Color Paper Adjustment	Custom Paper 050	ENG	[100 to 500 / 353 / 0.01-]
1-962-051	Color Paper Adjustment	Custom Paper 051	ENG	[100 to 500 / 353 / 0.01-]
1-962-052	Color Paper Adjustment	Custom Paper 052	ENG	[100 to 500 / 353 / 0.01-]
1-962-053	Color Paper Adjustment	Custom Paper 053	ENG	[100 to 500 / 353 / 0.01-]
1-962-054	Color Paper Adjustment	Custom Paper 054	ENG	[100 to 500 / 353 / 0.01-]
1-962-055	Color Paper Adjustment	Custom Paper 055	ENG	[100 to 500 / 353 / 0.01-]
1-962-056	Color Paper Adjustment	Custom Paper 056	ENG	[100 to 500 / 353 / 0.01-]
1-962-057	Color Paper Adjustment	Custom Paper 057	ENG	[100 to 500 / 353 / 0.01-]
1-962-058	Color Paper Adjustment	Custom Paper 058	ENG	[100 to 500 / 353 / 0.01-]
1-962-059	Color Paper Adjustment	Custom Paper 059	ENG	[100 to 500 / 353 / 0.01-]
1-962-060	Color Paper Adjustment	Custom Paper 060	ENG	[100 to 500 / 353 / 0.01-]
1-962-061	Color Paper Adjustment	Custom Paper 061	ENG	[100 to 500 / 353 / 0.01-]
1-962-062	Color Paper Adjustment	Custom Paper 062	ENG	[100 to 500 / 353 / 0.01-]
1-962-063	Color Paper Adjustment	Custom Paper 063	ENG	[100 to 500 / 353 / 0.01-]

1-962-064	Color Paper Adjustment	Custom Paper 064	ENG	[100 to 500 / 353 / 0.01-]
1-962-065	Color Paper Adjustment	Custom Paper 065	ENG	[100 to 500 / 353 / 0.01-]
1-962-066	Color Paper Adjustment	Custom Paper 066	ENG	[100 to 500 / 353 / 0.01-]
1-962-067	Color Paper Adjustment	Custom Paper 067	ENG	[100 to 500 / 353 / 0.01-]
1-962-068	Color Paper Adjustment	Custom Paper 068	ENG	[100 to 500 / 353 / 0.01-]
1-962-069	Color Paper Adjustment	Custom Paper 069	ENG	[100 to 500 / 353 / 0.01-]
1-962-070	Color Paper Adjustment	Custom Paper 070	ENG	[100 to 500 / 353 / 0.01-]
1-962-071	Color Paper Adjustment	Custom Paper 071	ENG	[100 to 500 / 353 / 0.01-]
1-962-072	Color Paper Adjustment	Custom Paper 072	ENG	[100 to 500 / 353 / 0.01-]
1-962-073	Color Paper Adjustment	Custom Paper 073	ENG	[100 to 500 / 353 / 0.01-]
1-962-074	Color Paper Adjustment	Custom Paper 074	ENG	[100 to 500 / 353 / 0.01-]
1-962-075	Color Paper Adjustment	Custom Paper 075	ENG	[100 to 500 / 353 / 0.01-]
1-962-076	Color Paper Adjustment	Custom Paper 076	ENG	[100 to 500 / 353 / 0.01-]
1-962-077	Color Paper Adjustment	Custom Paper 077	ENG	[100 to 500 / 353 / 0.01-]
1-962-078	Color Paper Adjustment	Custom Paper 078	ENG	[100 to 500 / 353 / 0.01-]
1-962-079	Color Paper Adjustment	Custom Paper 079	ENG	[100 to 500 / 353 / 0.01-]
1-962-080	Color Paper Adjustment	Custom Paper 080	ENG	[100 to 500 / 353 / 0.01-]
1-962-081	Color Paper Adjustment	Custom Paper 081	ENG	[100 to 500 / 353 / 0.01-]
1-962-082	Color Paper Adjustment	Custom Paper 082	ENG	[100 to 500 / 353 / 0.01-]
1-962-083	Color Paper Adjustment	Custom Paper 083	ENG	[100 to 500 / 353 / 0.01-]
1-962-084	Color Paper Adjustment	Custom Paper 084	ENG	[100 to 500 / 353 / 0.01-]
1-962-085	Color Paper Adjustment	Custom Paper 085	ENG	[100 to 500 / 353 / 0.01-]
1-962-086	Color Paper Adjustment	Custom Paper 086	ENG	[100 to 500 / 353 / 0.01-]
1-962-087	Color Paper Adjustment	Custom Paper 087	ENG	[100 to 500 / 353 / 0.01-]
1-962-088	Color Paper Adjustment	Custom Paper 088	ENG	[100 to 500 / 353 / 0.01-]
1-962-089	Color Paper Adjustment	Custom Paper 089	ENG	[100 to 500 / 353 / 0.01-]
1-962-090	Color Paper Adjustment	Custom Paper 090	ENG	[100 to 500 / 353 / 0.01-]
1-962-091	Color Paper Adjustment	Custom Paper 091	ENG	[100 to 500 / 353 / 0.01-]
1-962-092	Color Paper Adjustment	Custom Paper 092	ENG	[100 to 500 / 353 / 0.01-]
1-962-093	Color Paper Adjustment	Custom Paper 093	ENG	[100 to 500 / 353 / 0.01-]
1-962-094	Color Paper Adjustment	Custom Paper 094	ENG	[100 to 500 / 353 / 0.01-]
1-962-095	Color Paper Adjustment	Custom Paper 095	ENG	[100 to 500 / 353 / 0.01-]
1-962-096	Color Paper Adjustment	Custom Paper 096	ENG	[100 to 500 / 353 / 0.01-]
1-962-097	Color Paper Adjustment	Custom Paper 097	ENG	[100 to 500 / 353 / 0.01-]
1-962-098	Color Paper Adjustment	Custom Paper 098	ENG	[100 to 500 / 353 / 0.01-]
1-962-099	Color Paper Adjustment	Custom Paper 099	ENG	[100 to 500 / 353 / 0.01-]
1-962-100	Color Paper Adjustment	Custom Paper 100	ENG	[100 to 500 / 353 / 0.01-]
1-963-001	Trans Timing Roll Spd:Fine Adj	Custom Paper 001	ENG	[-10 to 10 / 0 / 0.1%]

1-963-002	Trans Timing Roll Spd:Fine Adj	Custom Paper 002	ENG	[-10 to 10 / 0 / 0.1%]
1-963-003	Trans Timing Roll Spd:Fine Adj	Custom Paper 003	ENG	[-10 to 10 / 0 / 0.1%]
1-963-004	Trans Timing Roll Spd:Fine Adj	Custom Paper 004	ENG	[-10 to 10 / 0 / 0.1%]
1-963-005	Trans Timing Roll Spd:Fine Adj	Custom Paper 005	ENG	[-10 to 10 / 0 / 0.1%]
1-963-006	Trans Timing Roll Spd:Fine Adj	Custom Paper 006	ENG	[-10 to 10 / 0 / 0.1%]
1-963-007	Trans Timing Roll Spd:Fine Adj	Custom Paper 007	ENG	[-10 to 10 / 0 / 0.1%]
1-963-008	Trans Timing Roll Spd:Fine Adj	Custom Paper 008	ENG	[-10 to 10 / 0 / 0.1%]
1-963-009	Trans Timing Roll Spd:Fine Adj	Custom Paper 009	ENG	[-10 to 10 / 0 / 0.1%]
1-963-010	Trans Timing Roll Spd:Fine Adj	Custom Paper 010	ENG	[-10 to 10 / 0 / 0.1%]
1-963-011	Trans Timing Roll Spd:Fine Adj	Custom Paper 011	ENG	[-10 to 10 / 0 / 0.1%]
1-963-012	Trans Timing Roll Spd:Fine Adj	Custom Paper 012	ENG	[-10 to 10 / 0 / 0.1%]
1-963-013	Trans Timing Roll Spd:Fine Adj	Custom Paper 013	ENG	[-10 to 10 / 0 / 0.1%]
1-963-014	Trans Timing Roll Spd:Fine Adj	Custom Paper 014	ENG	[-10 to 10 / 0 / 0.1%]
1-963-015	Trans Timing Roll Spd:Fine Adj	Custom Paper 015	ENG	[-10 to 10 / 0 / 0.1%]
1-963-016	Trans Timing Roll Spd:Fine Adj	Custom Paper 016	ENG	[-10 to 10 / 0 / 0.1%]
1-963-017	Trans Timing Roll Spd:Fine Adj	Custom Paper 017	ENG	[-10 to 10 / 0 / 0.1%]
1-963-018	Trans Timing Roll Spd:Fine Adj	Custom Paper 018	ENG	[-10 to 10 / 0 / 0.1%]
1-963-019	Trans Timing Roll Spd:Fine Adj	Custom Paper 019	ENG	[-10 to 10 / 0 / 0.1%]
1-963-020	Trans Timing Roll Spd:Fine Adj	Custom Paper 020	ENG	[-10 to 10 / 0 / 0.1%]
1-963-021	Trans Timing Roll Spd:Fine Adj	Custom Paper 021	ENG	[-10 to 10 / 0 / 0.1%]
1-963-022	Trans Timing Roll Spd:Fine Adj	Custom Paper 022	ENG	[-10 to 10 / 0 / 0.1%]
1-963-023	Trans Timing Roll Spd:Fine Adj	Custom Paper 023	ENG	[-10 to 10 / 0 / 0.1%]
1-963-024	Trans Timing Roll Spd:Fine Adj	Custom Paper 024	ENG	[-10 to 10 / 0 / 0.1%]
1-963-025	Trans Timing Roll Spd:Fine Adj	Custom Paper 025	ENG	[-10 to 10 / 0 / 0.1%]
1-963-026	Trans Timing Roll Spd:Fine Adj	Custom Paper 026	ENG	[-10 to 10 / 0 / 0.1%]
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1-963-028	Trans Timing Roll Spd:Fine Adj	Custom Paper 028	ENG	[-10 to 10 / 0 / 0.1%]
1-963-029	Trans Timing Roll Spd:Fine Adj	Custom Paper 029	ENG	[-10 to 10 / 0 / 0.1%]
1-963-030	Trans Timing Roll Spd:Fine Adj	Custom Paper 030	ENG	[-10 to 10 / 0 / 0.1%]
1-963-031	Trans Timing Roll Spd:Fine Adj	Custom Paper 031	ENG	[-10 to 10 / 0 / 0.1%]
1-963-032	Trans Timing Roll Spd:Fine Adj	Custom Paper 032	ENG	[-10 to 10 / 0 / 0.1%]
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1-963-036	Trans Timing Roll Spd:Fine Adj	Custom Paper 036	ENG	[-10 to 10 / 0 / 0.1%]
1-963-037	Trans Timing Roll Spd:Fine Adj	Custom Paper 037	ENG	[-10 to 10 / 0 / 0.1%]
1-963-038	Trans Timing Roll Spd:Fine Adj	Custom Paper 038	ENG	[-10 to 10 / 0 / 0.1%]
1-963-039	Trans Timing Roll Spd:Fine Adj	Custom Paper 039	ENG	[-10 to 10 / 0 / 0.1%]

1-963-040	Trans Timing Roll Spd:Fine Adj	Custom Paper 040	ENG	[-10 to 10 / 0 / 0.1%]
1-963-041	Trans Timing Roll Spd:Fine Adj	Custom Paper 041	ENG	[-10 to 10 / 0 / 0.1%]
1-963-042	Trans Timing Roll Spd:Fine Adj	Custom Paper 042	ENG	[-10 to 10 / 0 / 0.1%]
1-963-043	Trans Timing Roll Spd:Fine Adj	Custom Paper 043	ENG	[-10 to 10 / 0 / 0.1%]
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1-963-046	Trans Timing Roll Spd:Fine Adj	Custom Paper 046	ENG	[-10 to 10 / 0 / 0.1%]
1-963-047	Trans Timing Roll Spd:Fine Adj	Custom Paper 047	ENG	[-10 to 10 / 0 / 0.1%]
1-963-048	Trans Timing Roll Spd:Fine Adj	Custom Paper 048	ENG	[-10 to 10 / 0 / 0.1%]
1-963-049	Trans Timing Roll Spd:Fine Adj	Custom Paper 049	ENG	[-10 to 10 / 0 / 0.1%]
1-963-050	Trans Timing Roll Spd:Fine Adj	Custom Paper 050	ENG	[-10 to 10 / 0 / 0.1%]
1-963-051	Trans Timing Roll Spd:Fine Adj	Custom Paper 051	ENG	[-10 to 10 / 0 / 0.1%]
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1-963-053	Trans Timing Roll Spd:Fine Adj	Custom Paper 053	ENG	[-10 to 10 / 0 / 0.1%]
1-963-054	Trans Timing Roll Spd:Fine Adj	Custom Paper 054	ENG	[-10 to 10 / 0 / 0.1%]
1-963-055	Trans Timing Roll Spd:Fine Adj	Custom Paper 055	ENG	[-10 to 10 / 0 / 0.1%]
1-963-056	Trans Timing Roll Spd:Fine Adj	Custom Paper 056	ENG	[-10 to 10 / 0 / 0.1%]
1-963-057	Trans Timing Roll Spd:Fine Adj	Custom Paper 057	ENG	[-10 to 10 / 0 / 0.1%]
1-963-058	Trans Timing Roll Spd:Fine Adj	Custom Paper 058	ENG	[-10 to 10 / 0 / 0.1%]
1-963-059	Trans Timing Roll Spd:Fine Adj	Custom Paper 059	ENG	[-10 to 10 / 0 / 0.1%]
1-963-060	Trans Timing Roll Spd:Fine Adj	Custom Paper 060	ENG	[-10 to 10 / 0 / 0.1%]
1-963-061	Trans Timing Roll Spd:Fine Adj	Custom Paper 061	ENG	[-10 to 10 / 0 / 0.1%]
1-963-062	Trans Timing Roll Spd:Fine Adj	Custom Paper 062	ENG	[-10 to 10 / 0 / 0.1%]
1-963-063	Trans Timing Roll Spd:Fine Adj	Custom Paper 063	ENG	[-10 to 10 / 0 / 0.1%]
1-963-064	Trans Timing Roll Spd:Fine Adj	Custom Paper 064	ENG	[-10 to 10 / 0 / 0.1%]
1-963-065	Trans Timing Roll Spd:Fine Adj	Custom Paper 065	ENG	[-10 to 10 / 0 / 0.1%]
1-963-066	Trans Timing Roll Spd:Fine Adj	Custom Paper 066	ENG	[-10 to 10 / 0 / 0.1%]
1-963-067	Trans Timing Roll Spd:Fine Adj	Custom Paper 067	ENG	[-10 to 10 / 0 / 0.1%]
1-963-068	Trans Timing Roll Spd:Fine Adj	Custom Paper 068	ENG	[-10 to 10 / 0 / 0.1%]
1-963-069	Trans Timing Roll Spd:Fine Adj	Custom Paper 069	ENG	[-10 to 10 / 0 / 0.1%]
1-963-070	Trans Timing Roll Spd:Fine Adj	Custom Paper 070	ENG	[-10 to 10 / 0 / 0.1%]
1-963-071	Trans Timing Roll Spd:Fine Adj	Custom Paper 071	ENG	[-10 to 10 / 0 / 0.1%]
1-963-072	Trans Timing Roll Spd:Fine Adj	Custom Paper 072	ENG	[-10 to 10 / 0 / 0.1%]
1-963-073	Trans Timing Roll Spd:Fine Adj	Custom Paper 073	ENG	[-10 to 10 / 0 / 0.1%]
1-963-074	Trans Timing Roll Spd:Fine Adj	Custom Paper 074	ENG	[-10 to 10 / 0 / 0.1%]
1-963-075	Trans Timing Roll Spd:Fine Adj	Custom Paper 075	ENG	[-10 to 10 / 0 / 0.1%]
1-963-076	Trans Timing Roll Spd:Fine Adj	Custom Paper 076	ENG	[-10 to 10 / 0 / 0.1%]
1-963-077	Trans Timing Roll Spd:Fine Adj	Custom Paper 077	ENG	[-10 to 10 / 0 / 0.1%]

1-963-078	Trans Timing Roll Spd:Fine Adj	Custom Paper 078	ENG	[-10 to 10 / 0 / 0.1%]
1-963-079	Trans Timing Roll Spd:Fine Adj	Custom Paper 079	ENG	[-10 to 10 / 0 / 0.1%]
1-963-080	Trans Timing Roll Spd:Fine Adj	Custom Paper 080	ENG	[-10 to 10 / 0 / 0.1%]
1-963-081	Trans Timing Roll Spd:Fine Adj	Custom Paper 081	ENG	[-10 to 10 / 0 / 0.1%]
1-963-082	Trans Timing Roll Spd:Fine Adj	Custom Paper 082	ENG	[-10 to 10 / 0 / 0.1%]
1-963-083	Trans Timing Roll Spd:Fine Adj	Custom Paper 083	ENG	[-10 to 10 / 0 / 0.1%]
1-963-084	Trans Timing Roll Spd:Fine Adj	Custom Paper 084	ENG	[-10 to 10 / 0 / 0.1%]
1-963-085	Trans Timing Roll Spd:Fine Adj	Custom Paper 085	ENG	[-10 to 10 / 0 / 0.1%]
1-963-086	Trans Timing Roll Spd:Fine Adj	Custom Paper 086	ENG	[-10 to 10 / 0 / 0.1%]
1-963-087	Trans Timing Roll Spd:Fine Adj	Custom Paper 087	ENG	[-10 to 10 / 0 / 0.1%]
1-963-088	Trans Timing Roll Spd:Fine Adj	Custom Paper 088	ENG	[-10 to 10 / 0 / 0.1%]
1-963-089	Trans Timing Roll Spd:Fine Adj	Custom Paper 089	ENG	[-10 to 10 / 0 / 0.1%]
1-963-090	Trans Timing Roll Spd:Fine Adj	Custom Paper 090	ENG	[-10 to 10 / 0 / 0.1%]
1-963-091	Trans Timing Roll Spd:Fine Adj	Custom Paper 091	ENG	[-10 to 10 / 0 / 0.1%]
1-963-092	Trans Timing Roll Spd:Fine Adj	Custom Paper 092	ENG	[-10 to 10 / 0 / 0.1%]
1-963-093	Trans Timing Roll Spd:Fine Adj	Custom Paper 093	ENG	[-10 to 10 / 0 / 0.1%]
1-963-094	Trans Timing Roll Spd:Fine Adj	Custom Paper 094	ENG	[-10 to 10 / 0 / 0.1%]
1-963-095	Trans Timing Roll Spd:Fine Adj	Custom Paper 095	ENG	[-10 to 10 / 0 / 0.1%]
1-963-096	Trans Timing Roll Spd:Fine Adj	Custom Paper 096	ENG	[-10 to 10 / 0 / 0.1%]
1-963-097	Trans Timing Roll Spd:Fine Adj	Custom Paper 097	ENG	[-10 to 10 / 0 / 0.1%]
1-963-098	Trans Timing Roll Spd:Fine Adj	Custom Paper 098	ENG	[-10 to 10 / 0 / 0.1%]
1-963-099	Trans Timing Roll Spd:Fine Adj	Custom Paper 099	ENG	[-10 to 10 / 0 / 0.1%]
1-963-100	Trans Timing Roll Spd:Fine Adj	Custom Paper 100	ENG	[-10 to 10 / 0 / 0.1%]
1-964-001	Exit Motor Spd: Fine Adj	Custom Paper 001	ENG	[-50 to 50 / 0 / 0.1%]
1-964-002	Exit Motor Spd: Fine Adj	Custom Paper 002	ENG	[-50 to 50 / 0 / 0.1%]
1-964-003	Exit Motor Spd: Fine Adj	Custom Paper 003	ENG	[-50 to 50 / 0 / 0.1%]
1-964-004	Exit Motor Spd: Fine Adj	Custom Paper 004	ENG	[-50 to 50 / 0 / 0.1%]
1-964-005	Exit Motor Spd: Fine Adj	Custom Paper 005	ENG	[-50 to 50 / 0 / 0.1%]
1-964-006	Exit Motor Spd: Fine Adj	Custom Paper 006	ENG	[-50 to 50 / 0 / 0.1%]
1-964-007	Exit Motor Spd: Fine Adj	Custom Paper 007	ENG	[-50 to 50 / 0 / 0.1%]
1-964-008	Exit Motor Spd: Fine Adj	Custom Paper 008	ENG	[-50 to 50 / 0 / 0.1%]
1-964-009	Exit Motor Spd: Fine Adj	Custom Paper 009	ENG	[-50 to 50 / 0 / 0.1%]
1-964-010	Exit Motor Spd: Fine Adj	Custom Paper 010	ENG	[-50 to 50 / 0 / 0.1%]
1-964-011	Exit Motor Spd: Fine Adj	Custom Paper 011	ENG	[-50 to 50 / 0 / 0.1%]
1-964-012	Exit Motor Spd: Fine Adj	Custom Paper 012	ENG	[-50 to 50 / 0 / 0.1%]
1-964-013	Exit Motor Spd: Fine Adj	Custom Paper 013	ENG	[-50 to 50 / 0 / 0.1%]
1-964-014	Exit Motor Spd: Fine Adj	Custom Paper 014	ENG	[-50 to 50 / 0 / 0.1%]
1-964-015	Exit Motor Spd: Fine Adj	Custom Paper 015	ENG	[-50 to 50 / 0 / 0.1%]

1-964-016	Exit Motor Spd: Fine Adj	Custom Paper 016	ENG	[-50 to 50 / 0 / 0.1%]
1-964-017	Exit Motor Spd: Fine Adj	Custom Paper 017	ENG	[-50 to 50 / 0 / 0.1%]
1-964-018	Exit Motor Spd: Fine Adj	Custom Paper 018	ENG	[-50 to 50 / 0 / 0.1%]
1-964-019	Exit Motor Spd: Fine Adj	Custom Paper 019	ENG	[-50 to 50 / 0 / 0.1%]
1-964-020	Exit Motor Spd: Fine Adj	Custom Paper 020	ENG	[-50 to 50 / 0 / 0.1%]
1-964-021	Exit Motor Spd: Fine Adj	Custom Paper 021	ENG	[-50 to 50 / 0 / 0.1%]
1-964-022	Exit Motor Spd: Fine Adj	Custom Paper 022	ENG	[-50 to 50 / 0 / 0.1%]
1-964-023	Exit Motor Spd: Fine Adj	Custom Paper 023	ENG	[-50 to 50 / 0 / 0.1%]
1-964-024	Exit Motor Spd: Fine Adj	Custom Paper 024	ENG	[-50 to 50 / 0 / 0.1%]
1-964-025	Exit Motor Spd: Fine Adj	Custom Paper 025	ENG	[-50 to 50 / 0 / 0.1%]
1-964-026	Exit Motor Spd: Fine Adj	Custom Paper 026	ENG	[-50 to 50 / 0 / 0.1%]
1-964-027	Exit Motor Spd: Fine Adj	Custom Paper 027	ENG	[-50 to 50 / 0 / 0.1%]
1-964-028	Exit Motor Spd: Fine Adj	Custom Paper 028	ENG	[-50 to 50 / 0 / 0.1%]
1-964-029	Exit Motor Spd: Fine Adj	Custom Paper 029	ENG	[-50 to 50 / 0 / 0.1%]
1-964-030	Exit Motor Spd: Fine Adj	Custom Paper 030	ENG	[-50 to 50 / 0 / 0.1%]
1-964-031	Exit Motor Spd: Fine Adj	Custom Paper 031	ENG	[-50 to 50 / 0 / 0.1%]
1-964-032	Exit Motor Spd: Fine Adj	Custom Paper 032	ENG	[-50 to 50 / 0 / 0.1%]
1-964-033	Exit Motor Spd: Fine Adj	Custom Paper 033	ENG	[-50 to 50 / 0 / 0.1%]
1-964-034	Exit Motor Spd: Fine Adj	Custom Paper 034	ENG	[-50 to 50 / 0 / 0.1%]
1-964-035	Exit Motor Spd: Fine Adj	Custom Paper 035	ENG	[-50 to 50 / 0 / 0.1%]
1-964-036	Exit Motor Spd: Fine Adj	Custom Paper 036	ENG	[-50 to 50 / 0 / 0.1%]
1-964-037	Exit Motor Spd: Fine Adj	Custom Paper 037	ENG	[-50 to 50 / 0 / 0.1%]
1-964-038	Exit Motor Spd: Fine Adj	Custom Paper 038	ENG	[-50 to 50 / 0 / 0.1%]
1-964-039	Exit Motor Spd: Fine Adj	Custom Paper 039	ENG	[-50 to 50 / 0 / 0.1%]
1-964-040	Exit Motor Spd: Fine Adj	Custom Paper 040	ENG	[-50 to 50 / 0 / 0.1%]
1-964-041	Exit Motor Spd: Fine Adj	Custom Paper 041	ENG	[-50 to 50 / 0 / 0.1%]
1-964-042	Exit Motor Spd: Fine Adj	Custom Paper 042	ENG	[-50 to 50 / 0 / 0.1%]
1-964-043	Exit Motor Spd: Fine Adj	Custom Paper 043	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-046	Exit Motor Spd: Fine Adj	Custom Paper 046	ENG	[-50 to 50 / 0 / 0.1%]
1-964-047	Exit Motor Spd: Fine Adj	Custom Paper 047	ENG	[-50 to 50 / 0 / 0.1%]
1-964-048	Exit Motor Spd: Fine Adj	Custom Paper 048	ENG	[-50 to 50 / 0 / 0.1%]
1-964-049	Exit Motor Spd: Fine Adj	Custom Paper 049	ENG	[-50 to 50 / 0 / 0.1%]
1-964-050	Exit Motor Spd: Fine Adj	Custom Paper 050	ENG	[-50 to 50 / 0 / 0.1%]
1-964-051	Exit Motor Spd: Fine Adj	Custom Paper 051	ENG	[-50 to 50 / 0 / 0.1%]
1-964-052	Exit Motor Spd: Fine Adj	Custom Paper 052	ENG	[-50 to 50 / 0 / 0.1%]
1-964-053	Exit Motor Spd: Fine Adj	Custom Paper 053	ENG	[-50 to 50 / 0 / 0.1%]

1-964-054	Exit Motor Spd: Fine Adj	Custom Paper 054	ENG	[-50 to 50 / 0 / 0.1%]
1-964-055	Exit Motor Spd: Fine Adj	Custom Paper 055	ENG	[-50 to 50 / 0 / 0.1%]
1-964-056	Exit Motor Spd: Fine Adj	Custom Paper 056	ENG	[-50 to 50 / 0 / 0.1%]
1-964-057	Exit Motor Spd: Fine Adj	Custom Paper 057	ENG	[-50 to 50 / 0 / 0.1%]
1-964-058	Exit Motor Spd: Fine Adj	Custom Paper 058	ENG	[-50 to 50 / 0 / 0.1%]
1-964-059	Exit Motor Spd: Fine Adj	Custom Paper 059	ENG	[-50 to 50 / 0 / 0.1%]
1-964-060	Exit Motor Spd: Fine Adj	Custom Paper 060	ENG	[-50 to 50 / 0 / 0.1%]
1-964-061	Exit Motor Spd: Fine Adj	Custom Paper 061	ENG	[-50 to 50 / 0 / 0.1%]
1-964-062	Exit Motor Spd: Fine Adj	Custom Paper 062	ENG	[-50 to 50 / 0 / 0.1%]
1-964-063	Exit Motor Spd: Fine Adj	Custom Paper 063	ENG	[-50 to 50 / 0 / 0.1%]
1-964-064	Exit Motor Spd: Fine Adj	Custom Paper 064	ENG	[-50 to 50 / 0 / 0.1%]
1-964-065	Exit Motor Spd: Fine Adj	Custom Paper 065	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-067	Exit Motor Spd: Fine Adj	Custom Paper 067	ENG	[-50 to 50 / 0 / 0.1%]
1-964-068	Exit Motor Spd: Fine Adj	Custom Paper 068	ENG	[-50 to 50 / 0 / 0.1%]
1-964-069	Exit Motor Spd: Fine Adj	Custom Paper 069	ENG	[-50 to 50 / 0 / 0.1%]
1-964-070	Exit Motor Spd: Fine Adj	Custom Paper 070	ENG	[-50 to 50 / 0 / 0.1%]
1-964-071	Exit Motor Spd: Fine Adj	Custom Paper 071	ENG	[-50 to 50 / 0 / 0.1%]
1-964-072	Exit Motor Spd: Fine Adj	Custom Paper 072	ENG	[-50 to 50 / 0 / 0.1%]
1-964-073	Exit Motor Spd: Fine Adj	Custom Paper 073	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-076	Exit Motor Spd: Fine Adj	Custom Paper 076	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-079	Exit Motor Spd: Fine Adj	Custom Paper 079	ENG	[-50 to 50 / 0 / 0.1%]
1-964-080	Exit Motor Spd: Fine Adj	Custom Paper 080	ENG	[-50 to 50 / 0 / 0.1%]
1-964-081	Exit Motor Spd: Fine Adj	Custom Paper 081	ENG	[-50 to 50 / 0 / 0.1%]
1-964-082	Exit Motor Spd: Fine Adj	Custom Paper 082	ENG	[-50 to 50 / 0 / 0.1%]
1-964-083	Exit Motor Spd: Fine Adj	Custom Paper 083	ENG	[-50 to 50 / 0 / 0.1%]
1-964-084	Exit Motor Spd: Fine Adj	Custom Paper 084	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-087	Exit Motor Spd: Fine Adj	Custom Paper 087	ENG	[-50 to 50 / 0 / 0.1%]
1-964-088	Exit Motor Spd: Fine Adj	Custom Paper 088	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-091	Exit Motor Spd: Fine Adj	Custom Paper 091	ENG	[-50 to 50 / 0 / 0.1%]

1-964-092	Exit Motor Spd: Fine Adj	Custom Paper 092	ENG	[-50 to 50 / 0 / 0.1%]
1-964-093	Exit Motor Spd: Fine Adj	Custom Paper 093	ENG	[-50 to 50 / 0 / 0.1%]
1-964-094	Exit Motor Spd: Fine Adj	Custom Paper 094	ENG	[-50 to 50 / 0 / 0.1%]
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1-964-097	Exit Motor Spd: Fine Adj	Custom Paper 097	ENG	[-50 to 50 / 0 / 0.1%]
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1-965-001	Invert Entrance Spd: Fine Adj	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1%]
1-965-002	Invert Entrance Spd: Fine Adj	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1%]
1-965-003	Invert Entrance Spd: Fine Adj	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1%]
1-965-004	Invert Entrance Spd: Fine Adj	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1%]
1-965-005	Invert Entrance Spd: Fine Adj	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1%]
1-965-006	Invert Entrance Spd: Fine Adj	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1%]
1-965-007	Invert Entrance Spd: Fine Adj	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1%]
1-965-008	Invert Entrance Spd: Fine Adj	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1%]
1-965-009	Invert Entrance Spd: Fine Adj	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1%]
1-965-010	Invert Entrance Spd: Fine Adj	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1%]
1-965-011	Invert Entrance Spd: Fine Adj	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1%]
1-965-012	Invert Entrance Spd: Fine Adj	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1%]
1-965-013	Invert Entrance Spd: Fine Adj	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1%]
1-965-014	Invert Entrance Spd: Fine Adj	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1%]
1-965-015	Invert Entrance Spd: Fine Adj	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1%]
1-965-016	Invert Entrance Spd: Fine Adj	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1%]
1-965-017	Invert Entrance Spd: Fine Adj	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1%]
1-965-018	Invert Entrance Spd: Fine Adj	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1%]
1-965-019	Invert Entrance Spd: Fine Adj	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1%]
1-965-020	Invert Entrance Spd: Fine Adj	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1%]
1-965-021	Invert Entrance Spd: Fine Adj	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1%]
1-965-022	Invert Entrance Spd: Fine Adj	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1%]
1-965-023	Invert Entrance Spd: Fine Adj	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1%]
1-965-024	Invert Entrance Spd: Fine Adj	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1%]
1-965-025	Invert Entrance Spd: Fine Adj	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1%]
1-965-026	Invert Entrance Spd: Fine Adj	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1%]
1-965-027	Invert Entrance Spd: Fine Adj	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1%]
1-965-028	Invert Entrance Spd: Fine Adj	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1%]
1-965-029	Invert Entrance Spd: Fine Adj	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1%]

1-965-030	Invert Entrance Spd: Fine Adj	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1%]
1-965-031	Invert Entrance Spd: Fine Adj	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1%]
1-965-032	Invert Entrance Spd: Fine Adj	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1%]
1-965-033	Invert Entrance Spd: Fine Adj	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1%]
1-965-034	Invert Entrance Spd: Fine Adj	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1%]
1-965-035	Invert Entrance Spd: Fine Adj	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1%]
1-965-036	Invert Entrance Spd: Fine Adj	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1%]
1-965-037	Invert Entrance Spd: Fine Adj	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1%]
1-965-038	Invert Entrance Spd: Fine Adj	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1%]
1-965-039	Invert Entrance Spd: Fine Adj	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1%]
1-965-040	Invert Entrance Spd: Fine Adj	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1%]
1-965-041	Invert Entrance Spd: Fine Adj	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1%]
1-965-042	Invert Entrance Spd: Fine Adj	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1%]
1-965-043	Invert Entrance Spd: Fine Adj	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1%]
1-965-044	Invert Entrance Spd: Fine Adj	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1%]
1-965-045	Invert Entrance Spd: Fine Adj	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1%]
1-965-046	Invert Entrance Spd: Fine Adj	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1%]
1-965-047	Invert Entrance Spd: Fine Adj	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1%]
1-965-048	Invert Entrance Spd: Fine Adj	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1%]
1-965-049	Invert Entrance Spd: Fine Adj	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1%]
1-965-050	Invert Entrance Spd: Fine Adj	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1%]
1-965-051	Invert Entrance Spd: Fine Adj	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1%]
1-965-052	Invert Entrance Spd: Fine Adj	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1%]
1-965-053	Invert Entrance Spd: Fine Adj	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1%]
1-965-054	Invert Entrance Spd: Fine Adj	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1%]
1-965-055	Invert Entrance Spd: Fine Adj	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1%]
1-965-056	Invert Entrance Spd: Fine Adj	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1%]
1-965-057	Invert Entrance Spd: Fine Adj	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1%]
1-965-058	Invert Entrance Spd: Fine Adj	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1%]
1-965-059	Invert Entrance Spd: Fine Adj	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1%]
1-965-060	Invert Entrance Spd: Fine Adj	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1%]
1-965-061	Invert Entrance Spd: Fine Adj	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1%]
1-965-062	Invert Entrance Spd: Fine Adj	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1%]
1-965-063	Invert Entrance Spd: Fine Adj	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1%]
1-965-064	Invert Entrance Spd: Fine Adj	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1%]
1-965-065	Invert Entrance Spd: Fine Adj	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1%]
1-965-066	Invert Entrance Spd: Fine Adj	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1%]
1-965-067	Invert Entrance Spd: Fine Adj	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1%]

1-965-068	Invert Entrance Spd: Fine Adj	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1%]
1-965-069	Invert Entrance Spd: Fine Adj	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1%]
1-965-070	Invert Entrance Spd: Fine Adj	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1%]
1-965-071	Invert Entrance Spd: Fine Adj	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1%]
1-965-072	Invert Entrance Spd: Fine Adj	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1%]
1-965-073	Invert Entrance Spd: Fine Adj	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1%]
1-965-074	Invert Entrance Spd: Fine Adj	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1%]
1-965-075	Invert Entrance Spd: Fine Adj	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1%]
1-965-076	Invert Entrance Spd: Fine Adj	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1%]
1-965-077	Invert Entrance Spd: Fine Adj	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1%]
1-965-078	Invert Entrance Spd: Fine Adj	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1%]
1-965-079	Invert Entrance Spd: Fine Adj	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1%]
1-965-080	Invert Entrance Spd: Fine Adj	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1%]
1-965-081	Invert Entrance Spd: Fine Adj	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1%]
1-965-082	Invert Entrance Spd: Fine Adj	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1%]
1-965-083	Invert Entrance Spd: Fine Adj	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1%]
1-965-084	Invert Entrance Spd: Fine Adj	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1%]
1-965-085	Invert Entrance Spd: Fine Adj	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1%]
1-965-086	Invert Entrance Spd: Fine Adj	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1%]
1-965-087	Invert Entrance Spd: Fine Adj	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1%]
1-965-088	Invert Entrance Spd: Fine Adj	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1%]
1-965-089	Invert Entrance Spd: Fine Adj	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1%]
1-965-090	Invert Entrance Spd: Fine Adj	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1%]
1-965-091	Invert Entrance Spd: Fine Adj	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1%]
1-965-092	Invert Entrance Spd: Fine Adj	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1%]
1-965-093	Invert Entrance Spd: Fine Adj	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1%]
1-965-094	Invert Entrance Spd: Fine Adj	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1%]
1-965-095	Invert Entrance Spd: Fine Adj	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1%]
1-965-096	Invert Entrance Spd: Fine Adj	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1%]
1-965-097	Invert Entrance Spd: Fine Adj	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1%]
1-965-098	Invert Entrance Spd: Fine Adj	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1%]
1-965-099	Invert Entrance Spd: Fine Adj	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1%]
1-965-100	Invert Entrance Spd: Fine Adj	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1%]
1-966-001	Invert Exit Spd: Fine Adj	Custom Paper 001	ENG	[-30 to 30 / 0 / 0.1%]
1-966-002	Invert Exit Spd: Fine Adj	Custom Paper 002	ENG	[-30 to 30 / 0 / 0.1%]
1-966-003	Invert Exit Spd: Fine Adj	Custom Paper 003	ENG	[-30 to 30 / 0 / 0.1%]
1-966-004	Invert Exit Spd: Fine Adj	Custom Paper 004	ENG	[-30 to 30 / 0 / 0.1%]
1-966-005	Invert Exit Spd: Fine Adj	Custom Paper 005	ENG	[-30 to 30 / 0 / 0.1%]

1-966-006	Invert Exit Spd: Fine Adj	Custom Paper 006	ENG	[-30 to 30 / 0 / 0.1%]
1-966-007	Invert Exit Spd: Fine Adj	Custom Paper 007	ENG	[-30 to 30 / 0 / 0.1%]
1-966-008	Invert Exit Spd: Fine Adj	Custom Paper 008	ENG	[-30 to 30 / 0 / 0.1%]
1-966-009	Invert Exit Spd: Fine Adj	Custom Paper 009	ENG	[-30 to 30 / 0 / 0.1%]
1-966-010	Invert Exit Spd: Fine Adj	Custom Paper 010	ENG	[-30 to 30 / 0 / 0.1%]
1-966-011	Invert Exit Spd: Fine Adj	Custom Paper 011	ENG	[-30 to 30 / 0 / 0.1%]
1-966-012	Invert Exit Spd: Fine Adj	Custom Paper 012	ENG	[-30 to 30 / 0 / 0.1%]
1-966-013	Invert Exit Spd: Fine Adj	Custom Paper 013	ENG	[-30 to 30 / 0 / 0.1%]
1-966-014	Invert Exit Spd: Fine Adj	Custom Paper 014	ENG	[-30 to 30 / 0 / 0.1%]
1-966-015	Invert Exit Spd: Fine Adj	Custom Paper 015	ENG	[-30 to 30 / 0 / 0.1%]
1-966-016	Invert Exit Spd: Fine Adj	Custom Paper 016	ENG	[-30 to 30 / 0 / 0.1%]
1-966-017	Invert Exit Spd: Fine Adj	Custom Paper 017	ENG	[-30 to 30 / 0 / 0.1%]
1-966-018	Invert Exit Spd: Fine Adj	Custom Paper 018	ENG	[-30 to 30 / 0 / 0.1%]
1-966-019	Invert Exit Spd: Fine Adj	Custom Paper 019	ENG	[-30 to 30 / 0 / 0.1%]
1-966-020	Invert Exit Spd: Fine Adj	Custom Paper 020	ENG	[-30 to 30 / 0 / 0.1%]
1-966-021	Invert Exit Spd: Fine Adj	Custom Paper 021	ENG	[-30 to 30 / 0 / 0.1%]
1-966-022	Invert Exit Spd: Fine Adj	Custom Paper 022	ENG	[-30 to 30 / 0 / 0.1%]
1-966-023	Invert Exit Spd: Fine Adj	Custom Paper 023	ENG	[-30 to 30 / 0 / 0.1%]
1-966-024	Invert Exit Spd: Fine Adj	Custom Paper 024	ENG	[-30 to 30 / 0 / 0.1%]
1-966-025	Invert Exit Spd: Fine Adj	Custom Paper 025	ENG	[-30 to 30 / 0 / 0.1%]
1-966-026	Invert Exit Spd: Fine Adj	Custom Paper 026	ENG	[-30 to 30 / 0 / 0.1%]
1-966-027	Invert Exit Spd: Fine Adj	Custom Paper 027	ENG	[-30 to 30 / 0 / 0.1%]
1-966-028	Invert Exit Spd: Fine Adj	Custom Paper 028	ENG	[-30 to 30 / 0 / 0.1%]
1-966-029	Invert Exit Spd: Fine Adj	Custom Paper 029	ENG	[-30 to 30 / 0 / 0.1%]
1-966-030	Invert Exit Spd: Fine Adj	Custom Paper 030	ENG	[-30 to 30 / 0 / 0.1%]
1-966-031	Invert Exit Spd: Fine Adj	Custom Paper 031	ENG	[-30 to 30 / 0 / 0.1%]
1-966-032	Invert Exit Spd: Fine Adj	Custom Paper 032	ENG	[-30 to 30 / 0 / 0.1%]
1-966-033	Invert Exit Spd: Fine Adj	Custom Paper 033	ENG	[-30 to 30 / 0 / 0.1%]
1-966-034	Invert Exit Spd: Fine Adj	Custom Paper 034	ENG	[-30 to 30 / 0 / 0.1%]
1-966-035	Invert Exit Spd: Fine Adj	Custom Paper 035	ENG	[-30 to 30 / 0 / 0.1%]
1-966-036	Invert Exit Spd: Fine Adj	Custom Paper 036	ENG	[-30 to 30 / 0 / 0.1%]
1-966-037	Invert Exit Spd: Fine Adj	Custom Paper 037	ENG	[-30 to 30 / 0 / 0.1%]
1-966-038	Invert Exit Spd: Fine Adj	Custom Paper 038	ENG	[-30 to 30 / 0 / 0.1%]
1-966-039	Invert Exit Spd: Fine Adj	Custom Paper 039	ENG	[-30 to 30 / 0 / 0.1%]
1-966-040	Invert Exit Spd: Fine Adj	Custom Paper 040	ENG	[-30 to 30 / 0 / 0.1%]
1-966-041	Invert Exit Spd: Fine Adj	Custom Paper 041	ENG	[-30 to 30 / 0 / 0.1%]
1-966-042	Invert Exit Spd: Fine Adj	Custom Paper 042	ENG	[-30 to 30 / 0 / 0.1%]
1-966-043	Invert Exit Spd: Fine Adj	Custom Paper 043	ENG	[-30 to 30 / 0 / 0.1%]

1-966-044	Invert Exit Spd: Fine Adj	Custom Paper 044	ENG	[-30 to 30 / 0 / 0.1%]
1-966-045	Invert Exit Spd: Fine Adj	Custom Paper 045	ENG	[-30 to 30 / 0 / 0.1%]
1-966-046	Invert Exit Spd: Fine Adj	Custom Paper 046	ENG	[-30 to 30 / 0 / 0.1%]
1-966-047	Invert Exit Spd: Fine Adj	Custom Paper 047	ENG	[-30 to 30 / 0 / 0.1%]
1-966-048	Invert Exit Spd: Fine Adj	Custom Paper 048	ENG	[-30 to 30 / 0 / 0.1%]
1-966-049	Invert Exit Spd: Fine Adj	Custom Paper 049	ENG	[-30 to 30 / 0 / 0.1%]
1-966-050	Invert Exit Spd: Fine Adj	Custom Paper 050	ENG	[-30 to 30 / 0 / 0.1%]
1-966-051	Invert Exit Spd: Fine Adj	Custom Paper 051	ENG	[-30 to 30 / 0 / 0.1%]
1-966-052	Invert Exit Spd: Fine Adj	Custom Paper 052	ENG	[-30 to 30 / 0 / 0.1%]
1-966-053	Invert Exit Spd: Fine Adj	Custom Paper 053	ENG	[-30 to 30 / 0 / 0.1%]
1-966-054	Invert Exit Spd: Fine Adj	Custom Paper 054	ENG	[-30 to 30 / 0 / 0.1%]
1-966-055	Invert Exit Spd: Fine Adj	Custom Paper 055	ENG	[-30 to 30 / 0 / 0.1%]
1-966-056	Invert Exit Spd: Fine Adj	Custom Paper 056	ENG	[-30 to 30 / 0 / 0.1%]
1-966-057	Invert Exit Spd: Fine Adj	Custom Paper 057	ENG	[-30 to 30 / 0 / 0.1%]
1-966-058	Invert Exit Spd: Fine Adj	Custom Paper 058	ENG	[-30 to 30 / 0 / 0.1%]
1-966-059	Invert Exit Spd: Fine Adj	Custom Paper 059	ENG	[-30 to 30 / 0 / 0.1%]
1-966-060	Invert Exit Spd: Fine Adj	Custom Paper 060	ENG	[-30 to 30 / 0 / 0.1%]
1-966-061	Invert Exit Spd: Fine Adj	Custom Paper 061	ENG	[-30 to 30 / 0 / 0.1%]
1-966-062	Invert Exit Spd: Fine Adj	Custom Paper 062	ENG	[-30 to 30 / 0 / 0.1%]
1-966-063	Invert Exit Spd: Fine Adj	Custom Paper 063	ENG	[-30 to 30 / 0 / 0.1%]
1-966-064	Invert Exit Spd: Fine Adj	Custom Paper 064	ENG	[-30 to 30 / 0 / 0.1%]
1-966-065	Invert Exit Spd: Fine Adj	Custom Paper 065	ENG	[-30 to 30 / 0 / 0.1%]
1-966-066	Invert Exit Spd: Fine Adj	Custom Paper 066	ENG	[-30 to 30 / 0 / 0.1%]
1-966-067	Invert Exit Spd: Fine Adj	Custom Paper 067	ENG	[-30 to 30 / 0 / 0.1%]
1-966-068	Invert Exit Spd: Fine Adj	Custom Paper 068	ENG	[-30 to 30 / 0 / 0.1%]
1-966-069	Invert Exit Spd: Fine Adj	Custom Paper 069	ENG	[-30 to 30 / 0 / 0.1%]
1-966-070	Invert Exit Spd: Fine Adj	Custom Paper 070	ENG	[-30 to 30 / 0 / 0.1%]
1-966-071	Invert Exit Spd: Fine Adj	Custom Paper 071	ENG	[-30 to 30 / 0 / 0.1%]
1-966-072	Invert Exit Spd: Fine Adj	Custom Paper 072	ENG	[-30 to 30 / 0 / 0.1%]
1-966-073	Invert Exit Spd: Fine Adj	Custom Paper 073	ENG	[-30 to 30 / 0 / 0.1%]
1-966-074	Invert Exit Spd: Fine Adj	Custom Paper 074	ENG	[-30 to 30 / 0 / 0.1%]
1-966-075	Invert Exit Spd: Fine Adj	Custom Paper 075	ENG	[-30 to 30 / 0 / 0.1%]
1-966-076	Invert Exit Spd: Fine Adj	Custom Paper 076	ENG	[-30 to 30 / 0 / 0.1%]
1-966-077	Invert Exit Spd: Fine Adj	Custom Paper 077	ENG	[-30 to 30 / 0 / 0.1%]
1-966-078	Invert Exit Spd: Fine Adj	Custom Paper 078	ENG	[-30 to 30 / 0 / 0.1%]
1-966-079	Invert Exit Spd: Fine Adj	Custom Paper 079	ENG	[-30 to 30 / 0 / 0.1%]
1-966-080	Invert Exit Spd: Fine Adj	Custom Paper 080	ENG	[-30 to 30 / 0 / 0.1%]
1-966-081	Invert Exit Spd: Fine Adj	Custom Paper 081	ENG	[-30 to 30 / 0 / 0.1%]

1-966-082	Invert Exit Spd: Fine Adj	Custom Paper 082	ENG	[-30 to 30 / 0 / 0.1%]
1-966-083	Invert Exit Spd: Fine Adj	Custom Paper 083	ENG	[-30 to 30 / 0 / 0.1%]
1-966-084	Invert Exit Spd: Fine Adj	Custom Paper 084	ENG	[-30 to 30 / 0 / 0.1%]
1-966-085	Invert Exit Spd: Fine Adj	Custom Paper 085	ENG	[-30 to 30 / 0 / 0.1%]
1-966-086	Invert Exit Spd: Fine Adj	Custom Paper 086	ENG	[-30 to 30 / 0 / 0.1%]
1-966-087	Invert Exit Spd: Fine Adj	Custom Paper 087	ENG	[-30 to 30 / 0 / 0.1%]
1-966-088	Invert Exit Spd: Fine Adj	Custom Paper 088	ENG	[-30 to 30 / 0 / 0.1%]
1-966-089	Invert Exit Spd: Fine Adj	Custom Paper 089	ENG	[-30 to 30 / 0 / 0.1%]
1-966-090	Invert Exit Spd: Fine Adj	Custom Paper 090	ENG	[-30 to 30 / 0 / 0.1%]
1-966-091	Invert Exit Spd: Fine Adj	Custom Paper 091	ENG	[-30 to 30 / 0 / 0.1%]
1-966-092	Invert Exit Spd: Fine Adj	Custom Paper 092	ENG	[-30 to 30 / 0 / 0.1%]
1-966-093	Invert Exit Spd: Fine Adj	Custom Paper 093	ENG	[-30 to 30 / 0 / 0.1%]
1-966-094	Invert Exit Spd: Fine Adj	Custom Paper 094	ENG	[-30 to 30 / 0 / 0.1%]
1-966-095	Invert Exit Spd: Fine Adj	Custom Paper 095	ENG	[-30 to 30 / 0 / 0.1%]
1-966-096	Invert Exit Spd: Fine Adj	Custom Paper 096	ENG	[-30 to 30 / 0 / 0.1%]
1-966-097	Invert Exit Spd: Fine Adj	Custom Paper 097	ENG	[-30 to 30 / 0 / 0.1%]
1-966-098	Invert Exit Spd: Fine Adj	Custom Paper 098	ENG	[-30 to 30 / 0 / 0.1%]
1-966-099	Invert Exit Spd: Fine Adj	Custom Paper 099	ENG	[-30 to 30 / 0 / 0.1%]
1-966-100	Invert Exit Spd: Fine Adj	Custom Paper 100	ENG	[-30 to 30 / 0 / 0.1%]
1-975-001	LCT Tray Fan Duty Adjustment	Custom Paper 001	ENG	[10 to 100 / 70 / 10%]
1-975-002	LCT Tray Fan Duty Adjustment	Custom Paper 002	ENG	[10 to 100 / 70 / 10%]
1-975-003	LCT Tray Fan Duty Adjustment	Custom Paper 003	ENG	[10 to 100 / 70 / 10%]
1-975-004	LCT Tray Fan Duty Adjustment	Custom Paper 004	ENG	[10 to 100 / 70 / 10%]
1-975-005	LCT Tray Fan Duty Adjustment	Custom Paper 005	ENG	[10 to 100 / 70 / 10%]
1-975-006	LCT Tray Fan Duty Adjustment	Custom Paper 006	ENG	[10 to 100 / 70 / 10%]
1-975-007	LCT Tray Fan Duty Adjustment	Custom Paper 007	ENG	[10 to 100 / 70 / 10%]
1-975-008	LCT Tray Fan Duty Adjustment	Custom Paper 008	ENG	[10 to 100 / 70 / 10%]
1-975-009	LCT Tray Fan Duty Adjustment	Custom Paper 009	ENG	[10 to 100 / 70 / 10%]
1-975-010	LCT Tray Fan Duty Adjustment	Custom Paper 010	ENG	[10 to 100 / 70 / 10%]
1-975-011	LCT Tray Fan Duty Adjustment	Custom Paper 011	ENG	[10 to 100 / 70 / 10%]
1-975-012	LCT Tray Fan Duty Adjustment	Custom Paper 012	ENG	[10 to 100 / 70 / 10%]
1-975-013	LCT Tray Fan Duty Adjustment	Custom Paper 013	ENG	[10 to 100 / 70 / 10%]
1-975-014	LCT Tray Fan Duty Adjustment	Custom Paper 014	ENG	[10 to 100 / 70 / 10%]
1-975-015	LCT Tray Fan Duty Adjustment	Custom Paper 015	ENG	[10 to 100 / 70 / 10%]
1-975-016	LCT Tray Fan Duty Adjustment	Custom Paper 016	ENG	[10 to 100 / 70 / 10%]
1-975-017	LCT Tray Fan Duty Adjustment	Custom Paper 017	ENG	[10 to 100 / 70 / 10%]
1-975-018	LCT Tray Fan Duty Adjustment	Custom Paper 018	ENG	[10 to 100 / 70 / 10%]
1-975-019	LCT Tray Fan Duty Adjustment	Custom Paper 019	ENG	[10 to 100 / 70 / 10%]

1-975-020	LCT Tray Fan Duty Adjustment	Custom Paper 020	ENG	[10 to 100 / 70 / 10%]
1-975-021	LCT Tray Fan Duty Adjustment	Custom Paper 021	ENG	[10 to 100 / 70 / 10%]
1-975-022	LCT Tray Fan Duty Adjustment	Custom Paper 022	ENG	[10 to 100 / 70 / 10%]
1-975-023	LCT Tray Fan Duty Adjustment	Custom Paper 023	ENG	[10 to 100 / 70 / 10%]
1-975-024	LCT Tray Fan Duty Adjustment	Custom Paper 024	ENG	[10 to 100 / 70 / 10%]
1-975-025	LCT Tray Fan Duty Adjustment	Custom Paper 025	ENG	[10 to 100 / 70 / 10%]
1-975-026	LCT Tray Fan Duty Adjustment	Custom Paper 026	ENG	[10 to 100 / 70 / 10%]
1-975-027	LCT Tray Fan Duty Adjustment	Custom Paper 027	ENG	[10 to 100 / 70 / 10%]
1-975-028	LCT Tray Fan Duty Adjustment	Custom Paper 028	ENG	[10 to 100 / 70 / 10%]
1-975-029	LCT Tray Fan Duty Adjustment	Custom Paper 029	ENG	[10 to 100 / 70 / 10%]
1-975-030	LCT Tray Fan Duty Adjustment	Custom Paper 030	ENG	[10 to 100 / 70 / 10%]
1-975-031	LCT Tray Fan Duty Adjustment	Custom Paper 031	ENG	[10 to 100 / 70 / 10%]
1-975-032	LCT Tray Fan Duty Adjustment	Custom Paper 032	ENG	[10 to 100 / 70 / 10%]
1-975-033	LCT Tray Fan Duty Adjustment	Custom Paper 033	ENG	[10 to 100 / 70 / 10%]
1-975-034	LCT Tray Fan Duty Adjustment	Custom Paper 034	ENG	[10 to 100 / 70 / 10%]
1-975-035	LCT Tray Fan Duty Adjustment	Custom Paper 035	ENG	[10 to 100 / 70 / 10%]
1-975-036	LCT Tray Fan Duty Adjustment	Custom Paper 036	ENG	[10 to 100 / 70 / 10%]
1-975-037	LCT Tray Fan Duty Adjustment	Custom Paper 037	ENG	[10 to 100 / 70 / 10%]
1-975-038	LCT Tray Fan Duty Adjustment	Custom Paper 038	ENG	[10 to 100 / 70 / 10%]
1-975-039	LCT Tray Fan Duty Adjustment	Custom Paper 039	ENG	[10 to 100 / 70 / 10%]
1-975-040	LCT Tray Fan Duty Adjustment	Custom Paper 040	ENG	[10 to 100 / 70 / 10%]
1-975-041	LCT Tray Fan Duty Adjustment	Custom Paper 041	ENG	[10 to 100 / 70 / 10%]
1-975-042	LCT Tray Fan Duty Adjustment	Custom Paper 042	ENG	[10 to 100 / 70 / 10%]
1-975-043	LCT Tray Fan Duty Adjustment	Custom Paper 043	ENG	[10 to 100 / 70 / 10%]
1-975-044	LCT Tray Fan Duty Adjustment	Custom Paper 044	ENG	[10 to 100 / 70 / 10%]
1-975-045	LCT Tray Fan Duty Adjustment	Custom Paper 045	ENG	[10 to 100 / 70 / 10%]
1-975-046	LCT Tray Fan Duty Adjustment	Custom Paper 046	ENG	[10 to 100 / 70 / 10%]
1-975-047	LCT Tray Fan Duty Adjustment	Custom Paper 047	ENG	[10 to 100 / 70 / 10%]
1-975-048	LCT Tray Fan Duty Adjustment	Custom Paper 048	ENG	[10 to 100 / 70 / 10%]
1-975-049	LCT Tray Fan Duty Adjustment	Custom Paper 049	ENG	[10 to 100 / 70 / 10%]
1-975-050	LCT Tray Fan Duty Adjustment	Custom Paper 050	ENG	[10 to 100 / 70 / 10%]
1-975-051	LCT Tray Fan Duty Adjustment	Custom Paper 051	ENG	[10 to 100 / 70 / 10%]
1-975-052	LCT Tray Fan Duty Adjustment	Custom Paper 052	ENG	[10 to 100 / 70 / 10%]
1-975-053	LCT Tray Fan Duty Adjustment	Custom Paper 053	ENG	[10 to 100 / 70 / 10%]
1-975-054	LCT Tray Fan Duty Adjustment	Custom Paper 054	ENG	[10 to 100 / 70 / 10%]
1-975-055	LCT Tray Fan Duty Adjustment	Custom Paper 055	ENG	[10 to 100 / 70 / 10%]
1-975-056	LCT Tray Fan Duty Adjustment	Custom Paper 056	ENG	[10 to 100 / 70 / 10%]
1-975-057	LCT Tray Fan Duty Adjustment	Custom Paper 057	ENG	[10 to 100 / 70 / 10%]

1-975-058	LCT Tray Fan Duty Adjustment	Custom Paper 058	ENG	[10 to 100 / 70 / 10%]
1-975-059	LCT Tray Fan Duty Adjustment	Custom Paper 059	ENG	[10 to 100 / 70 / 10%]
1-975-060	LCT Tray Fan Duty Adjustment	Custom Paper 060	ENG	[10 to 100 / 70 / 10%]
1-975-061	LCT Tray Fan Duty Adjustment	Custom Paper 061	ENG	[10 to 100 / 70 / 10%]
1-975-062	LCT Tray Fan Duty Adjustment	Custom Paper 062	ENG	[10 to 100 / 70 / 10%]
1-975-063	LCT Tray Fan Duty Adjustment	Custom Paper 063	ENG	[10 to 100 / 70 / 10%]
1-975-064	LCT Tray Fan Duty Adjustment	Custom Paper 064	ENG	[10 to 100 / 70 / 10%]
1-975-065	LCT Tray Fan Duty Adjustment	Custom Paper 065	ENG	[10 to 100 / 70 / 10%]
1-975-066	LCT Tray Fan Duty Adjustment	Custom Paper 066	ENG	[10 to 100 / 70 / 10%]
1-975-067	LCT Tray Fan Duty Adjustment	Custom Paper 067	ENG	[10 to 100 / 70 / 10%]
1-975-068	LCT Tray Fan Duty Adjustment	Custom Paper 068	ENG	[10 to 100 / 70 / 10%]
1-975-069	LCT Tray Fan Duty Adjustment	Custom Paper 069	ENG	[10 to 100 / 70 / 10%]
1-975-070	LCT Tray Fan Duty Adjustment	Custom Paper 070	ENG	[10 to 100 / 70 / 10%]
1-975-071	LCT Tray Fan Duty Adjustment	Custom Paper 071	ENG	[10 to 100 / 70 / 10%]
1-975-072	LCT Tray Fan Duty Adjustment	Custom Paper 072	ENG	[10 to 100 / 70 / 10%]
1-975-073	LCT Tray Fan Duty Adjustment	Custom Paper 073	ENG	[10 to 100 / 70 / 10%]
1-975-074	LCT Tray Fan Duty Adjustment	Custom Paper 074	ENG	[10 to 100 / 70 / 10%]
1-975-075	LCT Tray Fan Duty Adjustment	Custom Paper 075	ENG	[10 to 100 / 70 / 10%]
1-975-076	LCT Tray Fan Duty Adjustment	Custom Paper 076	ENG	[10 to 100 / 70 / 10%]
1-975-077	LCT Tray Fan Duty Adjustment	Custom Paper 077	ENG	[10 to 100 / 70 / 10%]
1-975-078	LCT Tray Fan Duty Adjustment	Custom Paper 078	ENG	[10 to 100 / 70 / 10%]
1-975-079	LCT Tray Fan Duty Adjustment	Custom Paper 079	ENG	[10 to 100 / 70 / 10%]
1-975-080	LCT Tray Fan Duty Adjustment	Custom Paper 080	ENG	[10 to 100 / 70 / 10%]
1-975-081	LCT Tray Fan Duty Adjustment	Custom Paper 081	ENG	[10 to 100 / 70 / 10%]
1-975-082	LCT Tray Fan Duty Adjustment	Custom Paper 082	ENG	[10 to 100 / 70 / 10%]
1-975-083	LCT Tray Fan Duty Adjustment	Custom Paper 083	ENG	[10 to 100 / 70 / 10%]
1-975-084	LCT Tray Fan Duty Adjustment	Custom Paper 084	ENG	[10 to 100 / 70 / 10%]
1-975-085	LCT Tray Fan Duty Adjustment	Custom Paper 085	ENG	[10 to 100 / 70 / 10%]
1-975-086	LCT Tray Fan Duty Adjustment	Custom Paper 086	ENG	[10 to 100 / 70 / 10%]
1-975-087	LCT Tray Fan Duty Adjustment	Custom Paper 087	ENG	[10 to 100 / 70 / 10%]
1-975-088	LCT Tray Fan Duty Adjustment	Custom Paper 088	ENG	[10 to 100 / 70 / 10%]
1-975-089	LCT Tray Fan Duty Adjustment	Custom Paper 089	ENG	[10 to 100 / 70 / 10%]
1-975-090	LCT Tray Fan Duty Adjustment	Custom Paper 090	ENG	[10 to 100 / 70 / 10%]
1-975-091	LCT Tray Fan Duty Adjustment	Custom Paper 091	ENG	[10 to 100 / 70 / 10%]
1-975-092	LCT Tray Fan Duty Adjustment	Custom Paper 092	ENG	[10 to 100 / 70 / 10%]
1-975-093	LCT Tray Fan Duty Adjustment	Custom Paper 093	ENG	[10 to 100 / 70 / 10%]
1-975-094	LCT Tray Fan Duty Adjustment	Custom Paper 094	ENG	[10 to 100 / 70 / 10%]
1-975-095	LCT Tray Fan Duty Adjustment	Custom Paper 095	ENG	[10 to 100 / 70 / 10%]

1-975-096	LCT Tray Fan Duty Adjustment	Custom Paper 096	ENG	[10 to 100 / 70 / 10%]
1-975-097	LCT Tray Fan Duty Adjustment	Custom Paper 097	ENG	[10 to 100 / 70 / 10%]
1-975-098	LCT Tray Fan Duty Adjustment	Custom Paper 098	ENG	[10 to 100 / 70 / 10%]
1-975-099	LCT Tray Fan Duty Adjustment	Custom Paper 099	ENG	[10 to 100 / 70 / 10%]
1-975-100	LCT Tray Fan Duty Adjustment	Custom Paper 100	ENG	[10 to 100 / 70 / 10%]
1-976-001	LCT Tray Fan ON/OFF	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-002	LCT Tray Fan ON/OFF	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-003	LCT Tray Fan ON/OFF	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-004	LCT Tray Fan ON/OFF	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-005	LCT Tray Fan ON/OFF	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-006	LCT Tray Fan ON/OFF	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-007	LCT Tray Fan ON/OFF	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-008	LCT Tray Fan ON/OFF	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-009	LCT Tray Fan ON/OFF	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-010	LCT Tray Fan ON/OFF	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-011	LCT Tray Fan ON/OFF	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-012	LCT Tray Fan ON/OFF	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-013	LCT Tray Fan ON/OFF	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-014	LCT Tray Fan ON/OFF	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-015	LCT Tray Fan ON/OFF	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-016	LCT Tray Fan ON/OFF	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-017	LCT Tray Fan ON/OFF	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-018	LCT Tray Fan ON/OFF	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-019	LCT Tray Fan ON/OFF	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-020	LCT Tray Fan ON/OFF	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-021	LCT Tray Fan ON/OFF	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-022	LCT Tray Fan ON/OFF	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-023	LCT Tray Fan ON/OFF	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-024	LCT Tray Fan ON/OFF	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-025	LCT Tray Fan ON/OFF	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-026	LCT Tray Fan ON/OFF	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-027	LCT Tray Fan ON/OFF	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-028	LCT Tray Fan ON/OFF	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-029	LCT Tray Fan ON/OFF	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-030	LCT Tray Fan ON/OFF	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-031	LCT Tray Fan ON/OFF	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-032	LCT Tray Fan ON/OFF	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-033	LCT Tray Fan ON/OFF	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-034	LCT Tray Fan ON/OFF	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-035	LCT Tray Fan ON/OFF	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-036	LCT Tray Fan ON/OFF	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-037	LCT Tray Fan ON/OFF	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-038	LCT Tray Fan ON/OFF	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-039	LCT Tray Fan ON/OFF	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-040	LCT Tray Fan ON/OFF	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-041	LCT Tray Fan ON/OFF	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-042	LCT Tray Fan ON/OFF	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-043	LCT Tray Fan ON/OFF	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-044	LCT Tray Fan ON/OFF	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-045	LCT Tray Fan ON/OFF	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-046	LCT Tray Fan ON/OFF	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-047	LCT Tray Fan ON/OFF	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-048	LCT Tray Fan ON/OFF	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-049	LCT Tray Fan ON/OFF	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-050	LCT Tray Fan ON/OFF	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-051	LCT Tray Fan ON/OFF	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-052	LCT Tray Fan ON/OFF	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-053	LCT Tray Fan ON/OFF	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-054	LCT Tray Fan ON/OFF	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-055	LCT Tray Fan ON/OFF	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-056	LCT Tray Fan ON/OFF	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-057	LCT Tray Fan ON/OFF	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-058	LCT Tray Fan ON/OFF	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-059	LCT Tray Fan ON/OFF	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-060	LCT Tray Fan ON/OFF	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-061	LCT Tray Fan ON/OFF	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-062	LCT Tray Fan ON/OFF	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-063	LCT Tray Fan ON/OFF	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-064	LCT Tray Fan ON/OFF	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-065	LCT Tray Fan ON/OFF	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-066	LCT Tray Fan ON/OFF	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-067	LCT Tray Fan ON/OFF	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-068	LCT Tray Fan ON/OFF	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-069	LCT Tray Fan ON/OFF	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-070	LCT Tray Fan ON/OFF	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-071	LCT Tray Fan ON/OFF	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-072	LCT Tray Fan ON/OFF	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-073	LCT Tray Fan ON/OFF	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-074	LCT Tray Fan ON/OFF	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-075	LCT Tray Fan ON/OFF	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-076	LCT Tray Fan ON/OFF	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-077	LCT Tray Fan ON/OFF	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-078	LCT Tray Fan ON/OFF	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-079	LCT Tray Fan ON/OFF	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-080	LCT Tray Fan ON/OFF	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-081	LCT Tray Fan ON/OFF	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-082	LCT Tray Fan ON/OFF	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-083	LCT Tray Fan ON/OFF	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-084	LCT Tray Fan ON/OFF	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-085	LCT Tray Fan ON/OFF	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-086	LCT Tray Fan ON/OFF	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-087	LCT Tray Fan ON/OFF	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-088	LCT Tray Fan ON/OFF	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-089	LCT Tray Fan ON/OFF	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-976-090	LCT Tray Fan ON/OFF	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-091	LCT Tray Fan ON/OFF	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-092	LCT Tray Fan ON/OFF	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-093	LCT Tray Fan ON/OFF	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-094	LCT Tray Fan ON/OFF	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-095	LCT Tray Fan ON/OFF	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-096	LCT Tray Fan ON/OFF	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-097	LCT Tray Fan ON/OFF	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-098	LCT Tray Fan ON/OFF	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-099	LCT Tray Fan ON/OFF	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-976-100	LCT Tray Fan ON/OFF	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-001	LCT Pickup Assist ON/OFF	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-002	LCT Pickup Assist ON/OFF	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-003	LCT Pickup Assist ON/OFF	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-004	LCT Pickup Assist ON/OFF	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-005	LCT Pickup Assist ON/OFF	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-006	LCT Pickup Assist ON/OFF	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-007	LCT Pickup Assist ON/OFF	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-008	LCT Pickup Assist ON/OFF	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-009	LCT Pickup Assist ON/OFF	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-010	LCT Pickup Assist ON/OFF	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-011	LCT Pickup Assist ON/OFF	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-012	LCT Pickup Assist ON/OFF	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-013	LCT Pickup Assist ON/OFF	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-014	LCT Pickup Assist ON/OFF	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-015	LCT Pickup Assist ON/OFF	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-016	LCT Pickup Assist ON/OFF	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-017	LCT Pickup Assist ON/OFF	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-018	LCT Pickup Assist ON/OFF	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-019	LCT Pickup Assist ON/OFF	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-020	LCT Pickup Assist ON/OFF	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-021	LCT Pickup Assist ON/OFF	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-022	LCT Pickup Assist ON/OFF	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-023	LCT Pickup Assist ON/OFF	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-024	LCT Pickup Assist ON/OFF	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-025	LCT Pickup Assist ON/OFF	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-026	LCT Pickup Assist ON/OFF	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-027	LCT Pickup Assist ON/OFF	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-028	LCT Pickup Assist ON/OFF	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-029	LCT Pickup Assist ON/OFF	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-030	LCT Pickup Assist ON/OFF	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-031	LCT Pickup Assist ON/OFF	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-032	LCT Pickup Assist ON/OFF	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-033	LCT Pickup Assist ON/OFF	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-034	LCT Pickup Assist ON/OFF	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-035	LCT Pickup Assist ON/OFF	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-036	LCT Pickup Assist ON/OFF	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-037	LCT Pickup Assist ON/OFF	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-038	LCT Pickup Assist ON/OFF	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-039	LCT Pickup Assist ON/OFF	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-040	LCT Pickup Assist ON/OFF	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-041	LCT Pickup Assist ON/OFF	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-042	LCT Pickup Assist ON/OFF	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-043	LCT Pickup Assist ON/OFF	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-044	LCT Pickup Assist ON/OFF	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-045	LCT Pickup Assist ON/OFF	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-046	LCT Pickup Assist ON/OFF	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-047	LCT Pickup Assist ON/OFF	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-048	LCT Pickup Assist ON/OFF	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-049	LCT Pickup Assist ON/OFF	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-050	LCT Pickup Assist ON/OFF	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-051	LCT Pickup Assist ON/OFF	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-052	LCT Pickup Assist ON/OFF	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-053	LCT Pickup Assist ON/OFF	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-054	LCT Pickup Assist ON/OFF	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-055	LCT Pickup Assist ON/OFF	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-056	LCT Pickup Assist ON/OFF	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-057	LCT Pickup Assist ON/OFF	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-058	LCT Pickup Assist ON/OFF	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-059	LCT Pickup Assist ON/OFF	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-060	LCT Pickup Assist ON/OFF	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-061	LCT Pickup Assist ON/OFF	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-062	LCT Pickup Assist ON/OFF	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-063	LCT Pickup Assist ON/OFF	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-064	LCT Pickup Assist ON/OFF	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-065	LCT Pickup Assist ON/OFF	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-066	LCT Pickup Assist ON/OFF	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-067	LCT Pickup Assist ON/OFF	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-068	LCT Pickup Assist ON/OFF	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-069	LCT Pickup Assist ON/OFF	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-070	LCT Pickup Assist ON/OFF	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-071	LCT Pickup Assist ON/OFF	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-072	LCT Pickup Assist ON/OFF	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-073	LCT Pickup Assist ON/OFF	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-074	LCT Pickup Assist ON/OFF	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-075	LCT Pickup Assist ON/OFF	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-076	LCT Pickup Assist ON/OFF	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-077	LCT Pickup Assist ON/OFF	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-078	LCT Pickup Assist ON/OFF	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-079	LCT Pickup Assist ON/OFF	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-080	LCT Pickup Assist ON/OFF	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-081	LCT Pickup Assist ON/OFF	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-082	LCT Pickup Assist ON/OFF	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-083	LCT Pickup Assist ON/OFF	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-084	LCT Pickup Assist ON/OFF	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-085	LCT Pickup Assist ON/OFF	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-086	LCT Pickup Assist ON/OFF	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-087	LCT Pickup Assist ON/OFF	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-088	LCT Pickup Assist ON/OFF	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-089	LCT Pickup Assist ON/OFF	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-090	LCT Pickup Assist ON/OFF	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-091	LCT Pickup Assist ON/OFF	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-092	LCT Pickup Assist ON/OFF	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-093	LCT Pickup Assist ON/OFF	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

1-977-094	LCT Pickup Assist ON/OFF	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-095	LCT Pickup Assist ON/OFF	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-096	LCT Pickup Assist ON/OFF	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-097	LCT Pickup Assist ON/OFF	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-098	LCT Pickup Assist ON/OFF	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-099	LCT Pickup Assist ON/OFF	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-977-100	LCT Pickup Assist ON/OFF	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

SP Group 1000-06

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-980-001	HP Drive Motor Fine Adj.	Custom Paper 001	ENG	[-50 to 50 / 0 / 0.1%]
1-980-002	HP Drive Motor Fine Adj.	Custom Paper 002	ENG	[-50 to 50 / 0 / 0.1%]
1-980-003	HP Drive Motor Fine Adj.	Custom Paper 003	ENG	[-50 to 50 / 0 / 0.1%]
1-980-004	HP Drive Motor Fine Adj.	Custom Paper 004	ENG	[-50 to 50 / 0 / 0.1%]
1-980-005	HP Drive Motor Fine Adj.	Custom Paper 005	ENG	[-50 to 50 / 0 / 0.1%]
1-980-006	HP Drive Motor Fine Adj.	Custom Paper 006	ENG	[-50 to 50 / 0 / 0.1%]
1-980-007	HP Drive Motor Fine Adj.	Custom Paper 007	ENG	[-50 to 50 / 0 / 0.1%]
1-980-008	HP Drive Motor Fine Adj.	Custom Paper 008	ENG	[-50 to 50 / 0 / 0.1%]
1-980-009	HP Drive Motor Fine Adj.	Custom Paper 009	ENG	[-50 to 50 / 0 / 0.1%]
1-980-010	HP Drive Motor Fine Adj.	Custom Paper 010	ENG	[-50 to 50 / 0 / 0.1%]
1-980-011	HP Drive Motor Fine Adj.	Custom Paper 011	ENG	[-50 to 50 / 0 / 0.1%]
1-980-012	HP Drive Motor Fine Adj.	Custom Paper 012	ENG	[-50 to 50 / 0 / 0.1%]
1-980-013	HP Drive Motor Fine Adj.	Custom Paper 013	ENG	[-50 to 50 / 0 / 0.1%]
1-980-014	HP Drive Motor Fine Adj.	Custom Paper 014	ENG	[-50 to 50 / 0 / 0.1%]
1-980-015	HP Drive Motor Fine Adj.	Custom Paper 015	ENG	[-50 to 50 / 0 / 0.1%]
1-980-016	HP Drive Motor Fine Adj.	Custom Paper 016	ENG	[-50 to 50 / 0 / 0.1%]
1-980-017	HP Drive Motor Fine Adj.	Custom Paper 017	ENG	[-50 to 50 / 0 / 0.1%]
1-980-018	HP Drive Motor Fine Adj.	Custom Paper 018	ENG	[-50 to 50 / 0 / 0.1%]
1-980-019	HP Drive Motor Fine Adj.	Custom Paper 019	ENG	[-50 to 50 / 0 / 0.1%]
1-980-020	HP Drive Motor Fine Adj.	Custom Paper 020	ENG	[-50 to 50 / 0 / 0.1%]
1-980-021	HP Drive Motor Fine Adj.	Custom Paper 021	ENG	[-50 to 50 / 0 / 0.1%]
1-980-022	HP Drive Motor Fine Adj.	Custom Paper 022	ENG	[-50 to 50 / 0 / 0.1%]
1-980-023	HP Drive Motor Fine Adj.	Custom Paper 023	ENG	[-50 to 50 / 0 / 0.1%]
1-980-024	HP Drive Motor Fine Adj.	Custom Paper 024	ENG	[-50 to 50 / 0 / 0.1%]
1-980-025	HP Drive Motor Fine Adj.	Custom Paper 025	ENG	[-50 to 50 / 0 / 0.1%]
1-980-026	HP Drive Motor Fine Adj.	Custom Paper 026	ENG	[-50 to 50 / 0 / 0.1%]
1-980-027	HP Drive Motor Fine Adj.	Custom Paper 027	ENG	[-50 to 50 / 0 / 0.1%]
1-980-028	HP Drive Motor Fine Adj.	Custom Paper 028	ENG	[-50 to 50 / 0 / 0.1%]
1-980-029	HP Drive Motor Fine Adj.	Custom Paper 029	ENG	[-50 to 50 / 0 / 0.1%]
1-980-030	HP Drive Motor Fine Adj.	Custom Paper 030	ENG	[-50 to 50 / 0 / 0.1%]
1-980-031	HP Drive Motor Fine Adj.	Custom Paper 031	ENG	[-50 to 50 / 0 / 0.1%]
1-980-032	HP Drive Motor Fine Adj.	Custom Paper 032	ENG	[-50 to 50 / 0 / 0.1%]
1-980-033	HP Drive Motor Fine Adj.	Custom Paper 033	ENG	[-50 to 50 / 0 / 0.1%]
1-980-034	HP Drive Motor Fine Adj.	Custom Paper 034	ENG	[-50 to 50 / 0 / 0.1%]
1-980-035	HP Drive Motor Fine Adj.	Custom Paper 035	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-980-036	HP Drive Motor Fine Adj.	Custom Paper 036	ENG	[-50 to 50 / 0 / 0.1%]
1-980-037	HP Drive Motor Fine Adj.	Custom Paper 037	ENG	[-50 to 50 / 0 / 0.1%]
1-980-038	HP Drive Motor Fine Adj.	Custom Paper 038	ENG	[-50 to 50 / 0 / 0.1%]
1-980-039	HP Drive Motor Fine Adj.	Custom Paper 039	ENG	[-50 to 50 / 0 / 0.1%]
1-980-040	HP Drive Motor Fine Adj.	Custom Paper 040	ENG	[-50 to 50 / 0 / 0.1%]
1-980-041	HP Drive Motor Fine Adj.	Custom Paper 041	ENG	[-50 to 50 / 0 / 0.1%]
1-980-042	HP Drive Motor Fine Adj.	Custom Paper 042	ENG	[-50 to 50 / 0 / 0.1%]
1-980-043	HP Drive Motor Fine Adj.	Custom Paper 043	ENG	[-50 to 50 / 0 / 0.1%]
1-980-044	HP Drive Motor Fine Adj.	Custom Paper 044	ENG	[-50 to 50 / 0 / 0.1%]
1-980-045	HP Drive Motor Fine Adj.	Custom Paper 045	ENG	[-50 to 50 / 0 / 0.1%]
1-980-046	HP Drive Motor Fine Adj.	Custom Paper 046	ENG	[-50 to 50 / 0 / 0.1%]
1-980-047	HP Drive Motor Fine Adj.	Custom Paper 047	ENG	[-50 to 50 / 0 / 0.1%]
1-980-048	HP Drive Motor Fine Adj.	Custom Paper 048	ENG	[-50 to 50 / 0 / 0.1%]
1-980-049	HP Drive Motor Fine Adj.	Custom Paper 049	ENG	[-50 to 50 / 0 / 0.1%]
1-980-050	HP Drive Motor Fine Adj.	Custom Paper 050	ENG	[-50 to 50 / 0 / 0.1%]
1-980-051	HP Drive Motor Fine Adj.	Custom Paper 051	ENG	[-50 to 50 / 0 / 0.1%]
1-980-052	HP Drive Motor Fine Adj.	Custom Paper 052	ENG	[-50 to 50 / 0 / 0.1%]
1-980-053	HP Drive Motor Fine Adj.	Custom Paper 053	ENG	[-50 to 50 / 0 / 0.1%]
1-980-054	HP Drive Motor Fine Adj.	Custom Paper 054	ENG	[-50 to 50 / 0 / 0.1%]
1-980-055	HP Drive Motor Fine Adj.	Custom Paper 055	ENG	[-50 to 50 / 0 / 0.1%]
1-980-056	HP Drive Motor Fine Adj.	Custom Paper 056	ENG	[-50 to 50 / 0 / 0.1%]
1-980-057	HP Drive Motor Fine Adj.	Custom Paper 057	ENG	[-50 to 50 / 0 / 0.1%]
1-980-058	HP Drive Motor Fine Adj.	Custom Paper 058	ENG	[-50 to 50 / 0 / 0.1%]
1-980-059	HP Drive Motor Fine Adj.	Custom Paper 059	ENG	[-50 to 50 / 0 / 0.1%]
1-980-060	HP Drive Motor Fine Adj.	Custom Paper 060	ENG	[-50 to 50 / 0 / 0.1%]
1-980-061	HP Drive Motor Fine Adj.	Custom Paper 061	ENG	[-50 to 50 / 0 / 0.1%]
1-980-062	HP Drive Motor Fine Adj.	Custom Paper 062	ENG	[-50 to 50 / 0 / 0.1%]
1-980-063	HP Drive Motor Fine Adj.	Custom Paper 063	ENG	[-50 to 50 / 0 / 0.1%]
1-980-064	HP Drive Motor Fine Adj.	Custom Paper 064	ENG	[-50 to 50 / 0 / 0.1%]
1-980-065	HP Drive Motor Fine Adj.	Custom Paper 065	ENG	[-50 to 50 / 0 / 0.1%]
1-980-066	HP Drive Motor Fine Adj.	Custom Paper 066	ENG	[-50 to 50 / 0 / 0.1%]
1-980-067	HP Drive Motor Fine Adj.	Custom Paper 067	ENG	[-50 to 50 / 0 / 0.1%]
1-980-068	HP Drive Motor Fine Adj.	Custom Paper 068	ENG	[-50 to 50 / 0 / 0.1%]
1-980-069	HP Drive Motor Fine Adj.	Custom Paper 069	ENG	[-50 to 50 / 0 / 0.1%]
1-980-070	HP Drive Motor Fine Adj.	Custom Paper 070	ENG	[-50 to 50 / 0 / 0.1%]
1-980-071	HP Drive Motor Fine Adj.	Custom Paper 071	ENG	[-50 to 50 / 0 / 0.1%]
1-980-072	HP Drive Motor Fine Adj.	Custom Paper 072	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-980-073	HP Drive Motor Fine Adj.	Custom Paper 073	ENG	[-50 to 50 / 0 / 0.1%]
1-980-074	HP Drive Motor Fine Adj.	Custom Paper 074	ENG	[-50 to 50 / 0 / 0.1%]
1-980-075	HP Drive Motor Fine Adj.	Custom Paper 075	ENG	[-50 to 50 / 0 / 0.1%]
1-980-076	HP Drive Motor Fine Adj.	Custom Paper 076	ENG	[-50 to 50 / 0 / 0.1%]
1-980-077	HP Drive Motor Fine Adj.	Custom Paper 077	ENG	[-50 to 50 / 0 / 0.1%]
1-980-078	HP Drive Motor Fine Adj.	Custom Paper 078	ENG	[-50 to 50 / 0 / 0.1%]
1-980-079	HP Drive Motor Fine Adj.	Custom Paper 079	ENG	[-50 to 50 / 0 / 0.1%]
1-980-080	HP Drive Motor Fine Adj.	Custom Paper 080	ENG	[-50 to 50 / 0 / 0.1%]
1-980-081	HP Drive Motor Fine Adj.	Custom Paper 081	ENG	[-50 to 50 / 0 / 0.1%]
1-980-082	HP Drive Motor Fine Adj.	Custom Paper 082	ENG	[-50 to 50 / 0 / 0.1%]
1-980-083	HP Drive Motor Fine Adj.	Custom Paper 083	ENG	[-50 to 50 / 0 / 0.1%]
1-980-084	HP Drive Motor Fine Adj.	Custom Paper 084	ENG	[-50 to 50 / 0 / 0.1%]
1-980-085	HP Drive Motor Fine Adj.	Custom Paper 085	ENG	[-50 to 50 / 0 / 0.1%]
1-980-086	HP Drive Motor Fine Adj.	Custom Paper 086	ENG	[-50 to 50 / 0 / 0.1%]
1-980-087	HP Drive Motor Fine Adj.	Custom Paper 087	ENG	[-50 to 50 / 0 / 0.1%]
1-980-088	HP Drive Motor Fine Adj.	Custom Paper 088	ENG	[-50 to 50 / 0 / 0.1%]
1-980-089	HP Drive Motor Fine Adj.	Custom Paper 089	ENG	[-50 to 50 / 0 / 0.1%]
1-980-090	HP Drive Motor Fine Adj.	Custom Paper 090	ENG	[-50 to 50 / 0 / 0.1%]
1-980-091	HP Drive Motor Fine Adj.	Custom Paper 091	ENG	[-50 to 50 / 0 / 0.1%]
1-980-092	HP Drive Motor Fine Adj.	Custom Paper 092	ENG	[-50 to 50 / 0 / 0.1%]
1-980-093	HP Drive Motor Fine Adj.	Custom Paper 093	ENG	[-50 to 50 / 0 / 0.1%]
1-980-094	HP Drive Motor Fine Adj.	Custom Paper 094	ENG	[-50 to 50 / 0 / 0.1%]
1-980-095	HP Drive Motor Fine Adj.	Custom Paper 095	ENG	[-50 to 50 / 0 / 0.1%]
1-980-096	HP Drive Motor Fine Adj.	Custom Paper 096	ENG	[-50 to 50 / 0 / 0.1%]
1-980-097	HP Drive Motor Fine Adj.	Custom Paper 097	ENG	[-50 to 50 / 0 / 0.1%]
1-980-098	HP Drive Motor Fine Adj.	Custom Paper 098	ENG	[-50 to 50 / 0 / 0.1%]
1-980-099	HP Drive Motor Fine Adj.	Custom Paper 099	ENG	[-50 to 50 / 0 / 0.1%]
1-980-100	HP Drive Motor Fine Adj.	Custom Paper 100	ENG	[-50 to 50 / 0 / 0.1%]
1-983-100	Htg Roller Temp Setting:Hasty	Plain:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-983-101	Htg Roller Temp Setting:Hasty	Plain:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:160 *Pro 8210S/8210Y:165 *Pro 8220S/8220Y:170
1-983-102	Htg Roller Temp Setting:Hasty	Plain:Weight 2	ENG	[100 to 200 / * / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8200S:165 *Pro 8210S/8210Y:170 *Pro 8220S/8220Y:175
1-983-103	Htg Roller Temp Setting:Hasty	Plain:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-104	Htg Roller Temp Setting:Hasty	Plain:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-105	Htg Roller Temp Setting:Hasty	Plain:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-106	Htg Roller Temp Setting:Hasty	Plain:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-107	Htg Roller Temp Setting:Hasty	Plain:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-108	Htg Roller Temp Setting:Hasty	Plain:Weight 8	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-120	Htg Roller Temp Setting:Hasty	Matte:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:150 *Pro 8210S/8210Y:155 *Pro 8220S/8220Y:160
1-983-121	Htg Roller Temp Setting:Hasty	Matte:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-983-122	Htg Roller Temp Setting:Hasty	Matte:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:165 *Pro 8210S/8210Y:170

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:175
1-983-123	Htg Roller Temp Setting:Hasty	Matte:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175 *Pro 8220S/8220Y:180
1-983-124	Htg Roller Temp Setting:Hasty	Matte:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175 *Pro 8220S/8220Y:180
1-983-125	Htg Roller Temp Setting:Hasty	Matte:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-126	Htg Roller Temp Setting:Hasty	Matte:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-127	Htg Roller Temp Setting:Hasty	Matte:Weight 7	ENG	[100 to 200 / 185 / 1deg]
1-983-128	Htg Roller Temp Setting:Hasty	Matte:Weight 8	ENG	[100 to 200 / 185 / 1deg]
1-983-140	Htg Roller Temp Setting:Hasty	Glossy:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:150 *Pro 8210S/8210Y:155 *Pro 8220S/8220Y:160
1-983-141	Htg Roller Temp Setting:Hasty	Glossy:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-983-142	Htg Roller Temp Setting:Hasty	Glossy:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:165 *Pro 8210S/8210Y:170 *Pro 8220S/8220Y:175
1-983-143	Htg Roller Temp Setting:Hasty	Glossy:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175 *Pro 8220S/8220Y:180
1-983-144	Htg Roller Temp Setting:Hasty	Glossy:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:180
1-983-145	Htg Roller Temp Setting:Hasty	Glossy:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-146	Htg Roller Temp Setting:Hasty	Glossy:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-147	Htg Roller Temp Setting:Hasty	Glossy:Weight 7	ENG	[100 to 200 / 185 / 1deg]
1-983-148	Htg Roller Temp Setting:Hasty	Glossy:Weight 8	ENG	[100 to 200 / 185 / 1deg]
1-983-165	Htg Roller Temp Setting:Hasty	Envelope:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-166	Htg Roller Temp Setting:Hasty	Envelope:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-167	Htg Roller Temp Setting:Hasty	Envelope:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-175	Htg Roller Temp Setting:Hasty	OHP	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-180	Htg Roller Temp Setting:Hasty	CCP:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-983-181	Htg Roller Temp Setting:Hasty	CCP:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:160 *Pro 8210S/8210Y:165 *Pro 8220S/8220Y:170
1-983-182	Htg Roller Temp Setting:Hasty	CCP:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:165 *Pro 8210S/8210Y:170

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:175
1-983-183	Htg Roller Temp Setting:Hasty	CCP:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-184	Htg Roller Temp Setting:Hasty	CCP:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-185	Htg Roller Temp Setting:Hasty	CCP:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-186	Htg Roller Temp Setting:Hasty	CCP:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-187	Htg Roller Temp Setting:Hasty	CCP:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-983-188	Htg Roller Temp Setting:Hasty	CCP:Weight 8	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-100	Htg Roller Temp Setting	Plain:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:130 *Pro 8210S/8210Y:135 *Pro 8220S/8220Y:140
1-984-101	Htg Roller Temp Setting	Plain:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:145 *Pro 8210S/8210Y:150 *Pro 8220S/8220Y:155
1-984-102	Htg Roller Temp Setting	Plain:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:160 *Pro 8210S/8210Y:165 *Pro 8220S/8220Y:170
1-984-103	Htg Roller Temp Setting	Plain:Weight 3	ENG	[100 to 200 / * / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-104	Htg Roller Temp Setting	Plain:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-105	Htg Roller Temp Setting	Plain:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-106	Htg Roller Temp Setting	Plain:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-107	Htg Roller Temp Setting	Plain:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-108	Htg Roller Temp Setting	Plain:Weight 8	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-120	Htg Roller Temp Setting	Matte:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:130 *Pro 8210S/8210Y:135 *Pro 8220S/8220Y:140
1-984-121	Htg Roller Temp Setting	Matte:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:135 *Pro 8210S/8210Y:140 *Pro 8220S/8220Y:145
1-984-122	Htg Roller Temp Setting	Matte:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-984-123	Htg Roller Temp Setting	Matte:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:165
1-984-124	Htg Roller Temp Setting	Matte:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175 *Pro 8220S/8220Y:180
1-984-125	Htg Roller Temp Setting	Matte:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-126	Htg Roller Temp Setting	Matte:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-127	Htg Roller Temp Setting	Matte:Weight 7	ENG	[100 to 200 / 185 / 1deg]
1-984-128	Htg Roller Temp Setting	Matte:Weight 8	ENG	[100 to 200 / 185 / 1deg]
1-984-140	Htg Roller Temp Setting	Glossy:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:130 *Pro 8210S/8210Y:135 *Pro 8220S/8220Y:140
1-984-141	Htg Roller Temp Setting	Glossy:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:135 *Pro 8210S/8210Y:140 *Pro 8220S/8220Y:145
1-984-142	Htg Roller Temp Setting	Glossy:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-984-143	Htg Roller Temp Setting	Glossy:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:155 *Pro 8210S/8210Y:160 *Pro 8220S/8220Y:165
1-984-144	Htg Roller Temp Setting	Glossy:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:170 *Pro 8210S/8210Y:175 *Pro 8220S/8220Y:180
1-984-145	Htg Roller Temp Setting	Glossy:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:185
1-984-146	Htg Roller Temp Setting	Glossy:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-147	Htg Roller Temp Setting	Glossy:Weight 7	ENG	[100 to 200 / 185 / 1deg]
1-984-148	Htg Roller Temp Setting	Glossy:Weight 8	ENG	[100 to 200 / 185 / 1deg]
1-984-165	Htg Roller Temp Setting	Envelope:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-166	Htg Roller Temp Setting	Envelope:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-167	Htg Roller Temp Setting	Envelope:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-175	Htg Roller Temp Setting	OHP	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-180	Htg Roller Temp Setting	CCP:Weight 0	ENG	[100 to 200 / * / 1deg] *Pro 8200S:140 *Pro 8210S/8210Y:145 *Pro 8220S/8220Y:150
1-984-181	Htg Roller Temp Setting	CCP:Weight 1	ENG	[100 to 200 / * / 1deg] *Pro 8200S:145 *Pro 8210S/8210Y:150 *Pro 8220S/8220Y:155
1-984-182	Htg Roller Temp Setting	CCP:Weight 2	ENG	[100 to 200 / * / 1deg] *Pro 8200S:160 *Pro 8210S/8210Y:165 *Pro 8220S/8220Y:170
1-984-183	Htg Roller Temp Setting	CCP:Weight 3	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:185
1-984-184	Htg Roller Temp Setting	CCP:Weight 4	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-185	Htg Roller Temp Setting	CCP:Weight 5	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-186	Htg Roller Temp Setting	CCP:Weight 6	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-187	Htg Roller Temp Setting	CCP:Weight 7	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-984-188	Htg Roller Temp Setting	CCP:Weight 8	ENG	[100 to 200 / * / 1deg] *Pro 8200S:175 *Pro 8210S/8210Y:180 *Pro 8220S/8220Y:185
1-985-100	Pressure Roller Temp Setting	Plain:Weight 0	ENG	[50 to 200 / 90 / 1deg]
1-985-101	Pressure Roller Temp Setting	Plain:Weight 1	ENG	[50 to 200 / 90 / 1deg]
1-985-102	Pressure Roller Temp Setting	Plain:Weight 2	ENG	[50 to 200 / 90 / 1deg]
1-985-103	Pressure Roller Temp Setting	Plain:Weight 3	ENG	[50 to 200 / 90 / 1deg]
1-985-104	Pressure Roller Temp Setting	Plain:Weight 4	ENG	[50 to 200 / 90 / 1deg]
1-985-105	Pressure Roller Temp Setting	Plain:Weight 5	ENG	[50 to 200 / 90 / 1deg]
1-985-106	Pressure Roller Temp Setting	Plain:Weight 6	ENG	[50 to 200 / 90 / 1deg]
1-985-107	Pressure Roller Temp Setting	Plain:Weight 7	ENG	[50 to 200 / 90 / 1deg]
1-985-108	Pressure Roller Temp Setting	Plain:Weight 8	ENG	[50 to 200 / 90 / 1deg]
1-985-120	Pressure Roller Temp Setting	Matte:Weight 0	ENG	[50 to 200 / 90 / 1deg]
1-985-121	Pressure Roller Temp Setting	Matte:Weight 1	ENG	[50 to 200 / 90 / 1deg]
1-985-122	Pressure Roller Temp Setting	Matte:Weight 2	ENG	[50 to 200 / 90 / 1deg]
1-985-123	Pressure Roller Temp Setting	Matte:Weight 3	ENG	[50 to 200 / 90 / 1deg]
1-985-124	Pressure Roller Temp Setting	Matte:Weight 4	ENG	[50 to 200 / 90 / 1deg]
1-985-125	Pressure Roller Temp Setting	Matte:Weight 5	ENG	[50 to 200 / 90 / 1deg]
1-985-126	Pressure Roller Temp Setting	Matte:Weight 6	ENG	[50 to 200 / 90 / 1deg]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-985-127	Pressure Roller Temp Setting	Matte:Weight 7	ENG	[50 to 200 / 90 / 1deg]
1-985-128	Pressure Roller Temp Setting	Matte:Weight 8	ENG	[50 to 200 / 90 / 1deg]
1-985-140	Pressure Roller Temp Setting	Glossy:Weight 0	ENG	[50 to 200 / 90 / 1deg]
1-985-141	Pressure Roller Temp Setting	Glossy:Weight 1	ENG	[50 to 200 / 90 / 1deg]
1-985-142	Pressure Roller Temp Setting	Glossy:Weight 2	ENG	[50 to 200 / 90 / 1deg]
1-985-143	Pressure Roller Temp Setting	Glossy:Weight 3	ENG	[50 to 200 / 90 / 1deg]
1-985-144	Pressure Roller Temp Setting	Glossy:Weight 4	ENG	[50 to 200 / 90 / 1deg]
1-985-145	Pressure Roller Temp Setting	Glossy:Weight 5	ENG	[50 to 200 / 90 / 1deg]
1-985-146	Pressure Roller Temp Setting	Glossy:Weight 6	ENG	[50 to 200 / 90 / 1deg]
1-985-147	Pressure Roller Temp Setting	Glossy:Weight 7	ENG	[50 to 200 / 90 / 1deg]
1-985-148	Pressure Roller Temp Setting	Glossy:Weight 8	ENG	[50 to 200 / 90 / 1deg]
1-985-165	Pressure Roller Temp Setting	Envelope:Weight 5	ENG	[50 to 200 / 90 / 1deg]
1-985-166	Pressure Roller Temp Setting	Envelope:Weight 6	ENG	[50 to 200 / 90 / 1deg]
1-985-167	Pressure Roller Temp Setting	Envelope:Weight 7	ENG	[50 to 200 / 90 / 1deg]
1-985-175	Pressure Roller Temp Setting	OHP	ENG	[50 to 200 / 90 / 1deg]
1-985-180	Pressure Roller Temp Setting	CCP:Weight 0	ENG	[50 to 200 / 90 / 1deg]
1-985-181	Pressure Roller Temp Setting	CCP:Weight 1	ENG	[50 to 200 / 90 / 1deg]
1-985-182	Pressure Roller Temp Setting	CCP:Weight 2	ENG	[50 to 200 / 90 / 1deg]
1-985-183	Pressure Roller Temp Setting	CCP:Weight 3	ENG	[50 to 200 / 90 / 1deg]
1-985-184	Pressure Roller Temp Setting	CCP:Weight 4	ENG	[50 to 200 / 90 / 1deg]
1-985-185	Pressure Roller Temp Setting	CCP:Weight 5	ENG	[50 to 200 / 90 / 1deg]
1-985-186	Pressure Roller Temp Setting	CCP:Weight 6	ENG	[50 to 200 / 90 / 1deg]
1-985-187	Pressure Roller Temp Setting	CCP:Weight 7	ENG	[50 to 200 / 90 / 1deg]
1-985-188	Pressure Roller Temp Setting	CCP:Weight 8	ENG	[50 to 200 / 90 / 1deg]
1-986-100	Process Speed	Plain:Weight 0	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-101	Process Speed	Plain:Weight 1	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-102	Process Speed	Plain:Weight 2	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-103	Process Speed	Plain:Weight 3	ENG	[0 to 2 / * / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-104	Process Speed	Plain:Weight 4	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-105	Process Speed	Plain:Weight 5	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-106	Process Speed	Plain:Weight 6	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-107	Process Speed	Plain:Weight 7	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-108	Process Speed	Plain:Weight 8	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-120	Process Speed	Matte:Weight 0	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-121	Process Speed	Matte:Weight 1	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-122	Process Speed	Matte:Weight 2	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-123	Process Speed	Matte:Weight 3	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:2
1-986-124	Process Speed	Matte:Weight 4	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-125	Process Speed	Matte:Weight 5	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-126	Process Speed	Matte:Weight 6	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-127	Process Speed	Matte:Weight 7	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:0 *Pro 8220S/8220Y:2
1-986-128	Process Speed	Matte:Weight 8	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:0 *Pro 8220S/8220Y:2
1-986-140	Process Speed	Glossy:Weight 0	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-141	Process Speed	Glossy:Weight 1	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-142	Process Speed	Glossy:Weight 2	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-143	Process Speed	Glossy:Weight 3	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-144	Process Speed	Glossy:Weight 4	ENG	[0 to 2 / * / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-145	Process Speed	Glossy:Weight 5	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-146	Process Speed	Glossy:Weight 6	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-147	Process Speed	Glossy:Weight 7	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:0 *Pro 8220S/8220Y:2
1-986-148	Process Speed	Glossy:Weight 8	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:0 *Pro 8220S/8220Y:2
1-986-165	Process Speed	Envelope:Weight 5	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-166	Process Speed	Envelope:Weight 6	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-167	Process Speed	Envelope:Weight 7	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-175	Process Speed	OHP	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-180	Process Speed	CCP:Weight 0	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				*Pro 8220S/8220Y:2
1-986-181	Process Speed	CCP:Weight 1	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-182	Process Speed	CCP:Weight 2	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-183	Process Speed	CCP:Weight 3	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-184	Process Speed	CCP:Weight 4	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-185	Process Speed	CCP:Weight 5	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-186	Process Speed	CCP:Weight 6	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-187	Process Speed	CCP:Weight 7	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-986-188	Process Speed	CCP:Weight 8	ENG	[0 to 2 / * / 1] *Pro 8200S:0 *Pro 8210S/8210Y:1 *Pro 8220S/8220Y:2
1-987-100	Fusing Mtr Rotation Correct	Plain:Weight 0	ENG	[-100 to 100 / 0 / 0.1%]
1-987-101	Fusing Mtr Rotation Correct	Plain:Weight 1	ENG	[-100 to 100 / 0 / 0.1%]
1-987-102	Fusing Mtr Rotation Correct	Plain:Weight 2	ENG	[-100 to 100 / 0 / 0.1%]
1-987-103	Fusing Mtr Rotation Correct	Plain:Weight 3	ENG	[-100 to 100 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-987-104	Fusing Mtr Rotation Correct	Plain:Weight 4	ENG	[-100 to 100 / 0 / 0.1%]
1-987-105	Fusing Mtr Rotation Correct	Plain:Weight 5	ENG	[-100 to 100 / 0 / 0.1%]
1-987-106	Fusing Mtr Rotation Correct	Plain:Weight 6	ENG	[-100 to 100 / 0 / 0.1%]
1-987-107	Fusing Mtr Rotation Correct	Plain:Weight 7	ENG	[-100 to 100 / 0 / 0.1%]
1-987-108	Fusing Mtr Rotation Correct	Plain:Weight 8	ENG	[-100 to 100 / 0 / 0.1%]
1-987-120	Fusing Mtr Rotation Correct	Matte:Weight 0	ENG	[-100 to 100 / 0 / 0.1%]
1-987-121	Fusing Mtr Rotation Correct	Matte:Weight 1	ENG	[-100 to 100 / 0 / 0.1%]
1-987-122	Fusing Mtr Rotation Correct	Matte:Weight 2	ENG	[-100 to 100 / 0 / 0.1%]
1-987-123	Fusing Mtr Rotation Correct	Matte:Weight 3	ENG	[-100 to 100 / 0 / 0.1%]
1-987-124	Fusing Mtr Rotation Correct	Matte:Weight 4	ENG	[-100 to 100 / 0 / 0.1%]
1-987-125	Fusing Mtr Rotation Correct	Matte:Weight 5	ENG	[-100 to 100 / 0 / 0.1%]
1-987-126	Fusing Mtr Rotation Correct	Matte:Weight 6	ENG	[-100 to 100 / 0 / 0.1%]
1-987-127	Fusing Mtr Rotation Correct	Matte:Weight 7	ENG	[-100 to 100 / 0 / 0.1%]
1-987-128	Fusing Mtr Rotation Correct	Matte:Weight 8	ENG	[-100 to 100 / 0 / 0.1%]
1-987-140	Fusing Mtr Rotation Correct	Glossy:Weight 0	ENG	[-100 to 100 / 0 / 0.1%]
1-987-141	Fusing Mtr Rotation Correct	Glossy:Weight 1	ENG	[-100 to 100 / 0 / 0.1%]
1-987-142	Fusing Mtr Rotation Correct	Glossy:Weight 2	ENG	[-100 to 100 / 0 / 0.1%]
1-987-143	Fusing Mtr Rotation Correct	Glossy:Weight 3	ENG	[-100 to 100 / 0 / 0.1%]
1-987-144	Fusing Mtr Rotation Correct	Glossy:Weight 4	ENG	[-100 to 100 / 0 / 0.1%]
1-987-145	Fusing Mtr Rotation Correct	Glossy:Weight 5	ENG	[-100 to 100 / 0 / 0.1%]
1-987-146	Fusing Mtr Rotation Correct	Glossy:Weight 6	ENG	[-100 to 100 / 0 / 0.1%]
1-987-147	Fusing Mtr Rotation Correct	Glossy:Weight 7	ENG	[-100 to 100 / 0 / 0.1%]
1-987-148	Fusing Mtr Rotation Correct	Glossy:Weight 8	ENG	[-100 to 100 / 0 / 0.1%]
1-987-165	Fusing Mtr Rotation Correct	Envelope:Weight 5	ENG	[-100 to 100 / 0 / 0.1%]
1-987-166	Fusing Mtr Rotation Correct	Envelope:Weight 6	ENG	[-100 to 100 / 0 / 0.1%]
1-987-167	Fusing Mtr Rotation Correct	Envelope:Weight 7	ENG	[-100 to 100 / 0 / 0.1%]
1-987-175	Fusing Mtr Rotation Correct	OHP	ENG	[-100 to 100 / 0 / 0.1%]
1-987-180	Fusing Mtr Rotation Correct	CCP:Weight 0	ENG	[-100 to 100 / 0 / 0.1%]
1-987-181	Fusing Mtr Rotation Correct	CCP:Weight 1	ENG	[-100 to 100 / 0 / 0.1%]
1-987-182	Fusing Mtr Rotation Correct	CCP:Weight 2	ENG	[-100 to 100 / 0 / 0.1%]
1-987-183	Fusing Mtr Rotation Correct	CCP:Weight 3	ENG	[-100 to 100 / 0 / 0.1%]
1-987-184	Fusing Mtr Rotation Correct	CCP:Weight 4	ENG	[-100 to 100 / 0 / 0.1%]
1-987-185	Fusing Mtr Rotation Correct	CCP:Weight 5	ENG	[-100 to 100 / 0 / 0.1%]
1-987-186	Fusing Mtr Rotation Correct	CCP:Weight 6	ENG	[-100 to 100 / 0 / 0.1%]
1-987-187	Fusing Mtr Rotation Correct	CCP:Weight 7	ENG	[-100 to 100 / 0 / 0.1%]
1-987-188	Fusing Mtr Rotation Correct	CCP:Weight 8	ENG	[-100 to 100 / 0 / 0.1%]
1-988-100	CPM Adjustment	Plain:Weight 0	ENG	[1 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-988-101	CPM Adjustment	Plain:Weight 1	ENG	[1 to 100 / 100 / 1%]
1-988-102	CPM Adjustment	Plain:Weight 2	ENG	[1 to 100 / 100 / 1%]
1-988-103	CPM Adjustment	Plain:Weight 3	ENG	[1 to 100 / 100 / 1%]
1-988-104	CPM Adjustment	Plain:Weight 4	ENG	[1 to 100 / 100 / 1%]
1-988-105	CPM Adjustment	Plain:Weight 5	ENG	[1 to 100 / 100 / 1%]
1-988-106	CPM Adjustment	Plain:Weight 6	ENG	[1 to 100 / 100 / 1%]
1-988-107	CPM Adjustment	Plain:Weight 7	ENG	[1 to 100 / 100 / 1%]
1-988-108	CPM Adjustment	Plain:Weight 8	ENG	[1 to 100 / 100 / 1%]
1-988-120	CPM Adjustment	Matte:Weight 0	ENG	[1 to 100 / 100 / 1%]
1-988-121	CPM Adjustment	Matte:Weight 1	ENG	[1 to 100 / 100 / 1%]
1-988-122	CPM Adjustment	Matte:Weight 2	ENG	[1 to 100 / 100 / 1%]
1-988-123	CPM Adjustment	Matte:Weight 3	ENG	[1 to 100 / 100 / 1%]
1-988-124	CPM Adjustment	Matte:Weight 4	ENG	[1 to 100 / 100 / 1%]
1-988-125	CPM Adjustment	Matte:Weight 5	ENG	[1 to 100 / 100 / 1%]
1-988-126	CPM Adjustment	Matte:Weight 6	ENG	[1 to 100 / 100 / 1%]
1-988-127	CPM Adjustment	Matte:Weight 7	ENG	[1 to 100 / 100 / 1%]
1-988-128	CPM Adjustment	Matte:Weight 8	ENG	[1 to 100 / 100 / 1%]
1-988-140	CPM Adjustment	Glossy:Weight 0	ENG	[1 to 100 / 100 / 1%]
1-988-141	CPM Adjustment	Glossy:Weight 1	ENG	[1 to 100 / 100 / 1%]
1-988-142	CPM Adjustment	Glossy:Weight 2	ENG	[1 to 100 / 100 / 1%]
1-988-143	CPM Adjustment	Glossy:Weight 3	ENG	[1 to 100 / 100 / 1%]
1-988-144	CPM Adjustment	Glossy:Weight 4	ENG	[1 to 100 / 100 / 1%]
1-988-145	CPM Adjustment	Glossy:Weight 5	ENG	[1 to 100 / 100 / 1%]
1-988-146	CPM Adjustment	Glossy:Weight 6	ENG	[1 to 100 / 100 / 1%]
1-988-147	CPM Adjustment	Glossy:Weight 7	ENG	[1 to 100 / 100 / 1%]
1-988-148	CPM Adjustment	Glossy:Weight 8	ENG	[1 to 100 / 100 / 1%]
1-988-165	CPM Adjustment	Envelope:Weight 5	ENG	[1 to 100 / 100 / 1%]
1-988-166	CPM Adjustment	Envelope:Weight 6	ENG	[1 to 100 / 100 / 1%]
1-988-167	CPM Adjustment	Envelope:Weight 7	ENG	[1 to 100 / 100 / 1%]
1-988-175	CPM Adjustment	OHP	ENG	[1 to 100 / 100 / 1%]
1-988-180	CPM Adjustment	CCP:Weight 0	ENG	[1 to 100 / 100 / 1%]
1-988-181	CPM Adjustment	CCP:Weight 1	ENG	[1 to 100 / 100 / 1%]
1-988-182	CPM Adjustment	CCP:Weight 2	ENG	[1 to 100 / 100 / 1%]
1-988-183	CPM Adjustment	CCP:Weight 3	ENG	[1 to 100 / 100 / 1%]
1-988-184	CPM Adjustment	CCP:Weight 4	ENG	[1 to 100 / 100 / 1%]
1-988-185	CPM Adjustment	CCP:Weight 5	ENG	[1 to 100 / 100 / 1%]
1-988-186	CPM Adjustment	CCP:Weight 6	ENG	[1 to 100 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-988-187	CPM Adjustment	CCP:Weight 7	ENG	[1 to 100 / 100 / 1%]
1-988-188	CPM Adjustment	CCP:Weight 8	ENG	[1 to 100 / 100 / 1%]
1-989-100	Nip Width Setting	Plain:Weight 0	ENG	[1 to 4 / 2 / 1]
1-989-101	Nip Width Setting	Plain:Weight 1	ENG	[1 to 4 / 2 / 1]
1-989-102	Nip Width Setting	Plain:Weight 2	ENG	[1 to 4 / 2 / 1]
1-989-103	Nip Width Setting	Plain:Weight 3	ENG	[1 to 4 / 2 / 1]
1-989-104	Nip Width Setting	Plain:Weight 4	ENG	[1 to 4 / 2 / 1]
1-989-105	Nip Width Setting	Plain:Weight 5	ENG	[1 to 4 / 2 / 1]
1-989-106	Nip Width Setting	Plain:Weight 6	ENG	[1 to 4 / 2 / 1]
1-989-107	Nip Width Setting	Plain:Weight 7	ENG	[1 to 4 / 2 / 1]
1-989-108	Nip Width Setting	Plain:Weight 8	ENG	[1 to 4 / 2 / 1]
1-989-120	Nip Width Setting	Matte:Weight 0	ENG	[1 to 4 / 2 / 1]
1-989-121	Nip Width Setting	Matte:Weight 1	ENG	[1 to 4 / 2 / 1]
1-989-122	Nip Width Setting	Matte:Weight 2	ENG	[1 to 4 / 2 / 1]
1-989-123	Nip Width Setting	Matte:Weight 3	ENG	[1 to 4 / 2 / 1]
1-989-124	Nip Width Setting	Matte:Weight 4	ENG	[1 to 4 / 2 / 1]
1-989-125	Nip Width Setting	Matte:Weight 5	ENG	[1 to 4 / 2 / 1]
1-989-126	Nip Width Setting	Matte:Weight 6	ENG	[1 to 4 / 2 / 1]
1-989-127	Nip Width Setting	Matte:Weight 7	ENG	[1 to 4 / 2 / 1]
1-989-128	Nip Width Setting	Matte:Weight 8	ENG	[1 to 4 / 2 / 1]
1-989-140	Nip Width Setting	Glossy:Weight 0	ENG	[1 to 4 / 2 / 1]
1-989-141	Nip Width Setting	Glossy:Weight 1	ENG	[1 to 4 / 2 / 1]
1-989-142	Nip Width Setting	Glossy:Weight 2	ENG	[1 to 4 / 2 / 1]
1-989-143	Nip Width Setting	Glossy:Weight 3	ENG	[1 to 4 / 2 / 1]
1-989-144	Nip Width Setting	Glossy:Weight 4	ENG	[1 to 4 / 2 / 1]
1-989-145	Nip Width Setting	Glossy:Weight 5	ENG	[1 to 4 / 2 / 1]
1-989-146	Nip Width Setting	Glossy:Weight 6	ENG	[1 to 4 / 2 / 1]
1-989-147	Nip Width Setting	Glossy:Weight 7	ENG	[1 to 4 / 2 / 1]
1-989-148	Nip Width Setting	Glossy:Weight 8	ENG	[1 to 4 / 2 / 1]
1-989-165	Nip Width Setting	Envelope:Weight 5	ENG	[1 to 4 / 2 / 1]
1-989-166	Nip Width Setting	Envelope:Weight 6	ENG	[1 to 4 / 2 / 1]
1-989-167	Nip Width Setting	Envelope:Weight 7	ENG	[1 to 4 / 2 / 1]
1-989-175	Nip Width Setting	OHP	ENG	[1 to 4 / 2 / 1]
1-989-180	Nip Width Setting	CCP:Weight 0	ENG	[1 to 4 / 2 / 1]
1-989-181	Nip Width Setting	CCP:Weight 1	ENG	[1 to 4 / 2 / 1]
1-989-182	Nip Width Setting	CCP:Weight 2	ENG	[1 to 4 / 2 / 1]
1-989-183	Nip Width Setting	CCP:Weight 3	ENG	[1 to 4 / 2 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-989-184	Nip Width Setting	CCP:Weight 4	ENG	[1 to 4 / 2 / 1]
1-989-185	Nip Width Setting	CCP:Weight 5	ENG	[1 to 4 / 2 / 1]
1-989-186	Nip Width Setting	CCP:Weight 6	ENG	[1 to 4 / 2 / 1]
1-989-187	Nip Width Setting	CCP:Weight 7	ENG	[1 to 4 / 2 / 1]
1-989-188	Nip Width Setting	CCP:Weight 8	ENG	[1 to 4 / 2 / 1]
1-990-100	L Temp:CPM Down	Plain:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-101	L Temp:CPM Down	Plain:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-102	L Temp:CPM Down	Plain:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-103	L Temp:CPM Down	Plain:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-104	L Temp:CPM Down	Plain:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-105	L Temp:CPM Down	Plain:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-106	L Temp:CPM Down	Plain:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-990-107	L Temp:CPM Down	Plain:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-108	L Temp:CPM Down	Plain:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-120	L Temp:CPM Down	Matte:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-121	L Temp:CPM Down	Matte:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-122	L Temp:CPM Down	Matte:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-123	L Temp:CPM Down	Matte:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-124	L Temp:CPM Down	Matte:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-125	L Temp:CPM Down	Matte:Weight 5	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-126	L Temp:CPM Down	Matte:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-127	L Temp:CPM Down	Matte:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-128	L Temp:CPM Down	Matte:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-140	L Temp:CPM Down	Glossy:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-141	L Temp:CPM Down	Glossy:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-142	L Temp:CPM Down	Glossy:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-143	L Temp:CPM Down	Glossy:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-990-144	L Temp:CPM Down	Glossy:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-145	L Temp:CPM Down	Glossy:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-146	L Temp:CPM Down	Glossy:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-147	L Temp:CPM Down	Glossy:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-148	L Temp:CPM Down	Glossy:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-165	L Temp:CPM Down	Envelope:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-166	L Temp:CPM Down	Envelope:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-167	L Temp:CPM Down	Envelope:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-175	L Temp:CPM Down	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-180	L Temp:CPM Down	CCP:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-181	L Temp:CPM Down	CCP:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-182	L Temp:CPM Down	CCP:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-183	L Temp:CPM Down	CCP:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-184	L Temp:CPM Down	CCP:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-185	L Temp:CPM Down	CCP:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-990-186	L Temp:CPM Down	CCP:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-187	L Temp:CPM Down	CCP:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-990-188	L Temp:CPM Down	CCP:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-100	Over N-Temp:CPM Down	Plain:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-101	Over N-Temp:CPM Down	Plain:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-102	Over N-Temp:CPM Down	Plain:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-103	Over N-Temp:CPM Down	Plain:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-104	Over N-Temp:CPM Down	Plain:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: CPM Down 2 3: CPM Down 3
1-991-105	Over N-Temp:CPM Down	Plain:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-106	Over N-Temp:CPM Down	Plain:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-107	Over N-Temp:CPM Down	Plain:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-108	Over N-Temp:CPM Down	Plain:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-120	Over N-Temp:CPM Down	Matte:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-121	Over N-Temp:CPM Down	Matte:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-122	Over N-Temp:CPM Down	Matte:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-123	Over N-Temp:CPM Down	Matte:Weight 3	ENG	[0 to 3 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-124	Over N-Temp:CPM Down	Matte:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-125	Over N-Temp:CPM Down	Matte:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-126	Over N-Temp:CPM Down	Matte:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-127	Over N-Temp:CPM Down	Matte:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-128	Over N-Temp:CPM Down	Matte:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-140	Over N-Temp:CPM Down	Glossy:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-141	Over N-Temp:CPM Down	Glossy:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				3: CPM Down 3
1-991-142	Over N-Temp:CPM Down	Glossy:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-143	Over N-Temp:CPM Down	Glossy:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-144	Over N-Temp:CPM Down	Glossy:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-145	Over N-Temp:CPM Down	Glossy:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-146	Over N-Temp:CPM Down	Glossy:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-147	Over N-Temp:CPM Down	Glossy:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-148	Over N-Temp:CPM Down	Glossy:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-165	Over N-Temp:CPM Down	Envelope:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-166	Over N-Temp:CPM Down	Envelope:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-167	Over N-Temp:CPM Down	Envelope:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-175	Over N-Temp:CPM Down	OHP	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-180	Over N-Temp:CPM Down	CCP:Weight 0	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-181	Over N-Temp:CPM Down	CCP:Weight 1	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-182	Over N-Temp:CPM Down	CCP:Weight 2	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-183	Over N-Temp:CPM Down	CCP:Weight 3	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-991-184	Over N-Temp:CPM Down	CCP:Weight 4	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-185	Over N-Temp:CPM Down	CCP:Weight 5	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-186	Over N-Temp:CPM Down	CCP:Weight 6	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-187	Over N-Temp:CPM Down	CCP:Weight 7	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-991-188	Over N-Temp:CPM Down	CCP:Weight 8	ENG	[0 to 3 / 0 / 1] 0: No CPM Down 1: CPM Down 1 2: CPM Down 2 3: CPM Down 3
1-992-100	Web Feed Interval	Plain:Weight 0	ENG	[1 to 300 / 100 / 0.01]
1-992-101	Web Feed Interval	Plain:Weight 1	ENG	[1 to 300 / 100 / 0.01]
1-992-102	Web Feed Interval	Plain:Weight 2	ENG	[1 to 300 / 100 / 0.01]
1-992-103	Web Feed Interval	Plain:Weight 3	ENG	[1 to 300 / 100 / 0.01]
1-992-104	Web Feed Interval	Plain:Weight 4	ENG	[1 to 300 / 100 / 0.01]
1-992-105	Web Feed Interval	Plain:Weight 5	ENG	[1 to 300 / 100 / 0.01]
1-992-106	Web Feed Interval	Plain:Weight 6	ENG	[1 to 300 / 100 / 0.01]
1-992-107	Web Feed Interval	Plain:Weight 7	ENG	[1 to 300 / 100 / 0.01]
1-992-108	Web Feed Interval	Plain:Weight 8	ENG	[1 to 300 / 100 / 0.01]
1-992-120	Web Feed Interval	Matte:Weight 0	ENG	[1 to 300 / 100 / 0.01]
1-992-121	Web Feed Interval	Matte:Weight 1	ENG	[1 to 300 / 100 / 0.01]
1-992-122	Web Feed Interval	Matte:Weight 2	ENG	[1 to 300 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-992-123	Web Feed Interval	Matte:Weight 3	ENG	[1 to 300 / 100 / 0.01]
1-992-124	Web Feed Interval	Matte:Weight 4	ENG	[1 to 300 / 100 / 0.01]
1-992-125	Web Feed Interval	Matte:Weight 5	ENG	[1 to 300 / 100 / 0.01]
1-992-126	Web Feed Interval	Matte:Weight 6	ENG	[1 to 300 / 100 / 0.01]
1-992-127	Web Feed Interval	Matte:Weight 7	ENG	[1 to 300 / 100 / 0.01]
1-992-128	Web Feed Interval	Matte:Weight 8	ENG	[1 to 300 / 100 / 0.01]
1-992-140	Web Feed Interval	Glossy:Weight 0	ENG	[1 to 300 / 100 / 0.01]
1-992-141	Web Feed Interval	Glossy:Weight 1	ENG	[1 to 300 / 100 / 0.01]
1-992-142	Web Feed Interval	Glossy:Weight 2	ENG	[1 to 300 / 100 / 0.01]
1-992-143	Web Feed Interval	Glossy:Weight 3	ENG	[1 to 300 / 100 / 0.01]
1-992-144	Web Feed Interval	Glossy:Weight 4	ENG	[1 to 300 / 100 / 0.01]
1-992-145	Web Feed Interval	Glossy:Weight 5	ENG	[1 to 300 / 100 / 0.01]
1-992-146	Web Feed Interval	Glossy:Weight 6	ENG	[1 to 300 / 100 / 0.01]
1-992-147	Web Feed Interval	Glossy:Weight 7	ENG	[1 to 300 / 100 / 0.01]
1-992-148	Web Feed Interval	Glossy:Weight 8	ENG	[1 to 300 / 100 / 0.01]
1-992-165	Web Feed Interval	Envelope:Weight 5	ENG	[1 to 300 / 100 / 0.01]
1-992-166	Web Feed Interval	Envelope:Weight 6	ENG	[1 to 300 / 100 / 0.01]
1-992-167	Web Feed Interval	Envelope:Weight 7	ENG	[1 to 300 / 100 / 0.01]
1-992-175	Web Feed Interval	OHP	ENG	[1 to 300 / 100 / 0.01]
1-992-180	Web Feed Interval	CCP:Weight 0	ENG	[1 to 300 / 100 / 0.01]
1-992-181	Web Feed Interval	CCP:Weight 1	ENG	[1 to 300 / 100 / 0.01]
1-992-182	Web Feed Interval	CCP:Weight 2	ENG	[1 to 300 / 100 / 0.01]
1-992-183	Web Feed Interval	CCP:Weight 3	ENG	[1 to 300 / 100 / 0.01]
1-992-184	Web Feed Interval	CCP:Weight 4	ENG	[1 to 300 / 100 / 0.01]
1-992-185	Web Feed Interval	CCP:Weight 5	ENG	[1 to 300 / 100 / 0.01]
1-992-186	Web Feed Interval	CCP:Weight 6	ENG	[1 to 300 / 100 / 0.01]
1-992-187	Web Feed Interval	CCP:Weight 7	ENG	[1 to 300 / 100 / 0.01]
1-992-188	Web Feed Interval	CCP:Weight 8	ENG	[1 to 300 / 100 / 0.01]
1-993-100	Press:Before Job	Plain:Weight 0	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-101	Press:Before Job	Plain:Weight 1	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-102	Press:Before Job	Plain:Weight 2	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-993-103	Press:Before Job	Plain:Weight 3	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-104	Press:Before Job	Plain:Weight 4	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-105	Press:Before Job	Plain:Weight 5	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-106	Press:Before Job	Plain:Weight 6	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-107	Press:Before Job	Plain:Weight 7	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-108	Press:Before Job	Plain:Weight 8	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-120	Press:Before Job	Matte:Weight 0	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-121	Press:Before Job	Matte:Weight 1	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-122	Press:Before Job	Matte:Weight 2	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-123	Press:Before Job	Matte:Weight 3	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-124	Press:Before Job	Matte:Weight 4	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-125	Press:Before Job	Matte:Weight 5	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-126	Press:Before Job	Matte:Weight 6	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: Pressure Release 1: Pressure
1-993-127	Press:Before Job	Matte:Weight 7	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-128	Press:Before Job	Matte:Weight 8	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-140	Press:Before Job	Glossy:Weight 0	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-141	Press:Before Job	Glossy:Weight 1	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-142	Press:Before Job	Glossy:Weight 2	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-143	Press:Before Job	Glossy:Weight 3	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-144	Press:Before Job	Glossy:Weight 4	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-145	Press:Before Job	Glossy:Weight 5	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-146	Press:Before Job	Glossy:Weight 6	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-147	Press:Before Job	Glossy:Weight 7	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-148	Press:Before Job	Glossy:Weight 8	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-165	Press:Before Job	Envelope:Weight 5	ENG	[0 to 1 / 0 / 1] 0: Pressure Release

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Pressure
1-993-166	Press:Before Job	Envelope:Weight 6	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-167	Press:Before Job	Envelope:Weight 7	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-175	Press:Before Job	OHP	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-180	Press:Before Job	CCP:Weight 0	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-181	Press:Before Job	CCP:Weight 1	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-182	Press:Before Job	CCP:Weight 2	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-183	Press:Before Job	CCP:Weight 3	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-184	Press:Before Job	CCP:Weight 4	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-185	Press:Before Job	CCP:Weight 5	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-186	Press:Before Job	CCP:Weight 6	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-187	Press:Before Job	CCP:Weight 7	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure
1-993-188	Press:Before Job	CCP:Weight 8	ENG	[0 to 1 / 0 / 1] 0: Pressure Release 1: Pressure

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-994-100	Press Start Time:Before Job	Plain:Weight 0	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-101	Press Start Time:Before Job	Plain:Weight 1	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-102	Press Start Time:Before Job	Plain:Weight 2	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-103	Press Start Time:Before Job	Plain:Weight 3	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-104	Press Start Time:Before Job	Plain:Weight 4	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-105	Press Start Time:Before Job	Plain:Weight 5	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-106	Press Start Time:Before Job	Plain:Weight 6	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-107	Press Start Time:Before Job	Plain:Weight 7	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-108	Press Start Time:Before Job	Plain:Weight 8	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-120	Press Start Time:Before Job	Matte:Weight 0	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-121	Press Start Time:Before Job	Matte:Weight 1	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-122	Press Start Time:Before Job	Matte:Weight 2	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-123	Press Start Time:Before Job	Matte:Weight 3	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-124	Press Start Time:Before Job	Matte:Weight 4	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-125	Press Start Time:Before Job	Matte:Weight 5	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-126	Press Start Time:Before Job	Matte:Weight 6	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-127	Press Start Time:Before Job	Matte:Weight 7	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-128	Press Start Time:Before Job	Matte:Weight 8	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-140	Press Start Time:Before Job	Glossy:Weight 0	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-141	Press Start Time:Before Job	Glossy:Weight 1	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-142	Press Start Time:Before Job	Glossy:Weight 2	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-143	Press Start Time:Before Job	Glossy:Weight 3	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-144	Press Start Time:Before Job	Glossy:Weight 4	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-145	Press Start Time:Before Job	Glossy:Weight 5	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-146	Press Start Time:Before Job	Glossy:Weight 6	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-147	Press Start Time:Before Job	Glossy:Weight 7	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-148	Press Start Time:Before Job	Glossy:Weight 8	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-165	Press Start Time:Before Job	Envelope:Weight 5	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-166	Press Start Time:Before Job	Envelope:Weight 6	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-167	Press Start Time:Before Job	Envelope:Weight 7	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-175	Press Start Time:Before Job	OHP	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-180	Press Start Time:Before Job	CCP:Weight 0	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-181	Press Start Time:Before Job	CCP:Weight 1	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-182	Press Start Time:Before Job	CCP:Weight 2	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-183	Press Start Time:Before Job	CCP:Weight 3	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-184	Press Start Time:Before Job	CCP:Weight 4	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-185	Press Start Time:Before Job	CCP:Weight 5	ENG	[0 to 5000 / 0 / 0.1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-994-186	Press Start Time:Before Job	CCP:Weight 6	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-187	Press Start Time:Before Job	CCP:Weight 7	ENG	[0 to 5000 / 0 / 0.1sec]
1-994-188	Press Start Time:Before Job	CCP:Weight 8	ENG	[0 to 5000 / 0 / 0.1sec]
1-995-001	Extension of an paper intarval	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-002	Extension of an paper intarval	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-003	Extension of an paper intarval	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-004	Extension of an paper intarval	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-005	Extension of an paper intarval	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-006	Extension of an paper intarval	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-007	Extension of an paper intarval	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-008	Extension of an paper intarval	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-009	Extension of an paper intarval	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-010	Extension of an paper intarval	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-011	Extension of an paper intarval	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-012	Extension of an paper intarval	Custom Paper 012	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-995-013	Extension of an paper intarval	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-014	Extension of an paper intarval	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-015	Extension of an paper intarval	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-016	Extension of an paper intarval	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-017	Extension of an paper intarval	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-018	Extension of an paper intarval	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-019	Extension of an paper intarval	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-020	Extension of an paper intarval	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-021	Extension of an paper intarval	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-022	Extension of an paper intarval	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-023	Extension of an paper intarval	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-024	Extension of an paper intarval	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-995-025	Extension of an paper intarval	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-026	Extension of an paper intarval	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-027	Extension of an paper intarval	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-028	Extension of an paper intarval	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-029	Extension of an paper intarval	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-030	Extension of an paper intarval	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-031	Extension of an paper intarval	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-032	Extension of an paper intarval	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-033	Extension of an paper intarval	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-034	Extension of an paper intarval	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-035	Extension of an paper intarval	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-036	Extension of an paper intarval	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-995-037	Extension of an paper intarval	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-038	Extension of an paper intarval	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-039	Extension of an paper intarval	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-040	Extension of an paper intarval	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-041	Extension of an paper intarval	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-042	Extension of an paper intarval	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-043	Extension of an paper intarval	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-044	Extension of an paper intarval	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-045	Extension of an paper intarval	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-046	Extension of an paper intarval	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-047	Extension of an paper intarval	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-048	Extension of an paper intarval	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-049	Extension of an paper intarval	Custom Paper 049	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-995-050	Extension of an paper intarval	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-051	Extension of an paper intarval	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-052	Extension of an paper intarval	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-053	Extension of an paper intarval	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-054	Extension of an paper intarval	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-055	Extension of an paper intarval	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-056	Extension of an paper intarval	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-057	Extension of an paper intarval	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-058	Extension of an paper intarval	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-059	Extension of an paper intarval	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-060	Extension of an paper intarval	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-061	Extension of an paper intarval	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-995-062	Extension of an paper intarval	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-063	Extension of an paper intarval	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-064	Extension of an paper intarval	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-065	Extension of an paper intarval	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-066	Extension of an paper intarval	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-067	Extension of an paper intarval	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-068	Extension of an paper intarval	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-069	Extension of an paper intarval	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-070	Extension of an paper intarval	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-071	Extension of an paper intarval	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-072	Extension of an paper intarval	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-073	Extension of an paper intarval	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-995-074	Extension of an paper intarval	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-075	Extension of an paper intarval	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-076	Extension of an paper intarval	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-077	Extension of an paper intarval	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-078	Extension of an paper intarval	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-079	Extension of an paper intarval	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-080	Extension of an paper intarval	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-081	Extension of an paper intarval	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-082	Extension of an paper intarval	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-083	Extension of an paper intarval	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-084	Extension of an paper intarval	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-085	Extension of an paper intarval	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-086	Extension of an paper intarval	Custom Paper 086	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-995-087	Extension of an paper intarval	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-088	Extension of an paper intarval	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-089	Extension of an paper intarval	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-090	Extension of an paper intarval	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-091	Extension of an paper intarval	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-092	Extension of an paper intarval	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-093	Extension of an paper intarval	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-094	Extension of an paper intarval	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-095	Extension of an paper intarval	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-096	Extension of an paper intarval	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-097	Extension of an paper intarval	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-098	Extension of an paper intarval	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-995-099	Extension of an paper intarval	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-100	Extension of an paper intarval	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-101	Extension of an paper intarval	Plain:Weight 0	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-102	Extension of an paper intarval	Plain:Weight 1	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-103	Extension of an paper intarval	Plain:Weight 2	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-104	Extension of an paper intarval	Plain:Weight 3	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-105	Extension of an paper intarval	Plain:Weight 4	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-106	Extension of an paper intarval	Plain:Weight 5	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-107	Extension of an paper intarval	Plain:Weight 6	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-108	Extension of an paper intarval	Plain:Weight 7	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-109	Extension of an paper intarval	Plain:Weight 8	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-120	Extension of an paper intarval	Matte:Weight 0	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-995-121	Extension of an paper intarval	Matte:Weight 1	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-122	Extension of an paper intarval	Matte:Weight 2	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-123	Extension of an paper intarval	Matte:Weight 3	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-124	Extension of an paper intarval	Matte:Weight 4	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-125	Extension of an paper intarval	Matte:Weight 5	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-126	Extension of an paper intarval	Matte:Weight 6	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-127	Extension of an paper intarval	Matte:Weight 7	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-128	Extension of an paper intarval	Matte:Weight 8	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-140	Extension of an paper intarval	Glossy:Weight 0	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-141	Extension of an paper intarval	Glossy:Weight 1	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-142	Extension of an paper intarval	Glossy:Weight 2	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-143	Extension of an paper intarval	Glossy:Weight 3	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-144	Extension of an paper intarval	Glossy:Weight 4	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-995-145	Extension of an paper intarval	Glossy:Weight 5	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-146	Extension of an paper intarval	Glossy:Weight 6	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-147	Extension of an paper intarval	Glossy:Weight 7	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-148	Extension of an paper intarval	Glossy:Weight 8	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-155	Extension of an paper intarval	Envelope:Weight 5	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-156	Extension of an paper intarval	Envelope:Weight 6	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-157	Extension of an paper intarval	Envelope:Weight 7	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-165	Extension of an paper intarval	OHP:Weight 5	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-995-200	Extension of an paper intarval	Common	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-001	Float Fan Shutter Setting	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-002	Float Fan Shutter Setting	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-003	Float Fan Shutter Setting	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-996-004	Float Fan Shutter Setting	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-005	Float Fan Shutter Setting	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-006	Float Fan Shutter Setting	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-007	Float Fan Shutter Setting	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-008	Float Fan Shutter Setting	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-009	Float Fan Shutter Setting	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-010	Float Fan Shutter Setting	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-011	Float Fan Shutter Setting	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-012	Float Fan Shutter Setting	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-013	Float Fan Shutter Setting	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-014	Float Fan Shutter Setting	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-015	Float Fan Shutter Setting	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-016	Float Fan Shutter Setting	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-017	Float Fan Shutter Setting	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-018	Float Fan Shutter Setting	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-019	Float Fan Shutter Setting	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-020	Float Fan Shutter Setting	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-021	Float Fan Shutter Setting	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-022	Float Fan Shutter Setting	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-023	Float Fan Shutter Setting	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-024	Float Fan Shutter Setting	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-025	Float Fan Shutter Setting	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-026	Float Fan Shutter Setting	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-027	Float Fan Shutter Setting	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-028	Float Fan Shutter Setting	Custom Paper 028	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-996-029	Float Fan Shutter Setting	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-030	Float Fan Shutter Setting	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-031	Float Fan Shutter Setting	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-032	Float Fan Shutter Setting	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-033	Float Fan Shutter Setting	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-034	Float Fan Shutter Setting	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-035	Float Fan Shutter Setting	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-036	Float Fan Shutter Setting	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-037	Float Fan Shutter Setting	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-038	Float Fan Shutter Setting	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-039	Float Fan Shutter Setting	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-040	Float Fan Shutter Setting	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-996-041	Float Fan Shutter Setting	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-042	Float Fan Shutter Setting	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-043	Float Fan Shutter Setting	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-044	Float Fan Shutter Setting	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-045	Float Fan Shutter Setting	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-046	Float Fan Shutter Setting	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-047	Float Fan Shutter Setting	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-048	Float Fan Shutter Setting	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-049	Float Fan Shutter Setting	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-050	Float Fan Shutter Setting	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-051	Float Fan Shutter Setting	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-052	Float Fan Shutter Setting	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-053	Float Fan Shutter Setting	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-054	Float Fan Shutter Setting	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-055	Float Fan Shutter Setting	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-056	Float Fan Shutter Setting	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-057	Float Fan Shutter Setting	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-058	Float Fan Shutter Setting	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-059	Float Fan Shutter Setting	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-060	Float Fan Shutter Setting	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-061	Float Fan Shutter Setting	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-062	Float Fan Shutter Setting	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-063	Float Fan Shutter Setting	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-064	Float Fan Shutter Setting	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-065	Float Fan Shutter Setting	Custom Paper 065	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-996-066	Float Fan Shutter Setting	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-067	Float Fan Shutter Setting	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-068	Float Fan Shutter Setting	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-069	Float Fan Shutter Setting	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-070	Float Fan Shutter Setting	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-071	Float Fan Shutter Setting	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-072	Float Fan Shutter Setting	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-073	Float Fan Shutter Setting	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-074	Float Fan Shutter Setting	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-075	Float Fan Shutter Setting	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-076	Float Fan Shutter Setting	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-077	Float Fan Shutter Setting	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-996-078	Float Fan Shutter Setting	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-079	Float Fan Shutter Setting	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-080	Float Fan Shutter Setting	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-081	Float Fan Shutter Setting	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-082	Float Fan Shutter Setting	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-083	Float Fan Shutter Setting	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-084	Float Fan Shutter Setting	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-085	Float Fan Shutter Setting	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-086	Float Fan Shutter Setting	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-087	Float Fan Shutter Setting	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-088	Float Fan Shutter Setting	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-089	Float Fan Shutter Setting	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-996-090	Float Fan Shutter Setting	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-091	Float Fan Shutter Setting	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-092	Float Fan Shutter Setting	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-093	Float Fan Shutter Setting	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-094	Float Fan Shutter Setting	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-095	Float Fan Shutter Setting	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-096	Float Fan Shutter Setting	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-097	Float Fan Shutter Setting	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-098	Float Fan Shutter Setting	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-099	Float Fan Shutter Setting	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-996-100	Float Fan Shutter Setting	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-001	Side Fan Shutter Setting	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-002	Side Fan Shutter Setting	Custom Paper 002	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-997-003	Side Fan Shutter Setting	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-004	Side Fan Shutter Setting	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-005	Side Fan Shutter Setting	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-006	Side Fan Shutter Setting	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-007	Side Fan Shutter Setting	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-008	Side Fan Shutter Setting	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-009	Side Fan Shutter Setting	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-010	Side Fan Shutter Setting	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-011	Side Fan Shutter Setting	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-012	Side Fan Shutter Setting	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-013	Side Fan Shutter Setting	Custom Paper 013	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-014	Side Fan Shutter Setting	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-997-015	Side Fan Shutter Setting	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-016	Side Fan Shutter Setting	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-017	Side Fan Shutter Setting	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-018	Side Fan Shutter Setting	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-019	Side Fan Shutter Setting	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-020	Side Fan Shutter Setting	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-021	Side Fan Shutter Setting	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-022	Side Fan Shutter Setting	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-023	Side Fan Shutter Setting	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-024	Side Fan Shutter Setting	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-025	Side Fan Shutter Setting	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-026	Side Fan Shutter Setting	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-997-027	Side Fan Shutter Setting	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-028	Side Fan Shutter Setting	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-029	Side Fan Shutter Setting	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-030	Side Fan Shutter Setting	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-031	Side Fan Shutter Setting	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-032	Side Fan Shutter Setting	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-033	Side Fan Shutter Setting	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-034	Side Fan Shutter Setting	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-035	Side Fan Shutter Setting	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-036	Side Fan Shutter Setting	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-037	Side Fan Shutter Setting	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-038	Side Fan Shutter Setting	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-039	Side Fan Shutter Setting	Custom Paper 039	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-997-040	Side Fan Shutter Setting	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-041	Side Fan Shutter Setting	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-042	Side Fan Shutter Setting	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-043	Side Fan Shutter Setting	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-044	Side Fan Shutter Setting	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-045	Side Fan Shutter Setting	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-046	Side Fan Shutter Setting	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-047	Side Fan Shutter Setting	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-048	Side Fan Shutter Setting	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-049	Side Fan Shutter Setting	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-050	Side Fan Shutter Setting	Custom Paper 050	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-051	Side Fan Shutter Setting	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-997-052	Side Fan Shutter Setting	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-053	Side Fan Shutter Setting	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-054	Side Fan Shutter Setting	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-055	Side Fan Shutter Setting	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-056	Side Fan Shutter Setting	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-057	Side Fan Shutter Setting	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-058	Side Fan Shutter Setting	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-059	Side Fan Shutter Setting	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-060	Side Fan Shutter Setting	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-061	Side Fan Shutter Setting	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-062	Side Fan Shutter Setting	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-063	Side Fan Shutter Setting	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-997-064	Side Fan Shutter Setting	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-065	Side Fan Shutter Setting	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-066	Side Fan Shutter Setting	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-067	Side Fan Shutter Setting	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-068	Side Fan Shutter Setting	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-069	Side Fan Shutter Setting	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-070	Side Fan Shutter Setting	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-071	Side Fan Shutter Setting	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-072	Side Fan Shutter Setting	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-073	Side Fan Shutter Setting	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-074	Side Fan Shutter Setting	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-075	Side Fan Shutter Setting	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-076	Side Fan Shutter Setting	Custom Paper 076	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: OFF 1: ON
1-997-077	Side Fan Shutter Setting	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-078	Side Fan Shutter Setting	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-079	Side Fan Shutter Setting	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-080	Side Fan Shutter Setting	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-081	Side Fan Shutter Setting	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-082	Side Fan Shutter Setting	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-083	Side Fan Shutter Setting	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-084	Side Fan Shutter Setting	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-085	Side Fan Shutter Setting	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-086	Side Fan Shutter Setting	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-087	Side Fan Shutter Setting	Custom Paper 087	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-088	Side Fan Shutter Setting	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: OFF

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: ON
1-997-089	Side Fan Shutter Setting	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-090	Side Fan Shutter Setting	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-091	Side Fan Shutter Setting	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-092	Side Fan Shutter Setting	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-093	Side Fan Shutter Setting	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-094	Side Fan Shutter Setting	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-095	Side Fan Shutter Setting	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-096	Side Fan Shutter Setting	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-097	Side Fan Shutter Setting	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-098	Side Fan Shutter Setting	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-099	Side Fan Shutter Setting	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
1-997-100	Side Fan Shutter Setting	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-001	Paper Stack Height Setting	Custom Paper 001	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-002	Paper Stack Height Setting	Custom Paper 002	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-003	Paper Stack Height Setting	Custom Paper 003	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-004	Paper Stack Height Setting	Custom Paper 004	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-005	Paper Stack Height Setting	Custom Paper 005	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-006	Paper Stack Height Setting	Custom Paper 006	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-007	Paper Stack Height Setting	Custom Paper 007	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-008	Paper Stack Height Setting	Custom Paper 008	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-009	Paper Stack Height Setting	Custom Paper 009	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-010	Paper Stack Height Setting	Custom Paper 010	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-011	Paper Stack Height Setting	Custom Paper 011	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-012	Paper Stack Height Setting	Custom Paper 012	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-013	Paper Stack Height Setting	Custom Paper 013	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: HIGH 1: LOW
1-998-014	Paper Stack Height Setting	Custom Paper 014	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-015	Paper Stack Height Setting	Custom Paper 015	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-016	Paper Stack Height Setting	Custom Paper 016	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-017	Paper Stack Height Setting	Custom Paper 017	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-018	Paper Stack Height Setting	Custom Paper 018	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-019	Paper Stack Height Setting	Custom Paper 019	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-020	Paper Stack Height Setting	Custom Paper 020	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-021	Paper Stack Height Setting	Custom Paper 021	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-022	Paper Stack Height Setting	Custom Paper 022	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-023	Paper Stack Height Setting	Custom Paper 023	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-024	Paper Stack Height Setting	Custom Paper 024	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-025	Paper Stack Height Setting	Custom Paper 025	ENG	[0 to 1 / 0 / 1] 0: HIGH

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: LOW
1-998-026	Paper Stack Height Setting	Custom Paper 026	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-027	Paper Stack Height Setting	Custom Paper 027	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-028	Paper Stack Height Setting	Custom Paper 028	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-029	Paper Stack Height Setting	Custom Paper 029	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-030	Paper Stack Height Setting	Custom Paper 030	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-031	Paper Stack Height Setting	Custom Paper 031	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-032	Paper Stack Height Setting	Custom Paper 032	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-033	Paper Stack Height Setting	Custom Paper 033	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-034	Paper Stack Height Setting	Custom Paper 034	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-035	Paper Stack Height Setting	Custom Paper 035	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-036	Paper Stack Height Setting	Custom Paper 036	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-037	Paper Stack Height Setting	Custom Paper 037	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-038	Paper Stack Height Setting	Custom Paper 038	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-039	Paper Stack Height Setting	Custom Paper 039	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-040	Paper Stack Height Setting	Custom Paper 040	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-041	Paper Stack Height Setting	Custom Paper 041	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-042	Paper Stack Height Setting	Custom Paper 042	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-043	Paper Stack Height Setting	Custom Paper 043	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-044	Paper Stack Height Setting	Custom Paper 044	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-045	Paper Stack Height Setting	Custom Paper 045	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-046	Paper Stack Height Setting	Custom Paper 046	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-047	Paper Stack Height Setting	Custom Paper 047	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-048	Paper Stack Height Setting	Custom Paper 048	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-049	Paper Stack Height Setting	Custom Paper 049	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-050	Paper Stack Height Setting	Custom Paper 050	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: HIGH 1: LOW
1-998-051	Paper Stack Height Setting	Custom Paper 051	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-052	Paper Stack Height Setting	Custom Paper 052	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-053	Paper Stack Height Setting	Custom Paper 053	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-054	Paper Stack Height Setting	Custom Paper 054	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-055	Paper Stack Height Setting	Custom Paper 055	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-056	Paper Stack Height Setting	Custom Paper 056	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-057	Paper Stack Height Setting	Custom Paper 057	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-058	Paper Stack Height Setting	Custom Paper 058	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-059	Paper Stack Height Setting	Custom Paper 059	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-060	Paper Stack Height Setting	Custom Paper 060	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-061	Paper Stack Height Setting	Custom Paper 061	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-062	Paper Stack Height Setting	Custom Paper 062	ENG	[0 to 1 / 0 / 1] 0: HIGH

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: LOW
1-998-063	Paper Stack Height Setting	Custom Paper 063	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-064	Paper Stack Height Setting	Custom Paper 064	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-065	Paper Stack Height Setting	Custom Paper 065	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-066	Paper Stack Height Setting	Custom Paper 066	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-067	Paper Stack Height Setting	Custom Paper 067	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-068	Paper Stack Height Setting	Custom Paper 068	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-069	Paper Stack Height Setting	Custom Paper 069	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-070	Paper Stack Height Setting	Custom Paper 070	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-071	Paper Stack Height Setting	Custom Paper 071	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-072	Paper Stack Height Setting	Custom Paper 072	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-073	Paper Stack Height Setting	Custom Paper 073	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-074	Paper Stack Height Setting	Custom Paper 074	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-998-075	Paper Stack Height Setting	Custom Paper 075	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-076	Paper Stack Height Setting	Custom Paper 076	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-077	Paper Stack Height Setting	Custom Paper 077	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-078	Paper Stack Height Setting	Custom Paper 078	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-079	Paper Stack Height Setting	Custom Paper 079	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-080	Paper Stack Height Setting	Custom Paper 080	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-081	Paper Stack Height Setting	Custom Paper 081	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-082	Paper Stack Height Setting	Custom Paper 082	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-083	Paper Stack Height Setting	Custom Paper 083	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-084	Paper Stack Height Setting	Custom Paper 084	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-085	Paper Stack Height Setting	Custom Paper 085	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-086	Paper Stack Height Setting	Custom Paper 086	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-087	Paper Stack Height Setting	Custom Paper 087	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				0: HIGH 1: LOW
1-998-088	Paper Stack Height Setting	Custom Paper 088	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-089	Paper Stack Height Setting	Custom Paper 089	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-090	Paper Stack Height Setting	Custom Paper 090	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-091	Paper Stack Height Setting	Custom Paper 091	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-092	Paper Stack Height Setting	Custom Paper 092	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-093	Paper Stack Height Setting	Custom Paper 093	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-094	Paper Stack Height Setting	Custom Paper 094	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-095	Paper Stack Height Setting	Custom Paper 095	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-096	Paper Stack Height Setting	Custom Paper 096	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-097	Paper Stack Height Setting	Custom Paper 097	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-098	Paper Stack Height Setting	Custom Paper 098	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW
1-998-099	Paper Stack Height Setting	Custom Paper 099	ENG	[0 to 1 / 0 / 1] 0: HIGH

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: LOW
1-998-100	Paper Stack Height Setting	Custom Paper 100	ENG	[0 to 1 / 0 / 1] 0: HIGH 1: LOW

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-101-001	Reg Col Interval	Main Scan Dot	ENG	[-512 to 511 / 0 / 1dot]
2-101-006	Reg Col Interval	Main/Sub Scan	ENG	[-47 to 47 / 0 / 1sub-dot]
2-101-021	Reg Col Interval	Main beam pitch adj	ENG	[1107 to 1620 / 1438 / 1um]
2-102-001	Print Magnification Adjustment	Main Mag	ENG	[0 to 411 / 206 / 1]
2-102-016	Print Magnification Adjustment	Main Mag.: subdot	ENG	[-15264 to 15264 / 0 / 1sub-dot]
2-102-041	Print Magnification Adjustment	Face Main Mag set & Adj	ENG	[-800 to 800 / 0 / 0.025%]
2-102-042	Print Magnification Adjustment	Face Sub Mag set & Adj	ENG	[-800 to 800 / 0 / 0.025%]
2-102-043	Print Magnification Adjustment	Verso Main Mag set & Adj	ENG	[-800 to 800 / 0 / 0.025%]
2-102-044	Print Magnification Adjustment	Verso Sub Mag set & Adj	ENG	[-800 to 800 / 0 / 0.025%]
2-103-001	Erase Margin Adjustment	Lead Edge Width	ENG	[0 to 90 / 40 / 0.1mm]
2-103-002	Erase Margin Adjustment	Trail. Edge Width	ENG	[0 to 90 / 40 / 0.1mm]
2-103-003	Erase Margin Adjustment	Left	ENG	[0 to 90 / 20 / 0.1mm]
2-103-004	Erase Margin Adjustment	Right	ENG	[0 to 90 / 20 / 0.1mm]
2-106-001	trapezoid Adj	Revision 01ch	ENG	[-48 to 48 / -15 / 1subdot]
2-106-002	trapezoid Adj	Revision 02ch	ENG	[-48 to 48 / -13 / 1subdot]
2-106-003	trapezoid Adj	Revision 03ch	ENG	[-48 to 48 / -12 / 1subdot]
2-106-004	trapezoid Adj	Revision 04ch	ENG	[-48 to 48 / -11 / 1subdot]
2-106-	trapezoid Adj	Revision 05ch	ENG	[-48 to 48 / -9 / 1subdot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
2-106-006	trapezoid Adj	Revision 06ch	ENG	[-48 to 48 / -8 / 1subdot]
2-106-007	trapezoid Adj	Revision 07ch	ENG	[-48 to 48 / -7 / 1subdot]
2-106-008	trapezoid Adj	Revision 08ch	ENG	[-48 to 48 / -6 / 1subdot]
2-106-009	trapezoid Adj	Revision 09ch	ENG	[-48 to 48 / -5 / 1subdot]
2-106-010	trapezoid Adj	Revision 10ch	ENG	[-48 to 48 / -4 / 1subdot]
2-106-011	trapezoid Adj	Revision 11ch	ENG	[-48 to 48 / -3 / 1subdot]
2-106-012	trapezoid Adj	Revision 12ch	ENG	[-48 to 48 / -1 / 1subdot]
2-106-013	trapezoid Adj	Revision 13ch	ENG	[-48 to 48 / 0 / 1subdot]
2-106-014	trapezoid Adj	Revision 14ch	ENG	[-48 to 48 / 1 / 1subdot]
2-106-015	trapezoid Adj	Revision 15ch	ENG	[-48 to 48 / 3 / 1subdot]
2-106-016	trapezoid Adj	Revision 16ch	ENG	[-48 to 48 / 4 / 1subdot]
2-106-017	trapezoid Adj	Revision 17ch	ENG	[-48 to 48 / 4 / 1subdot]
2-106-018	trapezoid Adj	Revision 18ch	ENG	[-48 to 48 / 5 / 1subdot]
2-106-019	trapezoid Adj	Revision 19ch	ENG	[-48 to 48 / 7 / 1subdot]
2-106-020	trapezoid Adj	Revision 20ch	ENG	[-48 to 48 / 8 / 1subdot]
2-106-021	trapezoid Adj	Revision 21ch	ENG	[-48 to 48 / 9 / 1subdot]
2-106-022	trapezoid Adj	Revision 22ch	ENG	[-48 to 48 / 10 / 1subdot]
2-106-	trapezoid Adj	Revision 23ch	ENG	[-48 to 48 / 11 / 1subdot]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
023				
2-106-024	trapezoid Adj	Revision 24ch	ENG	[-48 to 48 / 12 / 1subdot]
2-106-025	trapezoid Adj	Revision 25ch	ENG	[-48 to 48 / 13 / 1subdot]
2-106-026	trapezoid Adj	Revision 26ch	ENG	[-48 to 48 / 14 / 1subdot]
2-106-027	trapezoid Adj	Revision 27ch	ENG	[-48 to 48 / 15 / 1subdot]
2-106-028	trapezoid Adj	Revision 28ch	ENG	[-48 to 48 / 16 / 1subdot]
2-106-029	trapezoid Adj	Revision 29ch	ENG	[-48 to 48 / 18 / 1subdot]
2-106-030	trapezoid Adj	Revision 30ch	ENG	[-48 to 48 / 19 / 1subdot]
2-106-031	trapezoid Adj	Revision 31ch	ENG	[-48 to 48 / 20 / 1subdot]
2-106-032	trapezoid Adj	Revision 32ch	ENG	[-48 to 48 / 21 / 1subdot]
2-106-033	trapezoid Adj	Revision 33ch	ENG	[-48 to 48 / 21 / 1subdot]
2-106-034	trapezoid Adj	Revision 34ch	ENG	[-48 to 48 / 23 / 1subdot]
2-106-035	trapezoid Adj	Revision 35ch	ENG	[-48 to 48 / 24 / 1subdot]
2-106-036	trapezoid Adj	Revision 36ch	ENG	[-48 to 48 / 25 / 1subdot]
2-106-037	trapezoid Adj	Revision 37ch	ENG	[-48 to 48 / 26 / 1subdot]
2-106-038	trapezoid Adj	Revision 38ch	ENG	[-48 to 48 / 27 / 1subdot]
2-106-039	trapezoid Adj	Revision 39ch	ENG	[-48 to 48 / 29 / 1subdot]
2-106-040	trapezoid Adj	Revision 40ch	ENG	[-48 to 48 / 30 / 1subdot]
2-107-	Image Parameter	Shading Correction Flag	ENG	[0 to 1 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				0: OFF 1: ON
2-107-002	Image Parameter	Image Gamma Flag	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-003	Image Parameter	Jaggy Revision	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-004	Image Parameter	Fatten slanted line	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-005	Image Parameter	Dot Stabilize Revision	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-006	Image Parameter	Bow Skew Revision	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-007	Image Parameter	Sub Mag Adj Revision K1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-008	Image Parameter	Sub Mag Adj Revision K2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-009	Image Parameter	Sub Mag Adj Revision W1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-010	Image Parameter	Sub Mag Adj Revision W2	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-011	Image Parameter	Sub Mag Adj Rev 600dpi W1	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-012	Image Parameter	trapezoid Adj ON/OFF	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-	Image Parameter	Sub Mag Adj Mirror	ENG	[0 to 1 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				0: OFF 1: ON
2-107-018	Image Parameter	Sub Mag Adj Revision K3	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-019	Image Parameter	Sub Mag Adj Revision Gray	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-107-021	Image Parameter	Sub Mag Adj Parameter Change	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
2-108-001	Image Parameter	K/C Writing Unit	ENG	[0 to 1 / 0 / 1]
2-109-003	Test Pattern	Pattern Selection	ENG	[0 to 27 / 0 / 1] 0: Copy Image Data 1: Vertical Line 1dot 2: Vertical Line 2dot 3: Horizontal Line 1dot 4: Horizontal Line 2dot 5: Grid Vertical Line 6: Grid Horizontal Line 7: Grid Pattern Small 8: Grid Pattern Large 9: Argyle Pattern Small 10: Argyle Pattern Large 11: Independent Pattern 1dot 12: Independent Pattern(2dot) 13: Independent Pattern(4dot) 14: Trimming Area
				15: Hound's Tooth Check1 Vertical 16: Hound's Tooth Check2 Vertical 17: Band Horizontal

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				18: Band Vertical 19: Checker Flag Pattern 20: Grayscale Vertical Margin 21: Grayscale Horizontal Margin 22: 4800dpi Step Pattern (1dot) 23: 4800dpi Step Pattern (2dot) 24: 4800dpi Step Pattern (1dot) 25: 4800dpi Step Pattern (2dot) 26: Full Dot Pattern 27: None
2-109-006	Test Pattern	Density	ENG	[0 to 15 / 15 / 1]
2-113-001	Adjust LR density difference	Density	ENG	[-10 to 10 / 0 / 1]
2-120-001	LD Off Check	Interlock Check	ENG	[0 to 1 / 0 / 1]
2-122-001	Erase Margin Adj Leading Edge	Custom Paper 001	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-002	Erase Margin Adj Leading Edge	Custom Paper 002	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-003	Erase Margin Adj Leading Edge	Custom Paper 003	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-004	Erase Margin Adj Leading Edge	Custom Paper 004	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-005	Erase Margin Adj Leading Edge	Custom Paper 005	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-006	Erase Margin Adj Leading Edge	Custom Paper 006	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-007	Erase Margin Adj Leading Edge	Custom Paper 007	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 008	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	Edge			
2-122-009	Erase Margin Adj Leading Edge	Custom Paper 009	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-010	Erase Margin Adj Leading Edge	Custom Paper 010	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-011	Erase Margin Adj Leading Edge	Custom Paper 011	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-012	Erase Margin Adj Leading Edge	Custom Paper 012	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-013	Erase Margin Adj Leading Edge	Custom Paper 013	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-014	Erase Margin Adj Leading Edge	Custom Paper 014	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-015	Erase Margin Adj Leading Edge	Custom Paper 015	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-016	Erase Margin Adj Leading Edge	Custom Paper 016	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-017	Erase Margin Adj Leading Edge	Custom Paper 017	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-018	Erase Margin Adj Leading Edge	Custom Paper 018	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-019	Erase Margin Adj Leading Edge	Custom Paper 019	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-020	Erase Margin Adj Leading Edge	Custom Paper 020	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-021	Erase Margin Adj Leading Edge	Custom Paper 021	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-022	Erase Margin Adj Leading Edge	Custom Paper 022	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-023	Erase Margin Adj Leading Edge	Custom Paper 023	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-024	Erase Margin Adj Leading Edge	Custom Paper 024	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-025	Erase Margin Adj Leading Edge	Custom Paper 025	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 026	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026	Edge			
2-122-027	Erase Margin Adj Leading Edge	Custom Paper 027	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-028	Erase Margin Adj Leading Edge	Custom Paper 028	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-029	Erase Margin Adj Leading Edge	Custom Paper 029	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-030	Erase Margin Adj Leading Edge	Custom Paper 030	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-031	Erase Margin Adj Leading Edge	Custom Paper 031	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-032	Erase Margin Adj Leading Edge	Custom Paper 032	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-033	Erase Margin Adj Leading Edge	Custom Paper 033	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-034	Erase Margin Adj Leading Edge	Custom Paper 034	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-035	Erase Margin Adj Leading Edge	Custom Paper 035	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-036	Erase Margin Adj Leading Edge	Custom Paper 036	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-037	Erase Margin Adj Leading Edge	Custom Paper 037	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-038	Erase Margin Adj Leading Edge	Custom Paper 038	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-039	Erase Margin Adj Leading Edge	Custom Paper 039	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-040	Erase Margin Adj Leading Edge	Custom Paper 040	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-041	Erase Margin Adj Leading Edge	Custom Paper 041	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-042	Erase Margin Adj Leading Edge	Custom Paper 042	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-043	Erase Margin Adj Leading Edge	Custom Paper 043	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 044	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
044	Edge			
2-122-045	Erase Margin Adj Leading Edge	Custom Paper 045	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-046	Erase Margin Adj Leading Edge	Custom Paper 046	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-047	Erase Margin Adj Leading Edge	Custom Paper 047	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-048	Erase Margin Adj Leading Edge	Custom Paper 048	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-049	Erase Margin Adj Leading Edge	Custom Paper 049	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-050	Erase Margin Adj Leading Edge	Custom Paper 050	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-051	Erase Margin Adj Leading Edge	Custom Paper 051	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-052	Erase Margin Adj Leading Edge	Custom Paper 052	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-053	Erase Margin Adj Leading Edge	Custom Paper 053	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-054	Erase Margin Adj Leading Edge	Custom Paper 054	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-055	Erase Margin Adj Leading Edge	Custom Paper 055	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-056	Erase Margin Adj Leading Edge	Custom Paper 056	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-057	Erase Margin Adj Leading Edge	Custom Paper 057	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-058	Erase Margin Adj Leading Edge	Custom Paper 058	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-059	Erase Margin Adj Leading Edge	Custom Paper 059	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-060	Erase Margin Adj Leading Edge	Custom Paper 060	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-061	Erase Margin Adj Leading Edge	Custom Paper 061	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 062	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062	Edge			
2-122-063	Erase Margin Adj Leading Edge	Custom Paper 063	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-064	Erase Margin Adj Leading Edge	Custom Paper 064	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-065	Erase Margin Adj Leading Edge	Custom Paper 065	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-066	Erase Margin Adj Leading Edge	Custom Paper 066	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-067	Erase Margin Adj Leading Edge	Custom Paper 067	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-068	Erase Margin Adj Leading Edge	Custom Paper 068	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-069	Erase Margin Adj Leading Edge	Custom Paper 069	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-070	Erase Margin Adj Leading Edge	Custom Paper 070	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-071	Erase Margin Adj Leading Edge	Custom Paper 071	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-072	Erase Margin Adj Leading Edge	Custom Paper 072	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-073	Erase Margin Adj Leading Edge	Custom Paper 073	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-074	Erase Margin Adj Leading Edge	Custom Paper 074	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-075	Erase Margin Adj Leading Edge	Custom Paper 075	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-076	Erase Margin Adj Leading Edge	Custom Paper 076	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-077	Erase Margin Adj Leading Edge	Custom Paper 077	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-078	Erase Margin Adj Leading Edge	Custom Paper 078	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-079	Erase Margin Adj Leading Edge	Custom Paper 079	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 080	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080	Edge			
2-122-081	Erase Margin Adj Leading Edge	Custom Paper 081	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-082	Erase Margin Adj Leading Edge	Custom Paper 082	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-083	Erase Margin Adj Leading Edge	Custom Paper 083	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-084	Erase Margin Adj Leading Edge	Custom Paper 084	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-085	Erase Margin Adj Leading Edge	Custom Paper 085	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-086	Erase Margin Adj Leading Edge	Custom Paper 086	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-087	Erase Margin Adj Leading Edge	Custom Paper 087	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-088	Erase Margin Adj Leading Edge	Custom Paper 088	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-089	Erase Margin Adj Leading Edge	Custom Paper 089	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-090	Erase Margin Adj Leading Edge	Custom Paper 090	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-091	Erase Margin Adj Leading Edge	Custom Paper 091	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-092	Erase Margin Adj Leading Edge	Custom Paper 092	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-093	Erase Margin Adj Leading Edge	Custom Paper 093	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-094	Erase Margin Adj Leading Edge	Custom Paper 094	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-095	Erase Margin Adj Leading Edge	Custom Paper 095	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-096	Erase Margin Adj Leading Edge	Custom Paper 096	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-097	Erase Margin Adj Leading Edge	Custom Paper 097	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Custom Paper 098	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
098	Edge			
2-122-099	Erase Margin Adj Leading Edge	Custom Paper 099	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-100	Erase Margin Adj Leading Edge	Custom Paper 100	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-110	Erase Margin Adj Leading Edge	Plain:Weight 0	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-111	Erase Margin Adj Leading Edge	Plain:Weight 1	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-112	Erase Margin Adj Leading Edge	Plain:Weight 2	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-113	Erase Margin Adj Leading Edge	Plain:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-114	Erase Margin Adj Leading Edge	Plain:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-115	Erase Margin Adj Leading Edge	Plain:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-116	Erase Margin Adj Leading Edge	Plain:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-117	Erase Margin Adj Leading Edge	Plain:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-118	Erase Margin Adj Leading Edge	Plain:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-120	Erase Margin Adj Leading Edge	Glossy:Weight 0	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-121	Erase Margin Adj Leading Edge	Glossy:Weight 1	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-122	Erase Margin Adj Leading Edge	Glossy:Weight 2	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-123	Erase Margin Adj Leading Edge	Glossy:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-124	Erase Margin Adj Leading Edge	Glossy:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-125	Erase Margin Adj Leading Edge	Glossy:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-	Erase Margin Adj Leading	Glossy:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
126	Edge			
2-122-127	Erase Margin Adj Leading Edge	Glossy:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-128	Erase Margin Adj Leading Edge	Glossy:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-130	Erase Margin Adj Leading Edge	Matte:Weight 0	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-131	Erase Margin Adj Leading Edge	Matte:Weight 1	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-132	Erase Margin Adj Leading Edge	Matte:Weight 2	ENG	[-30 to 60 / 5 / 0.1mm]
2-122-133	Erase Margin Adj Leading Edge	Matte:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-134	Erase Margin Adj Leading Edge	Matte:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-135	Erase Margin Adj Leading Edge	Matte:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-136	Erase Margin Adj Leading Edge	Matte:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-137	Erase Margin Adj Leading Edge	Matte:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-138	Erase Margin Adj Leading Edge	Matte:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-145	Erase Margin Adj Leading Edge	Envelope:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-146	Erase Margin Adj Leading Edge	Envelope:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-147	Erase Margin Adj Leading Edge	Envelope:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-122-150	Erase Margin Adj Leading Edge	OHP	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-001	Erase Margin Adj Trailing Edge	Custom Paper 001	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-002	Erase Margin Adj Trailing Edge	Custom Paper 002	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 003	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Edge			
2-123-004	Erase Margin Adj Trailing Edge	Custom Paper 004	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-005	Erase Margin Adj Trailing Edge	Custom Paper 005	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-006	Erase Margin Adj Trailing Edge	Custom Paper 006	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-007	Erase Margin Adj Trailing Edge	Custom Paper 007	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-008	Erase Margin Adj Trailing Edge	Custom Paper 008	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-009	Erase Margin Adj Trailing Edge	Custom Paper 009	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-010	Erase Margin Adj Trailing Edge	Custom Paper 010	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-011	Erase Margin Adj Trailing Edge	Custom Paper 011	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-012	Erase Margin Adj Trailing Edge	Custom Paper 012	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-013	Erase Margin Adj Trailing Edge	Custom Paper 013	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-014	Erase Margin Adj Trailing Edge	Custom Paper 014	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-015	Erase Margin Adj Trailing Edge	Custom Paper 015	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-016	Erase Margin Adj Trailing Edge	Custom Paper 016	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-017	Erase Margin Adj Trailing Edge	Custom Paper 017	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-018	Erase Margin Adj Trailing Edge	Custom Paper 018	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-019	Erase Margin Adj Trailing Edge	Custom Paper 019	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-020	Erase Margin Adj Trailing Edge	Custom Paper 020	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 021	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021	Edge			
2-123-022	Erase Margin Adj Trailing Edge	Custom Paper 022	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-023	Erase Margin Adj Trailing Edge	Custom Paper 023	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-024	Erase Margin Adj Trailing Edge	Custom Paper 024	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-025	Erase Margin Adj Trailing Edge	Custom Paper 025	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-026	Erase Margin Adj Trailing Edge	Custom Paper 026	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-027	Erase Margin Adj Trailing Edge	Custom Paper 027	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-028	Erase Margin Adj Trailing Edge	Custom Paper 028	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-029	Erase Margin Adj Trailing Edge	Custom Paper 029	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-030	Erase Margin Adj Trailing Edge	Custom Paper 030	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-031	Erase Margin Adj Trailing Edge	Custom Paper 031	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-032	Erase Margin Adj Trailing Edge	Custom Paper 032	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-033	Erase Margin Adj Trailing Edge	Custom Paper 033	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-034	Erase Margin Adj Trailing Edge	Custom Paper 034	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-035	Erase Margin Adj Trailing Edge	Custom Paper 035	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-036	Erase Margin Adj Trailing Edge	Custom Paper 036	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-037	Erase Margin Adj Trailing Edge	Custom Paper 037	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-038	Erase Margin Adj Trailing Edge	Custom Paper 038	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 039	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
039	Edge			
2-123-040	Erase Margin Adj Trailing Edge	Custom Paper 040	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-041	Erase Margin Adj Trailing Edge	Custom Paper 041	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-042	Erase Margin Adj Trailing Edge	Custom Paper 042	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-043	Erase Margin Adj Trailing Edge	Custom Paper 043	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-044	Erase Margin Adj Trailing Edge	Custom Paper 044	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-045	Erase Margin Adj Trailing Edge	Custom Paper 045	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-046	Erase Margin Adj Trailing Edge	Custom Paper 046	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-047	Erase Margin Adj Trailing Edge	Custom Paper 047	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-048	Erase Margin Adj Trailing Edge	Custom Paper 048	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-049	Erase Margin Adj Trailing Edge	Custom Paper 049	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-050	Erase Margin Adj Trailing Edge	Custom Paper 050	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-051	Erase Margin Adj Trailing Edge	Custom Paper 051	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-052	Erase Margin Adj Trailing Edge	Custom Paper 052	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-053	Erase Margin Adj Trailing Edge	Custom Paper 053	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-054	Erase Margin Adj Trailing Edge	Custom Paper 054	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-055	Erase Margin Adj Trailing Edge	Custom Paper 055	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-056	Erase Margin Adj Trailing Edge	Custom Paper 056	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 057	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
057	Edge			
2-123-058	Erase Margin Adj Trailing Edge	Custom Paper 058	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-059	Erase Margin Adj Trailing Edge	Custom Paper 059	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-060	Erase Margin Adj Trailing Edge	Custom Paper 060	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-061	Erase Margin Adj Trailing Edge	Custom Paper 061	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-062	Erase Margin Adj Trailing Edge	Custom Paper 062	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-063	Erase Margin Adj Trailing Edge	Custom Paper 063	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-064	Erase Margin Adj Trailing Edge	Custom Paper 064	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-065	Erase Margin Adj Trailing Edge	Custom Paper 065	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-066	Erase Margin Adj Trailing Edge	Custom Paper 066	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-067	Erase Margin Adj Trailing Edge	Custom Paper 067	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-068	Erase Margin Adj Trailing Edge	Custom Paper 068	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-069	Erase Margin Adj Trailing Edge	Custom Paper 069	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-070	Erase Margin Adj Trailing Edge	Custom Paper 070	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-071	Erase Margin Adj Trailing Edge	Custom Paper 071	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-072	Erase Margin Adj Trailing Edge	Custom Paper 072	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-073	Erase Margin Adj Trailing Edge	Custom Paper 073	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-074	Erase Margin Adj Trailing Edge	Custom Paper 074	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 075	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
075	Edge			
2-123-076	Erase Margin Adj Trailing Edge	Custom Paper 076	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-077	Erase Margin Adj Trailing Edge	Custom Paper 077	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-078	Erase Margin Adj Trailing Edge	Custom Paper 078	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-079	Erase Margin Adj Trailing Edge	Custom Paper 079	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-080	Erase Margin Adj Trailing Edge	Custom Paper 080	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-081	Erase Margin Adj Trailing Edge	Custom Paper 081	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-082	Erase Margin Adj Trailing Edge	Custom Paper 082	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-083	Erase Margin Adj Trailing Edge	Custom Paper 083	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-084	Erase Margin Adj Trailing Edge	Custom Paper 084	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-085	Erase Margin Adj Trailing Edge	Custom Paper 085	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-086	Erase Margin Adj Trailing Edge	Custom Paper 086	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-087	Erase Margin Adj Trailing Edge	Custom Paper 087	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-088	Erase Margin Adj Trailing Edge	Custom Paper 088	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-089	Erase Margin Adj Trailing Edge	Custom Paper 089	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-090	Erase Margin Adj Trailing Edge	Custom Paper 090	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-091	Erase Margin Adj Trailing Edge	Custom Paper 091	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-092	Erase Margin Adj Trailing Edge	Custom Paper 092	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Custom Paper 093	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
093	Edge			
2-123-094	Erase Margin Adj Trailing Edge	Custom Paper 094	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-095	Erase Margin Adj Trailing Edge	Custom Paper 095	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-096	Erase Margin Adj Trailing Edge	Custom Paper 096	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-097	Erase Margin Adj Trailing Edge	Custom Paper 097	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-098	Erase Margin Adj Trailing Edge	Custom Paper 098	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-099	Erase Margin Adj Trailing Edge	Custom Paper 099	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-100	Erase Margin Adj Trailing Edge	Custom Paper 100	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-110	Erase Margin Adj Trailing Edge	Plain:Weight 0	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-111	Erase Margin Adj Trailing Edge	Plain:Weight 1	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-112	Erase Margin Adj Trailing Edge	Plain:Weight 2	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-113	Erase Margin Adj Trailing Edge	Plain:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-114	Erase Margin Adj Trailing Edge	Plain:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-115	Erase Margin Adj Trailing Edge	Plain:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-116	Erase Margin Adj Trailing Edge	Plain:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-117	Erase Margin Adj Trailing Edge	Plain:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-118	Erase Margin Adj Trailing Edge	Plain:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-120	Erase Margin Adj Trailing Edge	Glossy:Weight 0	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Glossy:Weight 1	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
121	Edge			
2-123-122	Erase Margin Adj Trailing Edge	Glossy:Weight 2	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-123	Erase Margin Adj Trailing Edge	Glossy:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-124	Erase Margin Adj Trailing Edge	Glossy:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-125	Erase Margin Adj Trailing Edge	Glossy:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-126	Erase Margin Adj Trailing Edge	Glossy:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-127	Erase Margin Adj Trailing Edge	Glossy:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-128	Erase Margin Adj Trailing Edge	Glossy:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-130	Erase Margin Adj Trailing Edge	Matte:Weight 0	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-131	Erase Margin Adj Trailing Edge	Matte:Weight 1	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-132	Erase Margin Adj Trailing Edge	Matte:Weight 2	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-133	Erase Margin Adj Trailing Edge	Matte:Weight 3	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-134	Erase Margin Adj Trailing Edge	Matte:Weight 4	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-135	Erase Margin Adj Trailing Edge	Matte:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-136	Erase Margin Adj Trailing Edge	Matte:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-137	Erase Margin Adj Trailing Edge	Matte:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-138	Erase Margin Adj Trailing Edge	Matte:Weight 8	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-145	Erase Margin Adj Trailing Edge	Envelope:Weight 5	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-	Erase Margin Adj Trailing	Envelope:Weight 6	ENG	[-30 to 60 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
146	Edge			
2-123-147	Erase Margin Adj Trailing Edge	Envelope:Weight 7	ENG	[-30 to 60 / 0 / 0.1mm]
2-123-150	Erase Margin Adj Trailing Edge	OHP	ENG	[-30 to 60 / 0 / 0.1mm]
2-130-001	Sub Mag Adj Parameter	Interval:0.025 Percent	ENG	[0 to 255 / 19 / 1]
2-130-002	Sub Mag Adj Parameter	Mag Reciprocal:0.025 Percent	ENG	[0 to 8191 / 3990 / 1]
2-130-003	Sub Mag Adj Parameter	Interval:0.05 Percent	ENG	[0 to 255 / 53 / 1]
2-130-004	Sub Mag Adj Parameter	Mag Reciprocal:0.05 Percent	ENG	[0 to 8191 / 1961 / 1]
2-130-005	Sub Mag Adj Parameter	Interval:0.075 Percent	ENG	[0 to 255 / 19 / 1]
2-130-006	Sub Mag Adj Parameter	Mag Reciprocal:0.075 Percent	ENG	[0 to 8191 / 1349 / 1]
2-130-007	Sub Mag Adj Parameter	Interval:0.1 Percent	ENG	[0 to 255 / 53 / 1]
2-130-008	Sub Mag Adj Parameter	Mag Reciprocal:0.1 Percent	ENG	[0 to 8191 / 1007 / 1]
2-130-009	Sub Mag Adj Parameter	Interval:0.125 Percent	ENG	[0 to 255 / 47 / 1]
2-130-010	Sub Mag Adj Parameter	Mag Reciprocal:0.125 Percent	ENG	[0 to 8191 / 799 / 1]
2-130-011	Sub Mag Adj Parameter	Interval:0.15 Percent	ENG	[0 to 255 / 29 / 1]
2-130-012	Sub Mag Adj Parameter	Mag Reciprocal:0.15 Percent	ENG	[0 to 8191 / 667 / 1]
2-130-013	Sub Mag Adj Parameter	Interval:0.175 Percent	ENG	[0 to 255 / 13 / 1]
2-130-014	Sub Mag Adj Parameter	Mag Reciprocal:0.175 Percent	ENG	[0 to 8191 / 572 / 1]
2-130-015	Sub Mag Adj Parameter	Interval:0.2 Percent	ENG	[0 to 255 / 29 / 1]
2-130-	Sub Mag Adj Parameter	Mag Reciprocal:0.2	ENG	[0 to 8191 / 493 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016		Percent		
2-130-017	Sub Mag Adj Parameter	Interval:0.225 Percent	ENG	[0 to 255 / 23 / 1]
2-130-018	Sub Mag Adj Parameter	Mag Reciprocal:0.225 Percent	ENG	[0 to 8191 / 437 / 1]
2-130-019	Sub Mag Adj Parameter	Interval:0.25 Percent	ENG	[0 to 255 / 19 / 1]
2-130-020	Sub Mag Adj Parameter	Mag Reciprocal:0.25 Percent	ENG	[0 to 8191 / 399 / 1]
2-130-021	Sub Mag Adj Parameter	Interval:0.275 Percent	ENG	[0 to 255 / 19 / 1]
2-130-022	Sub Mag Adj Parameter	Mag Reciprocal:0.275 Percent	ENG	[0 to 8191 / 361 / 1]
2-130-023	Sub Mag Adj Parameter	Interval:0.3 Percent	ENG	[0 to 255 / 19 / 1]
2-130-024	Sub Mag Adj Parameter	Mag Reciprocal:0.3 Percent	ENG	[0 to 8191 / 323 / 1]
2-130-025	Sub Mag Adj Parameter	Interval:0.325 Percent	ENG	[0 to 255 / 17 / 1]
2-130-026	Sub Mag Adj Parameter	Mag Reciprocal:0.325 Percent	ENG	[0 to 8191 / 306 / 1]
2-130-027	Sub Mag Adj Parameter	Interval:0.35 Percent	ENG	[0 to 255 / 17 / 1]
2-130-028	Sub Mag Adj Parameter	Mag Reciprocal:0.35 Percent	ENG	[0 to 8191 / 289 / 1]
2-130-029	Sub Mag Adj Parameter	Interval:0.375 Percent	ENG	[0 to 255 / 14 / 1]
2-130-030	Sub Mag Adj Parameter	Mag Reciprocal:0.375 Percent	ENG	[0 to 8191 / 266 / 1]
2-130-031	Sub Mag Adj Parameter	Interval:0.4 Percent	ENG	[0 to 255 / 11 / 1]
2-130-032	Sub Mag Adj Parameter	Mag Reciprocal:0.4 Percent	ENG	[0 to 8191 / 253 / 1]
2-130-033	Sub Mag Adj Parameter	Interval:0.425 Percent	ENG	[0 to 255 / 21 / 1]
2-130-	Sub Mag Adj Parameter	Mag Reciprocal:0.425	ENG	[0 to 8191 / 231 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034		Percent		
2-130-035	Sub Mag Adj Parameter	Interval:0.45 Percent	ENG	[0 to 255 / 22 / 1]
2-130-036	Sub Mag Adj Parameter	Mag Reciprocal:0.45 Percent	ENG	[0 to 8191 / 220 / 1]
2-130-037	Sub Mag Adj Parameter	Interval:0.475 Percent	ENG	[0 to 255 / 21 / 1]
2-130-038	Sub Mag Adj Parameter	Mag Reciprocal:0.475 Percent	ENG	[0 to 8191 / 210 / 1]
2-130-039	Sub Mag Adj Parameter	Interval:0.5 Percent	ENG	[0 to 255 / 18 / 1]
2-130-040	Sub Mag Adj Parameter	Mag Reciprocal:0.5 Percent	ENG	[0 to 8191 / 198 / 1]
2-130-041	Sub Mag Adj Parameter	Interval:0.525 Percent	ENG	[0 to 255 / 19 / 1]
2-130-042	Sub Mag Adj Parameter	Mag Reciprocal:0.525 Percent	ENG	[0 to 8191 / 190 / 1]
2-130-043	Sub Mag Adj Parameter	Interval:0.55 Percent	ENG	[0 to 255 / 13 / 1]
2-130-044	Sub Mag Adj Parameter	Mag Reciprocal:0.55 Percent	ENG	[0 to 8191 / 182 / 1]
2-130-045	Sub Mag Adj Parameter	Interval:0.575 Percent	ENG	[0 to 255 / 11 / 1]
2-130-046	Sub Mag Adj Parameter	Mag Reciprocal:0.575 Percent	ENG	[0 to 8191 / 176 / 1]
2-130-047	Sub Mag Adj Parameter	Interval:0.6 Percent	ENG	[0 to 255 / 15 / 1]
2-130-048	Sub Mag Adj Parameter	Mag Reciprocal:0.6 Percent	ENG	[0 to 8191 / 165 / 1]
2-130-049	Sub Mag Adj Parameter	Interval:0.625 Percent	ENG	[0 to 255 / 16 / 1]
2-130-050	Sub Mag Adj Parameter	Mag Reciprocal:0.625 Percent	ENG	[0 to 8191 / 160 / 1]
2-130-051	Sub Mag Adj Parameter	Interval:0.65 Percent	ENG	[0 to 255 / 14 / 1]
2-130-	Sub Mag Adj Parameter	Mag Reciprocal:0.65	ENG	[0 to 8191 / 154 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052		Percent		
2-130-053	Sub Mag Adj Parameter	Interval:0.675 Percent	ENG	[0 to 255 / 15 / 1]
2-130-054	Sub Mag Adj Parameter	Mag Reciprocal:0.675 Percent	ENG	[0 to 8191 / 150 / 1]
2-130-055	Sub Mag Adj Parameter	Interval:0.7 Percent	ENG	[0 to 255 / 13 / 1]
2-130-056	Sub Mag Adj Parameter	Mag Reciprocal:0.7 Percent	ENG	[0 to 8191 / 143 / 1]
2-130-057	Sub Mag Adj Parameter	Interval:0.725 Percent	ENG	[0 to 255 / 14 / 1]
2-130-058	Sub Mag Adj Parameter	Mag Reciprocal:0.725 Percent	ENG	[0 to 8191 / 140 / 1]
2-130-059	Sub Mag Adj Parameter	Interval:0.75 Percent	ENG	[0 to 255 / 7 / 1]
2-130-060	Sub Mag Adj Parameter	Mag Reciprocal:0.75 Percent	ENG	[0 to 8191 / 133 / 1]
2-130-061	Sub Mag Adj Parameter	Interval:0.775 Percent	ENG	[0 to 255 / 13 / 1]
2-130-062	Sub Mag Adj Parameter	Mag Reciprocal:0.775 Percent	ENG	[0 to 8191 / 130 / 1]
2-130-063	Sub Mag Adj Parameter	Interval:0.8 Percent	ENG	[0 to 255 / 14 / 1]
2-130-064	Sub Mag Adj Parameter	Mag Reciprocal:0.8 Percent	ENG	[0 to 8191 / 126 / 1]
2-150-001	Area Mag. Correction	Area 0	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-002	Area Mag. Correction	Area 1	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-003	Area Mag. Correction	Area 2	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-004	Area Mag. Correction	Area 3	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-005	Area Mag. Correction	Area 4	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-	Area Mag. Correction	Area 5	ENG	[-4095 to 4095 / 0 / 1sub-

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				dot]
2-150-007	Area Mag. Correction	Area 6	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-008	Area Mag. Correction	Area 7	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-009	Area Mag. Correction	Area 8	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-010	Area Mag. Correction	Area 9	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-011	Area Mag. Correction	Area 10	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-012	Area Mag. Correction	Area 11	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-013	Area Mag. Correction	Area 12	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-150-014	Area Mag. Correction	Area 13	ENG	[-4095 to 4095 / 0 / 1sub-dot]
2-151-001	BowSkew Setting	Initial setting Area0	ENG	[0 to 24 / 0 / 1]
2-151-002	BowSkew Setting	Initial setting Area1-8	ENG	[0 to 65535 / 0 / 1]
2-151-003	BowSkew Setting	Initial setting Area9-16	ENG	[0 to 65535 / 0 / 1]
2-151-004	BowSkew Setting	Initial setting Area17-24	ENG	[0 to 65535 / 0 / 1]
2-151-005	BowSkew Setting	Initial setting Area25-32	ENG	[0 to 65535 / 0 / 1]
2-151-006	BowSkew Setting	Initial setting Area33-40	ENG	[0 to 65535 / 0 / 1]
2-151-007	BowSkew Setting	Initial setting Area41-48	ENG	[0 to 65535 / 0 / 1]
2-151-008	BowSkew Setting	Initial setting Area49-56	ENG	[0 to 65535 / 0 / 1]
2-151-009	BowSkew Setting	Initial setting Area57-64	ENG	[0 to 65535 / 0 / 1]
2-151-	BowSkew Setting	Initial setting Area65-72	ENG	[0 to 65535 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
2-151-011	BowSkew Setting	Initial setting Area73-80	ENG	[0 to 65535 / 0 / 1]
2-151-012	BowSkew Setting	Initial setting Area81-85	ENG	[0 to 1023 / 0 / 1]
2-152-001	Shading Coeff	Front. Out of Image	ENG	[875 to 1165 / 1000 / 0.001]
2-152-002	Shading Coeff	Area 0	ENG	[875 to 1165 / 1000 / 0.001]
2-152-003	Shading Coeff	Area 1	ENG	[875 to 1165 / 1000 / 0.001]
2-152-004	Shading Coeff	Area 2	ENG	[875 to 1165 / 1000 / 0.001]
2-152-005	Shading Coeff	Area 3	ENG	[875 to 1165 / 1000 / 0.001]
2-152-006	Shading Coeff	Area 4	ENG	[875 to 1165 / 1000 / 0.001]
2-152-007	Shading Coeff	Area 5	ENG	[875 to 1165 / 1000 / 0.001]
2-152-008	Shading Coeff	Area 6	ENG	[875 to 1165 / 1000 / 0.001]
2-152-009	Shading Coeff	Area 7	ENG	[875 to 1165 / 1000 / 0.001]
2-152-010	Shading Coeff	Area 8	ENG	[875 to 1165 / 1000 / 0.001]
2-152-011	Shading Coeff	Area 9	ENG	[875 to 1165 / 1000 / 0.001]
2-152-012	Shading Coeff	Area 10	ENG	[875 to 1165 / 1000 / 0.001]
2-152-013	Shading Coeff	Area 11	ENG	[875 to 1165 / 1000 / 0.001]
2-152-014	Shading Coeff	Area 12	ENG	[875 to 1165 / 1000 / 0.001]
2-152-015	Shading Coeff	Area 13	ENG	[875 to 1165 / 1000 / 0.001]
2-152-	Shading Coeff	Area 14	ENG	[875 to 1165 / 1000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				0.001]
2-152-017	Shading Coeff	Area 15	ENG	[875 to 1165 / 1000 / 0.001]
2-152-018	Shading Coeff	Area 16	ENG	[875 to 1165 / 1000 / 0.001]
2-152-019	Shading Coeff	Area 17	ENG	[875 to 1165 / 1000 / 0.001]
2-152-020	Shading Coeff	Area 18	ENG	[875 to 1165 / 1000 / 0.001]
2-152-021	Shading Coeff	Area 19	ENG	[875 to 1165 / 1000 / 0.001]
2-152-022	Shading Coeff	Area 20	ENG	[875 to 1165 / 1000 / 0.001]
2-152-023	Shading Coeff	Area 21	ENG	[875 to 1165 / 1000 / 0.001]
2-152-024	Shading Coeff	Area 22	ENG	[875 to 1165 / 1000 / 0.001]
2-152-025	Shading Coeff	Area 23	ENG	[875 to 1165 / 1000 / 0.001]
2-152-026	Shading Coeff	Area 24	ENG	[875 to 1165 / 1000 / 0.001]
2-152-027	Shading Coeff	Area 25	ENG	[875 to 1165 / 1000 / 0.001]
2-152-028	Shading Coeff	Area 26	ENG	[875 to 1165 / 1000 / 0.001]
2-152-029	Shading Coeff	Area 27	ENG	[875 to 1165 / 1000 / 0.001]
2-152-030	Shading Coeff	Area 28	ENG	[875 to 1165 / 1000 / 0.001]
2-152-031	Shading Coeff	Area 29	ENG	[875 to 1165 / 1000 / 0.001]
2-152-032	Shading Coeff	Area 30	ENG	[875 to 1165 / 1000 / 0.001]
2-183-001	Main Scan Length Detection	Execute	ENG	[0 to 1 / 0 / 1]
2-184-	Main Scan Length Target	Execute	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-184-006	Main Scan Length Target	Count Value	ENG	[0 to 300000 / 266835 / 1]
2-185-001	Main Scan Length Detection	Mode selection	ENG	[0 to 2 / 2 / 1] 0: OFF 1: ON 2: ALL AN
2-190-001	Line Position Adj. Setting	Partial Mag	ENG	[0 to 1 / 1 / 1]
2-191-001	Porygon Mirror Face Detection	Mode Selection	ENG	[0 to 1 / 1 / 1]
2-201-001	Set DC Charge(Fixed) Setting	Bk	ENG	[350 to 1000 / 650 / 1-V]
2-202-001	CH:Control Value Setting	Std Speed:95ppm	ENG	[0 to 3066 / 1800 / 1uA]
2-202-011	CH:Control Value Setting	Std Speed:110ppm	ENG	[0 to 3066 / 2083 / 1uA]
2-202-021	CH:Control Value Setting	Std Speed:135ppm	ENG	[0 to 3066 / 2666 / 1uA]
2-202-031	CH:Control Value Setting	Std Speed:150ppm	ENG	[0 to 3066 / 3066 / 1uA]
2-203-001	CH:Control Value:Display	Std Speed:95ppm	ENG	[0 to 3066 / 1800 / 1uA]
2-203-011	CH:Control Value:Display	Std Speed:110ppm	ENG	[0 to 3066 / 2083 / 1uA]
2-203-021	CH:Control Value:Display	Std Speed:135ppm	ENG	[0 to 3066 / 2666 / 1uA]
2-203-031	CH:Control Value:Display	Std Speed:150ppm	ENG	[0 to 3066 / 3066 / 1uA]
2-211-001	LD Power(Fixed) Setting	Bk	ENG	[60 to 180 / 100 / 1%]
2-212-001	Dev DC(Fixed) Setting	Bk	ENG	[200 to 800 / 450 / 1-V]
2-220-001	CH Clean Operation	Start	ENG	[0 to 1 / 0 / 1]
2-221-	CH Clean Operation Mode	CH Cleaner Operation	ENG	[0 to 2 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001		Setting		0: NoExe 1: ProconSync 2: Interval
2-221-002	Chg Wire Cleaning	CH Cleaner Operation Interval	ENG	[100 to 100000 / 6000 / 100mai]
2-221-003	Chg Wire Cleaning	CH Cleaner Counter Disp	ENG	[0 to 1000000 / 0 / 1]
2-221-004	Chg Wire Cleaning	CH Cleaner Counter Clear	ENG	[0 to 1 / 0 / 1]
2-225-001	Cont High Q Img Print Mode	Mode Selection	ENG	[0 to 3 / 0 / 1]
2-225-002	Cont High Q Img Print Mode	Thresh:1	ENG	[0 to 100 / 60 / 1%]
2-225-003	Cont High Q Img Print Mode	Thresh:2	ENG	[0 to 100 / 80 / 1%]
2-225-004	Cont High Q Img Print Mode	Drum Cleaning Motor Spd1	ENG	[0 to 300 / 115 / 1%]
2-225-005	Cont High Q Img Print Mode	Drum Cleaning Motor Spd2	ENG	[0 to 300 / 130 / 1%]
2-225-006	Cont High Q Img Print Mode	Interval Page1	ENG	[1 to 99999 / 200 / 1page]
2-225-007	Cont High Q Img Print Mode	Interval Time1	ENG	[1 to 999 / 15 / 1sec]
2-225-008	Cont High Q Img Print Mode	Interval Page2	ENG	[1 to 99999 / 100 / 1page]
2-225-009	Cont High Q Img Print Mode	Interval Time2	ENG	[1 to 999 / 15 / 1sec]
2-226-001	Drum Cleaning Mt Rotation Time	95ppm	ENG	[9500 to 21000 / 9500 / 0.1rpm]
2-226-002	Drum Cleaning Mt Rotation Time	110ppm	ENG	[9500 to 21000 / 10080 / 0.1rpm]
2-226-003	Drum Cleaning Mt Rotation Time	135ppm	ENG	[9500 to 21000 / 11620 / 0.1rpm]
2-226-004	Drum Cleaning Mt Rotation Time	150ppm	ENG	[9500 to 21000 / 13370 / 0.1rpm]
2-250-	Interval downmode	Pri Down ON/OFF	ENG	[0 to 1 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-250-003	Interval downmode	Dev Stop ON/OFF	ENG	[0 to 1 / 1 / 1]
2-250-011	Interval downmode	Pri Uptime Typ-a	ENG	[0 to 9999 / 2255 / 1ms]
2-250-012	Interval downmode	Pri Uptime Typ-b	ENG	[0 to 9999 / 2057 / 1ms]
2-250-013	Interval downmode	Pri Uptime Typ-c	ENG	[0 to 9999 / 1782 / 1ms]
2-250-014	Interval downmode	Pri Uptime Typ-x	ENG	[0 to 9999 / 1654 / 1ms]
2-250-031	Interval downmode	Pri Downtime Typ-a	ENG	[0 to 9999 / 1092 / 1ms]
2-250-032	Interval downmode	Pri Downtime Typ-b	ENG	[0 to 9999 / 944 / 1ms]
2-250-033	Interval downmode	Pri Downtime Typ-c	ENG	[0 to 9999 / 737 / 1ms]
2-250-034	Interval downmode	Pri Downtime Typ-x	ENG	[0 to 9999 / 641 / 1ms]
2-250-051	Interval downmode	Dev Stoptime Typ-a	ENG	[0 to 9999 / 750 / 1ms]
2-250-052	Interval downmode	Dev Stoptime Typ-b	ENG	[0 to 9999 / 750 / 1ms]
2-250-053	Interval downmode	Dev Stoptime Typ-c	ENG	[0 to 9999 / 750 / 1ms]
2-250-054	Interval downmode	Dev Stoptime Typ-x	ENG	[0 to 9999 / 750 / 1ms]
2-250-061	Interval downmode	Dev Stoptime Limit Time type-a	ENG	[0 to 9999 / 2497 / 1ms]
2-250-062	Interval downmode	Dev Stoptime Limit Time type-b	ENG	[0 to 9999 / 2151 / 1ms]
2-250-063	Interval downmode	Dev Stoptime Limit Time type-c	ENG	[0 to 9999 / 1669 / 1ms]
2-250-064	Interval downmode	Dev Stoptime Limit Time type-x	ENG	[0 to 9999 / 1445 / 1ms]
2-310-	Force Apply Lubricant	Belt Cleaning	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-310-002	Force Apply Lubricant	Operation Time Setting	ENG	[0 to 600 / 300 / 10sec]
2-310-003	Force Apply Lubricant	Success App Date: History 1	ENG	[000000 to 991231 / 000000 / 1]
2-310-004	Force Apply Lubricant	Success App Date: History 2	ENG	[000000 to 991231 / 000000 / 1]
2-310-005	Force Apply Lubricant	Success App Date: History 3	ENG	[000000 to 991231 / 000000 / 1]
2-310-006	Force Apply Lubricant	Success App Date: History 4	ENG	[000000 to 991231 / 000000 / 1]
2-310-007	Force Apply Lubricant	Success App Date: History 5	ENG	[000000 to 991231 / 000000 / 1]
2-311-001	Vltg Measure Result	ITB	ENG	[0 to 1000 / 0 / 0.01kV]
2-311-100	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-101	Control Value:Display	Side1:ITB Bias 1	ENG	[0 to 150 / 0 / 1uA]
2-311-102	Control Value:Display	Side1:ITB Bias 2	ENG	[0 to 150 / 0 / 1uA]
2-311-103	Control Value:Display	Side1:ITB Bias 3	ENG	[0 to 150 / 0 / 1uA]
2-311-104	Control Value:Display	Side1:ITB Bias 4	ENG	[0 to 150 / 0 / 1uA]
2-311-105	Control Value:Display	Side1:ITB Bias 5	ENG	[0 to 150 / 0 / 1uA]
2-311-110	Control Value:Current Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-111	Control Value:Current Display	Side1:PTR Bias 1	ENG	[-400 to 0 / 0 / 1uA]
2-311-112	Control Value:Current Display	Side1:PTR Bias 2	ENG	[-400 to 0 / 0 / 1uA]
2-311-113	Control Value:Current Display	Side1:PTR Bias 3	ENG	[-400 to 0 / 0 / 1uA]
2-311-	Control Value:Current	Side1:PTR Bias 4	ENG	[-400 to 0 / 0 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
114	Display			
2-311-115	Control Value:Current Display	Side1:PTR Bias 5	ENG	[-400 to 0 / 0 / 1uA]
2-311-120	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-121	Control Value:Display	Side1:SepDC 1	ENG	[0 to 100 / 0 / 0.1uA]
2-311-122	Control Value:Display	Side1:SepDC 2	ENG	[0 to 100 / 0 / 0.1uA]
2-311-123	Control Value:Display	Side1:SepDC 3	ENG	[0 to 100 / 0 / 0.1uA]
2-311-124	Control Value:Display	Side1:SepDC 4	ENG	[0 to 100 / 0 / 0.1uA]
2-311-125	Control Value:Display	Side1:SepDC 5	ENG	[0 to 100 / 0 / 0.1uA]
2-311-130	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-131	Control Value:Display	Side1:SepAC 1	ENG	[0 to 120 / 0 / 0.1kV]
2-311-132	Control Value:Display	Side1:SepAC 2	ENG	[0 to 120 / 0 / 0.1kV]
2-311-133	Control Value:Display	Side1:SepAC 3	ENG	[0 to 120 / 0 / 0.1kV]
2-311-134	Control Value:Display	Side1:SepAC 4	ENG	[0 to 120 / 0 / 0.1kV]
2-311-135	Control Value:Display	Side1:SepAC 5	ENG	[0 to 120 / 0 / 0.1kV]
2-311-200	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-201	Control Value:Display	Side2:ITB Bias 1	ENG	[0 to 150 / 0 / 1uA]
2-311-202	Control Value:Display	Side2:ITB Bias 2	ENG	[0 to 150 / 0 / 1uA]
2-311-203	Control Value:Display	Side2:ITB Bias 3	ENG	[0 to 150 / 0 / 1uA]
2-311-	Control Value:Display	Side2:ITB Bias 4	ENG	[0 to 150 / 0 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
204				
2-311-205	Control Value:Display	Side2:ITB Bias 5	ENG	[0 to 150 / 0 / 1uA]
2-311-210	Control Value:Current Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-211	Control Value:Current Display	Side2:PTR Bias 1	ENG	[-400 to 0 / 0 / 1uA]
2-311-212	Control Value:Current Display	Side2:PTR Bias 2	ENG	[-400 to 0 / 0 / 1uA]
2-311-213	Control Value:Current Display	Side2:PTR Bias 3	ENG	[-400 to 0 / 0 / 1uA]
2-311-214	Control Value:Current Display	Side2:PTR Bias 4	ENG	[-400 to 0 / 0 / 1uA]
2-311-215	Control Value:Current Display	Side2:PTR Bias 5	ENG	[-400 to 0 / 0 / 1uA]
2-311-220	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-221	Control Value:Display	Side2:SepDC1	ENG	[0 to 100 / 0 / 0.1uA]
2-311-222	Control Value:Display	Side2:SepDC2	ENG	[0 to 100 / 0 / 0.1uA]
2-311-223	Control Value:Display	Side2:SepDC3	ENG	[0 to 100 / 0 / 0.1uA]
2-311-224	Control Value:Display	Side2:SepDC4	ENG	[0 to 100 / 0 / 0.1uA]
2-311-225	Control Value:Display	Side2:SepDC5	ENG	[0 to 100 / 0 / 0.1uA]
2-311-230	Control Value:Display	Next Update SP No.	ENG	[1 to 5 / 1 / 1]
2-311-231	Control Value:Display	Side2:SepDC 1	ENG	[0 to 120 / 0 / 0.1kV]
2-311-232	Control Value:Display	Side2:SepDC 2	ENG	[0 to 120 / 0 / 0.1kV]
2-311-233	Control Value:Display	Side2:SepDC 3	ENG	[0 to 120 / 0 / 0.1kV]
2-311-	Control Value:Display	Side2:SepDC 4	ENG	[0 to 120 / 0 / 0.1kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
234				
2-311-235	Control Value:Display	Side2:SepDC 5	ENG	[0 to 120 / 0 / 0.1kV]
2-312-001	Current Resist Level Disp	ITB	ENG	[0 to 0 / 0 / 0]
2-313-001	Vltg Measure:Env	ITB:Disoly Senser	ENG	[0 to 0 / 0 / 0]
2-314-001	Vd Meas Result	Resist Correction	ENG	[-100 to 0 / 0 / 0.01kV]
2-315-001	Vltg Cal Result	Resist Correction	ENG	[0 to 1000 / 0 / 0.01kV]
2-321-001	Vltg Measure Result	PTR	ENG	[0 to 1000 / 0 / 0.01kV]
2-322-001	Current Resist Level Disp	PTR	ENG	[0 to 0 / 0 / 0]
2-323-001	Current Resist Range Disp	PTR	ENG	[0 to 6 / 3 / 1]
2-324-001	ITB Bias Roller Exchange Flag	Flag :Disp	ENG	[0 to 1 / 0 / 1]
2-324-002	ITB Bias Roller Exchange Flag	Reset :Excute	ENG	[0 to 1 / 0 / 0]
2-324-003	ITB Bias Roller Exchange Flag	Banner ON/OFF	ENG	[0 to 1 / 1 / 1]
2-330-001	Environment Level Disp	Present:PTR	ENG	[0 to 0 / 0 / 0]
2-331-001	Environment Range Disp	Present:PTR	ENG	[1 to 6 / 4 / 1]
2-341-001	Transfer:Bias Limiter	ITB Bias	ENG	[40 to 70 / 45 / 0.1kV]
2-341-002	Transfer:Bias Limiter	PTR Bias	ENG	[500 to 1200 / 700 / 0.01kV]
2-361-001	Voltage Detection:Bias	ITB: Monitor Current	ENG	[0 to 150 / 50 / 1uA]
2-361-002	Voltage Detection:Bias	PTR: Monitor Current	ENG	[-400 to -80 / -80 / 1uA]
2-370-	R Corr:LLL	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-370-002	R Corr:LLL	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-370-003	R Corr:LLL	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-370-004	R Corr:LLL	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]
2-370-005	R Corr:LLL	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-371-001	R Corr:LL	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]
2-371-002	R Corr:LL	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-371-003	R Corr:LL	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-371-004	R Corr:LL	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]
2-371-005	R Corr:LL	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-372-001	R Corr:ML	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]
2-372-002	R Corr:ML	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-372-003	R Corr:ML	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-372-004	R Corr:ML	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]
2-372-005	R Corr:ML	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-373-001	R Corr:MM	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]
2-373-002	R Corr:MM	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-373-003	R Corr:MM	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-373-	R Corr:MM	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
2-373-005	R Corr:MM	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-374-001	R Corr:MH	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]
2-374-002	R Corr:MH	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-374-003	R Corr:MH	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-374-004	R Corr:MH	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]
2-374-005	R Corr:MH	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-375-001	R Corr:HH	Thresh1:ITB	ENG	[0 to 1000 / 135 / 0.01kV]
2-375-002	R Corr:HH	Thresh2:ITB	ENG	[0 to 1000 / 165 / 0.01kV]
2-375-003	R Corr:HH	Thresh3:ITB	ENG	[0 to 1000 / 215 / 0.01kV]
2-375-004	R Corr:HH	Thresh4:ITB	ENG	[0 to 1000 / 400 / 0.01kV]
2-375-005	R Corr:HH	Thresh5:ITB	ENG	[0 to 1000 / 450 / 0.01kV]
2-380-001	R Corr:LLL	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-380-002	R Corr:LLL	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]
2-380-003	R Corr:LLL	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-380-004	R Corr:LLL	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-380-005	R Corr:LLL	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]
2-381-001	R Corr Thresh:LL	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-381-	R Corr Thresh:LL	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
2-381-003	R Corr Thresh:LL	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-381-004	R Corr Thresh:LL	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-381-005	R Corr Thresh:LL	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]
2-382-001	R Corr Thresh:ML	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-382-002	R Corr Thresh:ML	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]
2-382-003	R Corr Thresh:ML	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-382-004	R Corr Thresh:ML	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-382-005	R Corr Thresh:ML	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]
2-383-001	R Corr Thresh:MM	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-383-002	R Corr Thresh:MM	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]
2-383-003	R Corr Thresh:MM	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-383-004	R Corr Thresh:MM	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-383-005	R Corr Thresh:MM	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]
2-384-001	R Corr Thresh:MH	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-384-002	R Corr Thresh:MH	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]
2-384-003	R Corr Thresh:MH	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-384-004	R Corr Thresh:MH	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-384-	R Corr Thresh:MH	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
2-385-001	R Corr Thresh:HH	Thresh1:PTR	ENG	[0 to 1000 / 100 / 0.01kV]
2-385-002	R Corr Thresh:HH	Thresh2:PTR	ENG	[0 to 1000 / 200 / 0.01kV]
2-385-003	R Corr Thresh:HH	Thresh3:PTR	ENG	[0 to 1000 / 300 / 0.01kV]
2-385-004	R Corr Thresh:HH	Thresh4:PTR	ENG	[0 to 1000 / 400 / 0.01kV]
2-385-005	R Corr Thresh:HH	Thresh5:PTR	ENG	[0 to 1000 / 700 / 0.01kV]
2-400-001	Correction ON/OFF	Image Transfer:Corr All	ENG	[0 to 7 / 0 / 1] 0: All Corr: ON 1: All Corr: OFF 2: Line Spd Corr: OFF 3: Env Corr: OFF 4: Resist Corr: OFF 5: Line Spd/Env Corr: OFF 6: Line Spd/Resist Corr: OFF 7: Env/Resist Corr: OFF
2-401-001	Eng Spd Corr T1:Image	95ppm	ENG	[50 to 150 / 68 / 1%]
2-401-002	Eng Spd Corr T1:Image	110ppm	ENG	[50 to 150 / 78 / 1%]
2-401-003	Eng Spd Corr T1:Image	135ppm	ENG	[50 to 150 / 100 / 1%]
2-401-004	Eng Spd Corr T1:Image	150ppm	ENG	[50 to 150 / 115 / 1%]
2-402-001	Eng Spd Corr T1:Margin	95ppm	ENG	[50 to 150 / 68 / 1%]
2-402-002	Eng Spd Corr T1:Margin	110ppm	ENG	[50 to 150 / 78 / 1%]
2-402-003	Eng Spd Corr T1:Margin	135ppm	ENG	[50 to 150 / 100 / 1%]
2-402-	Eng Spd Corr T1:Margin	150ppm	ENG	[50 to 150 / 115 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
2-411-001	R Corr:ITB	R-2:Imaging Area1	ENG	[10 to 200 / 100 / 1%]
2-411-002	R Corr:ITB	R-1:Imaging Area1	ENG	[10 to 200 / 100 / 1%]
2-411-003	R Corr:ITB	R0:Imaging Area1	ENG	[10 to 200 / 100 / 1%]
2-411-004	R Corr:ITB	R+1:Imaging Area1	ENG	[10 to 200 / 100 / 1%]
2-411-005	R Corr:ITB	R+2:Imaging Area1	ENG	[10 to 200 / 75 / 1%]
2-411-006	R Corr:ITB	R+3:Imaging Area1	ENG	[10 to 200 / 75 / 1%]
2-421-001	Environ Coef:1st	LLL:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-002	Environ Coef:1st	LLL:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-003	Environ Coef:1st	LLL:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-421-011	Environ Coef:1st	LL:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-012	Environ Coef:1st	LL:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-013	Environ Coef:1st	LL:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-421-021	Environ Coef:1st	ML:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-022	Environ Coef:1st	ML:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-023	Environ Coef:1st	ML:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-421-031	Environ Coef:1st	MM:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-032	Environ Coef:1st	MM:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-	Environ Coef:1st	MM:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033				
2-421-041	Environ Coef:1st	MH:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-042	Environ Coef:1st	MH:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-043	Environ Coef:1st	MH:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-421-051	Environ Coef:1st	HH:Side1	ENG	[0 to 200 / 100 / 1%]
2-421-052	Environ Coef:1st	HH:Side2	ENG	[0 to 200 / 100 / 1%]
2-421-053	Environ Coef:1st	HH:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-431-001	ITB Current	Imaging Area	ENG	[0 to 150 / 80 / 1uA]
2-431-002	ITB Current	Procon/Paper Int. P Pattern	ENG	[0 to 150 / 80 / 1uA]
2-431-003	ITB Current	Non Imaging Area	ENG	[0 to 150 / 10 / 1uA]
2-441-001	1st:Switch Timing	LEdge ON Timing	ENG	[0 to 30 / 0 / 1ms]
2-441-002	1st:Switch Timing	TEdge OFF Timing	ENG	[0 to 30 / 0 / 1ms]
2-500-001	Correction ON/OFF	Image Transfer:Corr All	ENG	[0 to 3 / 0 / 1] 0: All Corr: ON 1: All Corr: OFF 2: Line Spd Corr: OFF 3: Env Corr: OFF
2-501-001	Eng Spd Corr DC:Image	95ppm	ENG	[50 to 150 / 100 / 1%]
2-501-002	Eng Spd Corr DC:Image	110ppm	ENG	[50 to 150 / 100 / 1%]
2-501-003	Eng Spd Corr DC:Image	135ppm	ENG	[50 to 150 / 100 / 1%]
2-501-004	Eng Spd Corr DC:Image	150ppm	ENG	[50 to 150 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-502-001	Eng Spd Corr DC:Image	95ppm	ENG	[50 to 150 / 100 / 1%]
2-502-002	Eng Spd Corr DC:Image	110ppm	ENG	[50 to 150 / 100 / 1%]
2-502-003	Eng Spd Corr DC:Image	135ppm	ENG	[50 to 150 / 100 / 1%]
2-502-004	Eng Spd Corr DC:Image	150ppm	ENG	[50 to 150 / 100 / 1%]
2-511-001	Env Corr:Sep:DC	LLL:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-002	Env Corr:Sep:DC	LLL:Side2	ENG	[0 to 200 / 100 / 1%]
2-511-011	Env Corr:Sep:DC	LL:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-012	Env Corr:Sep:DC	LL:Side2	ENG	[0 to 200 / 100 / 1%]
2-511-021	Env Corr:Sep:DC	ML:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-022	Env Corr:Sep:DC	ML:Side2	ENG	[0 to 200 / 100 / 1%]
2-511-031	Env Corr:Sep:DC	MM:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-032	Env Corr:Sep:DC	MM:Side2	ENG	[0 to 200 / 100 / 1%]
2-511-041	Env Corr:Sep:DC	MH:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-042	Env Corr:Sep:DC	MH:Side2	ENG	[0 to 200 / 100 / 1%]
2-511-051	Env Corr:Sep:DC	HH:Side1	ENG	[0 to 200 / 100 / 1%]
2-511-052	Env Corr:Sep:DC	HH:Side2	ENG	[0 to 200 / 100 / 1%]
2-512-001	Env Corr:Sep:DC	LLL:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-002	Env Corr:Sep:DC	LLL:Side2	ENG	[0 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-512-011	Env Corr:Sep:DC	LL:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-012	Env Corr:Sep:DC	LL:Side2	ENG	[0 to 200 / 100 / 1%]
2-512-021	Env Corr:Sep:DC	ML:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-022	Env Corr:Sep:DC	ML:Side2	ENG	[0 to 200 / 100 / 1%]
2-512-031	Env Corr:Sep:DC	MM:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-032	Env Corr:Sep:DC	MM:Side2	ENG	[0 to 200 / 100 / 1%]
2-512-041	Env Corr:Sep:DC	MH:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-042	Env Corr:Sep:DC	MH:Side2	ENG	[0 to 200 / 100 / 1%]
2-512-051	Env Corr:Sep:DC	HH:Side1	ENG	[0 to 200 / 100 / 1%]
2-512-052	Env Corr:Sep:DC	HH:Side2	ENG	[0 to 200 / 100 / 1%]
2-521-001	SepBias	OFF Timing:Leading Edge	ENG	[0 to 30 / 10 / 1ms]
2-521-002	SepBias	OFF Timing:Trailing Edge	ENG	[0 to 30 / 10 / 1ms]
2-522-100	SepDC:Leading Edge	Thick 0	ENG	[0 to 30 / 5 / 1mm]
2-522-101	SepDC:Leading Edge	Thick 1	ENG	[0 to 30 / 5 / 1mm]
2-522-102	SepDC:Leading Edge	Thick 2	ENG	[0 to 30 / 5 / 1mm]
2-522-103	SepDC:Leading Edge	Thick 3	ENG	[0 to 30 / 5 / 1mm]
2-522-104	SepDC:Leading Edge	Thick 4	ENG	[0 to 30 / 5 / 1mm]
2-522-105	SepDC:Leading Edge	Thick 5	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-522-106	SepDC:Leading Edge	Thick 6	ENG	[0 to 30 / 5 / 1mm]
2-522-107	SepDC:Leading Edge	Thick 7	ENG	[0 to 30 / 5 / 1mm]
2-522-108	SepDC:Leading Edge	Thick 8	ENG	[0 to 30 / 5 / 1mm]
2-523-100	SepDC:Trailing Edge	Thick 0	ENG	[0 to 30 / 5 / 1mm]
2-523-101	SepDC:Trailing Edge	Thick 1	ENG	[0 to 30 / 5 / 1mm]
2-523-102	SepDC:Trailing Edge	Thick 2	ENG	[0 to 30 / 5 / 1mm]
2-523-103	SepDC:Trailing Edge	Thick 3	ENG	[0 to 30 / 5 / 1mm]
2-523-104	SepDC:Trailing Edge	Thick 4	ENG	[0 to 30 / 5 / 1mm]
2-523-105	SepDC:Trailing Edge	Thick 5	ENG	[0 to 30 / 5 / 1mm]
2-523-106	SepDC:Trailing Edge	Thick 6	ENG	[0 to 30 / 5 / 1mm]
2-523-107	SepDC:Trailing Edge	Thick 7	ENG	[0 to 30 / 5 / 1mm]
2-523-108	SepDC:Trailing Edge	Thick 8	ENG	[0 to 30 / 5 / 1mm]
2-524-100	SepAC:Leading Edge	Thick 0	ENG	[0 to 30 / 5 / 1mm]
2-524-101	SepAC:Leading Edge	Thick 1	ENG	[0 to 30 / 5 / 1mm]
2-524-102	SepAC:Leading Edge	Thick 2	ENG	[0 to 30 / 5 / 1mm]
2-524-103	SepAC:Leading Edge	Thick 3	ENG	[0 to 30 / 5 / 1mm]
2-524-104	SepAC:Leading Edge	Thick 4	ENG	[0 to 30 / 5 / 1mm]
2-524-105	SepAC:Leading Edge	Thick 5	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-524-106	SepAC:Leading Edge	Thick 6	ENG	[0 to 30 / 5 / 1mm]
2-524-107	SepAC:Leading Edge	Thick 7	ENG	[0 to 30 / 5 / 1mm]
2-524-108	SepAC:Leading Edge	Thick 8	ENG	[0 to 30 / 5 / 1mm]
2-525-100	SepAC:Trailing Edge	Thick 0	ENG	[0 to 30 / 5 / 1mm]
2-525-101	SepAC:Trailing Edge	Thick 1	ENG	[0 to 30 / 5 / 1mm]
2-525-102	SepAC:Trailing Edge	Thick 2	ENG	[0 to 30 / 5 / 1mm]
2-525-103	SepAC:Trailing Edge	Thick 3	ENG	[0 to 30 / 5 / 1mm]
2-525-104	SepAC:Trailing Edge	Thick 4	ENG	[0 to 30 / 5 / 1mm]
2-525-105	SepAC:Trailing Edge	Thick 5	ENG	[0 to 30 / 5 / 1mm]
2-525-106	SepAC:Trailing Edge	Thick 6	ENG	[0 to 30 / 5 / 1mm]
2-525-107	SepAC:Trailing Edge	Thick 7	ENG	[0 to 30 / 5 / 1mm]
2-525-108	SepAC:Trailing Edge	Thick 8	ENG	[0 to 30 / 5 / 1mm]
2-530-100	SepDC:1st	Plain:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-530-101	SepDC:1st	Plain:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-530-102	SepDC:1st	Plain:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-530-103	SepDC:1st	Plain:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-530-104	SepDC:1st	Plain:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-530-105	SepDC:1st	Plain:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-530-106	SepDC:1st	Plain:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-530-107	SepDC:1st	Plain:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-530-108	SepDC:1st	Plain:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-530-120	SepDC:1st	Glossy:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-530-121	SepDC:1st	Glossy:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-530-122	SepDC:1st	Glossy:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-530-123	SepDC:1st	Glossy:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-530-124	SepDC:1st	Glossy:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-530-125	SepDC:1st	Glossy:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-530-126	SepDC:1st	Glossy:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-530-127	SepDC:1st	Glossy:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-530-128	SepDC:1st	Glossy:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-530-140	SepDC:1st	Matte:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-530-141	SepDC:1st	Matte:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-530-142	SepDC:1st	Matte:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-530-143	SepDC:1st	Matte:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-530-144	SepDC:1st	Matte:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-530-145	SepDC:1st	Matte:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-530-146	SepDC:1st	Matte:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-530-147	SepDC:1st	Matte:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-530-148	SepDC:1st	Matte:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-530-155	SepDC:1st	OHP:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-530-161	SepDC:1st	Transluc:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-530-175	SepDC:1st	Envelope:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-530-176	SepDC:1st	Envelope:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-530-177	SepDC:1st	Envelope:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-530-178	SepDC:1st	Envelope:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-531-100	SepDC:2nd	Plain:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-531-101	SepDC:2nd	Plain:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-531-102	SepDC:2nd	Plain:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-531-103	SepDC:2nd	Plain:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-531-104	SepDC:2nd	Plain:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-531-105	SepDC:2nd	Plain:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-531-106	SepDC:2nd	Plain:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-531-107	SepDC:2nd	Plain:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-531-108	SepDC:2nd	Plain:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-531-120	SepDC:2nd	Glossy:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-531-121	SepDC:2nd	Glossy:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-531-122	SepDC:2nd	Glossy:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-531-123	SepDC:2nd	Glossy:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-531-124	SepDC:2nd	Glossy:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-531-125	SepDC:2nd	Glossy:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-531-126	SepDC:2nd	Glossy:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-531-127	SepDC:2nd	Glossy:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-531-128	SepDC:2nd	Glossy:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-531-140	SepDC:2nd	Matte:Weight 0	ENG	[0 to 100 / 50 / 0.1uA]
2-531-141	SepDC:2nd	Matte:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-531-142	SepDC:2nd	Matte:Weight 2	ENG	[0 to 100 / 50 / 0.1uA]
2-531-143	SepDC:2nd	Matte:Weight 3	ENG	[0 to 100 / 50 / 0.1uA]
2-531-144	SepDC:2nd	Matte:Weight 4	ENG	[0 to 100 / 50 / 0.1uA]
2-531-145	SepDC:2nd	Matte:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-531-146	SepDC:2nd	Matte:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-531-147	SepDC:2nd	Matte:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-531-148	SepDC:2nd	Matte:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-531-155	SepDC:2nd	OHP:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-531-161	SepDC:2nd	Transluc:Weight 1	ENG	[0 to 100 / 50 / 0.1uA]
2-531-175	SepDC:2nd	Envelope:Weight 5	ENG	[0 to 100 / 50 / 0.1uA]
2-531-176	SepDC:2nd	Envelope:Weight 6	ENG	[0 to 100 / 50 / 0.1uA]
2-531-177	SepDC:2nd	Envelope:Weight 7	ENG	[0 to 100 / 50 / 0.1uA]
2-531-178	SepDC:2nd	Envelope:Weight 8	ENG	[0 to 100 / 50 / 0.1uA]
2-532-100	SepAC:1st	Plain:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-532-101	SepAC:1st	Plain:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-532-102	SepAC:1st	Plain:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]
2-532-103	SepAC:1st	Plain:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-532-104	SepAC:1st	Plain:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-532-105	SepAC:1st	Plain:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-532-106	SepAC:1st	Plain:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-532-107	SepAC:1st	Plain:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-532-108	SepAC:1st	Plain:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-532-120	SepAC:1st	Glossy:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-532-121	SepAC:1st	Glossy:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-532-122	SepAC:1st	Glossy:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-532-123	SepAC:1st	Glossy:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-532-124	SepAC:1st	Glossy:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-532-125	SepAC:1st	Glossy:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-532-126	SepAC:1st	Glossy:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-532-127	SepAC:1st	Glossy:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-532-128	SepAC:1st	Glossy:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-532-140	SepAC:1st	Matte:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-532-141	SepAC:1st	Matte:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-532-142	SepAC:1st	Matte:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]
2-532-143	SepAC:1st	Matte:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-532-144	SepAC:1st	Matte:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-532-145	SepAC:1st	Matte:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-532-146	SepAC:1st	Matte:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-532-147	SepAC:1st	Matte:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-532-148	SepAC:1st	Matte:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-532-155	SepAC:1st	OHP:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-532-161	SepAC:1st	Transluc:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-532-175	SepAC:1st	Envelope:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-532-176	SepAC:1st	Envelope:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-532-177	SepAC:1st	Envelope:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-532-178	SepAC:1st	Envelope:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-533-100	SepAC:2nd	Plain:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-533-101	SepAC:2nd	Plain:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-533-102	SepAC:2nd	Plain:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]
2-533-103	SepAC:2nd	Plain:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-533-104	SepAC:2nd	Plain:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-533-105	SepAC:2nd	Plain:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-533-106	SepAC:2nd	Plain:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-533-107	SepAC:2nd	Plain:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-533-108	SepAC:2nd	Plain:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-533-120	SepAC:2nd	Glossy:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-533-121	SepAC:2nd	Glossy:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-533-122	SepAC:2nd	Glossy:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]
2-533-123	SepAC:2nd	Glossy:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-533-124	SepAC:2nd	Glossy:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-533-125	SepAC:2nd	Glossy:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-533-126	SepAC:2nd	Glossy:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-533-127	SepAC:2nd	Glossy:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-533-128	SepAC:2nd	Glossy:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-533-140	SepAC:2nd	Matte:Weight 0	ENG	[80 to 120 / 100 / 0.1kV]
2-533-141	SepAC:2nd	Matte:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-533-142	SepAC:2nd	Matte:Weight 2	ENG	[80 to 120 / 100 / 0.1kV]
2-533-143	SepAC:2nd	Matte:Weight 3	ENG	[80 to 120 / 100 / 0.1kV]
2-533-144	SepAC:2nd	Matte:Weight 4	ENG	[80 to 120 / 100 / 0.1kV]
2-533-145	SepAC:2nd	Matte:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-533-146	SepAC:2nd	Matte:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-533-147	SepAC:2nd	Matte:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-533-148	SepAC:2nd	Matte:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]
2-533-155	SepAC:2nd	OHP:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-533-161	SepAC:2nd	Transluc:Weight 1	ENG	[80 to 120 / 100 / 0.1kV]
2-533-175	SepAC:2nd	Envelope:Weight 5	ENG	[80 to 120 / 100 / 0.1kV]
2-533-176	SepAC:2nd	Envelope:Weight 6	ENG	[80 to 120 / 100 / 0.1kV]
2-533-177	SepAC:2nd	Envelope:Weight 7	ENG	[80 to 120 / 100 / 0.1kV]
2-533-178	SepAC:2nd	Envelope:Weight 8	ENG	[80 to 120 / 100 / 0.1kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-534-001	SepBias:Margin	DC	ENG	[0 to 100 / 0 / 0.1uA]
2-534-002	SepBias:Margin	AC	ENG	[80 to 120 / 80 / 0.1kV]
2-541-100	SepDC:LEdge:Coeff	Plain:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-541-101	SepDC:LEdge:Coeff	Plain:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-541-102	SepDC:LEdge:Coeff	Plain:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-541-103	SepDC:LEdge:Coeff	Plain:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-541-104	SepDC:LEdge:Coeff	Plain:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-541-105	SepDC:LEdge:Coeff	Plain:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-541-106	SepDC:LEdge:Coeff	Plain:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-541-107	SepDC:LEdge:Coeff	Plain:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-541-108	SepDC:LEdge:Coeff	Plain:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-541-120	SepDC:LEdge:Coeff	Glossy:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-541-121	SepDC:LEdge:Coeff	Glossy:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-541-122	SepDC:LEdge:Coeff	Glossy:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-541-123	SepDC:LEdge:Coeff	Glossy:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-541-124	SepDC:LEdge:Coeff	Glossy:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-541-125	SepDC:LEdge:Coeff	Glossy:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-541-126	SepDC:LEdge:Coeff	Glossy:Weight 6	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-541-127	SepDC:LEdge:Coeff	Glossy:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-541-128	SepDC:LEdge:Coeff	Glossy:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-541-140	SepDC:LEdge:Coeff	Matte:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-541-141	SepDC:LEdge:Coeff	Matte:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-541-142	SepDC:LEdge:Coeff	Matte:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-541-143	SepDC:LEdge:Coeff	Matte:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-541-144	SepDC:LEdge:Coeff	Matte:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-541-145	SepDC:LEdge:Coeff	Matte:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-541-146	SepDC:LEdge:Coeff	Matte:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-541-147	SepDC:LEdge:Coeff	Matte:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-541-148	SepDC:LEdge:Coeff	Matte:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-541-155	SepDC:LEdge:Coeff	OHP:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-541-161	SepDC:LEdge:Coeff	Transluc:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-541-175	SepDC:LEdge:Coeff	Envelope:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-541-176	SepDC:LEdge:Coeff	Envelope:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-541-177	SepDC:LEdge:Coeff	Envelope:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-541-178	SepDC:LEdge:Coeff	Envelope:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-542-100	SepDC:TEdge:Coeff	Plain:Weight 0	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-542-101	SepDC:TEdge:Coeff	Plain:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-542-102	SepDC:TEdge:Coeff	Plain:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-542-103	SepDC:TEdge:Coeff	Plain:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-542-104	SepDC:TEdge:Coeff	Plain:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-542-105	SepDC:TEdge:Coeff	Plain:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-542-106	SepDC:TEdge:Coeff	Plain:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-542-107	SepDC:TEdge:Coeff	Plain:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-542-108	SepDC:TEdge:Coeff	Plain:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-542-120	SepDC:TEdge:Coeff	Glossy:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-542-121	SepDC:TEdge:Coeff	Glossy:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-542-122	SepDC:TEdge:Coeff	Glossy:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-542-123	SepDC:TEdge:Coeff	Glossy:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-542-124	SepDC:TEdge:Coeff	Glossy:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-542-125	SepDC:TEdge:Coeff	Glossy:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-542-126	SepDC:TEdge:Coeff	Glossy:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-542-127	SepDC:TEdge:Coeff	Glossy:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-542-128	SepDC:TEdge:Coeff	Glossy:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-542-140	SepDC:TEdge:Coeff	Matte:Weight 0	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-542-141	SepDC:TEdge:Coeff	Matte:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-542-142	SepDC:TEdge:Coeff	Matte:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-542-143	SepDC:TEdge:Coeff	Matte:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-542-144	SepDC:TEdge:Coeff	Matte:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-542-145	SepDC:TEdge:Coeff	Matte:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-542-146	SepDC:TEdge:Coeff	Matte:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-542-147	SepDC:TEdge:Coeff	Matte:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-542-148	SepDC:TEdge:Coeff	Matte:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-542-155	SepDC:TEdge:Coeff	OHP:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-542-161	SepDC:TEdge:Coeff	Transluc:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-542-175	SepDC:TEdge:Coeff	Envelope:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-542-176	SepDC:TEdge:Coeff	Envelope:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-542-177	SepDC:TEdge:Coeff	Envelope:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-542-178	SepDC:TEdge:Coeff	Envelope:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-551-100	SepAC:LEdge:Coeff	Plain:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-551-101	SepAC:LEdge:Coeff	Plain:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-551-102	SepAC:LEdge:Coeff	Plain:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-551-103	SepAC:LEdge:Coeff	Plain:Weight 3	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-551-104	SepAC:LEdge:Coeff	Plain:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-551-105	SepAC:LEdge:Coeff	Plain:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-551-106	SepAC:LEdge:Coeff	Plain:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-551-107	SepAC:LEdge:Coeff	Plain:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-551-108	SepAC:LEdge:Coeff	Plain:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-551-120	SepAC:LEdge:Coeff	Glossy:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-551-121	SepAC:LEdge:Coeff	Glossy:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-551-122	SepAC:LEdge:Coeff	Glossy:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-551-123	SepAC:LEdge:Coeff	Glossy:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-551-124	SepAC:LEdge:Coeff	Glossy:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-551-125	SepAC:LEdge:Coeff	Glossy:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-551-126	SepAC:LEdge:Coeff	Glossy:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-551-127	SepAC:LEdge:Coeff	Glossy:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-551-128	SepAC:LEdge:Coeff	Glossy:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-551-140	SepAC:LEdge:Coeff	Matte:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-551-141	SepAC:LEdge:Coeff	Matte:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-551-142	SepAC:LEdge:Coeff	Matte:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-551-143	SepAC:LEdge:Coeff	Matte:Weight 3	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-551-144	SepAC:LEdge:Coeff	Matte:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-551-145	SepAC:LEdge:Coeff	Matte:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-551-146	SepAC:LEdge:Coeff	Matte:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-551-147	SepAC:LEdge:Coeff	Matte:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-551-148	SepAC:LEdge:Coeff	Matte:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-551-155	SepAC:LEdge:Coeff	OHP:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-551-161	SepAC:LEdge:Coeff	Transluc:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-551-175	SepAC:LEdge:Coeff	Envelope:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-551-176	SepAC:LEdge:Coeff	Envelope:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-551-177	SepAC:LEdge:Coeff	Envelope:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-551-178	SepAC:LEdge:Coeff	Envelope:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-552-100	SepAC:TEdge:Coeff	Plain:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-552-101	SepAC:TEdge:Coeff	Plain:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-552-102	SepAC:TEdge:Coeff	Plain:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-552-103	SepAC:TEdge:Coeff	Plain:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-552-104	SepAC:TEdge:Coeff	Plain:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-552-105	SepAC:TEdge:Coeff	Plain:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-552-106	SepAC:TEdge:Coeff	Plain:Weight 6	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-552-107	SepAC:TEdge:Coeff	Plain:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-552-108	SepAC:TEdge:Coeff	Plain:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-552-120	SepAC:TEdge:Coeff	Glossy:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-552-121	SepAC:TEdge:Coeff	Glossy:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-552-122	SepAC:TEdge:Coeff	Glossy:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-552-123	SepAC:TEdge:Coeff	Glossy:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-552-124	SepAC:TEdge:Coeff	Glossy:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-552-125	SepAC:TEdge:Coeff	Glossy:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-552-126	SepAC:TEdge:Coeff	Glossy:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-552-127	SepAC:TEdge:Coeff	Glossy:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-552-128	SepAC:TEdge:Coeff	Glossy:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-552-140	SepAC:TEdge:Coeff	Matte:Weight 0	ENG	[50 to 200 / 100 / 1%]
2-552-141	SepAC:TEdge:Coeff	Matte:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-552-142	SepAC:TEdge:Coeff	Matte:Weight 2	ENG	[50 to 200 / 100 / 1%]
2-552-143	SepAC:TEdge:Coeff	Matte:Weight 3	ENG	[50 to 200 / 100 / 1%]
2-552-144	SepAC:TEdge:Coeff	Matte:Weight 4	ENG	[50 to 200 / 100 / 1%]
2-552-145	SepAC:TEdge:Coeff	Matte:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-552-146	SepAC:TEdge:Coeff	Matte:Weight 6	ENG	[50 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-552-147	SepAC:TEdge:Coeff	Matte:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-552-148	SepAC:TEdge:Coeff	Matte:Weight 8	ENG	[50 to 200 / 100 / 1%]
2-552-155	SepAC:TEdge:Coeff	OHP:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-552-161	SepAC:TEdge:Coeff	Transluc:Weight 1	ENG	[50 to 200 / 100 / 1%]
2-552-175	SepAC:TEdge:Coeff	Envelope:Weight 5	ENG	[50 to 200 / 100 / 1%]
2-552-176	SepAC:TEdge:Coeff	Envelope:Weight 6	ENG	[50 to 200 / 100 / 1%]
2-552-177	SepAC:TEdge:Coeff	Envelope:Weight 7	ENG	[50 to 200 / 100 / 1%]
2-552-178	SepAC:TEdge:Coeff	Envelope:Weight 8	ENG	[50 to 200 / 100 / 1%]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-600-001	Correction ON/OFF:2nd	Correction:Select	ENG	[0 to 7 / 0 / 1] 0: All Corr: ON 1: All Corr: OFF 2: Line Spd Corr: OFF 3: Env Corr: OFF 4: Resist Corr: OFF 5: Line Spd/Env Corr: OFF 6: Line Spd/Resist Corr: OFF 7: Env/Resist Corr: OFF
2-601-001	Eng Spd Corr:T2	95ppm	ENG	[50 to 150 / 68 / 1%]
2-601-002	Eng Spd Corr:T2	110ppm	ENG	[50 to 150 / 78 / 1%]
2-601-003	Eng Spd Corr:T2	135ppm	ENG	[50 to 150 / 100 / 1%]
2-601-004	Eng Spd Corr:T2	150ppm	ENG	[50 to 150 / 115 / 1%]
2-611-001	Env Corr:2nd	LLL:Side1	ENG	[0 to 200 / 80 / 1%]
2-611-002	Env Corr:2nd	LLL:Side2	ENG	[0 to 200 / 80 / 1%]
2-611-003	Env Corr:2nd	LLL:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-611-011	Env Corr:2nd	LL:Side1	ENG	[0 to 200 / 80 / 1%]
2-611-012	Env Corr:2nd	LL:Side2	ENG	[0 to 200 / 80 / 1%]
2-611-013	Env Corr:2nd	LL:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-611-021	Env Corr:2nd	ML:Side1	ENG	[0 to 200 / 100 / 1%]
2-611-	Env Corr:2nd	ML:Side2	ENG	[0 to 200 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
2-611-023	Env Corr:2nd	ML:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-611-031	Env Corr:2nd	MM:Side1	ENG	[0 to 200 / 100 / 1%]
2-611-032	Env Corr:2nd	MM:Side2	ENG	[0 to 200 / 100 / 1%]
2-611-033	Env Corr:2nd	MM:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-611-041	Env Corr:2nd	MH:Side1	ENG	[0 to 200 / 100 / 1%]
2-611-042	Env Corr:2nd	MH:Side2	ENG	[0 to 200 / 100 / 1%]
2-611-043	Env Corr:2nd	MH:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-611-051	Env Corr:2nd	HH:Side1	ENG	[0 to 200 / 100 / 1%]
2-611-052	Env Corr:2nd	HH:Side2	ENG	[0 to 200 / 100 / 1%]
2-611-053	Env Corr:2nd	HH:Non Imaging Area	ENG	[0 to 200 / 100 / 1%]
2-621-002	R Corr:2nd	R-2	ENG	[50 to 255 / 100 / 1]
2-621-003	R Corr:2nd	R-1	ENG	[50 to 255 / 100 / 1]
2-621-004	R Corr:2nd	R-0	ENG	[50 to 255 / 100 / 1]
2-621-005	R Corr:2nd	R+1	ENG	[50 to 255 / 100 / 1]
2-621-006	R Corr:2nd	R+2	ENG	[50 to 255 / 100 / 1]
2-621-007	R Corr:2nd	R+3	ENG	[50 to 255 / 100 / 1]
2-631-100	PaperThickCoef:Side1	Thick 0	ENG	[50 to 600 / 100 / 1]
2-631-	PaperThickCoef:Side1	Thick 1	ENG	[50 to 600 / 100 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
2-631-102	PaperThickCoef:Side1	Thick 2	ENG	[50 to 600 / 100 / 1]
2-631-103	PaperThickCoef:Side1	Thick 3	ENG	[50 to 600 / 100 / 1]
2-631-104	PaperThickCoef:Side1	Thick 4	ENG	[50 to 600 / 100 / 1]
2-631-105	PaperThickCoef:Side1	Thick 5	ENG	[50 to 600 / 100 / 1]
2-631-106	PaperThickCoef:Side1	Thick 6	ENG	[50 to 600 / 100 / 1]
2-631-107	PaperThickCoef:Side1	Thick 7	ENG	[50 to 600 / 100 / 1]
2-631-108	PaperThickCoef:Side1	Thick 8	ENG	[50 to 600 / 100 / 1]
2-632-100	PaperThickCoef:Side2	Thick 0	ENG	[50 to 600 / 100 / 1]
2-632-101	PaperThickCoef:Side2	Thick 1	ENG	[50 to 600 / 100 / 1]
2-632-102	PaperThickCoef:Side2	Thick 2	ENG	[50 to 600 / 100 / 1]
2-632-103	PaperThickCoef:Side2	Thick 3	ENG	[50 to 600 / 100 / 1]
2-632-104	PaperThickCoef:Side2	Thick 4	ENG	[50 to 600 / 100 / 1]
2-632-105	PaperThickCoef:Side2	Thick 5	ENG	[50 to 600 / 100 / 1]
2-632-106	PaperThickCoef:Side2	Thick 6	ENG	[50 to 600 / 100 / 1]
2-632-107	PaperThickCoef:Side2	Thick 7	ENG	[50 to 600 / 100 / 1]
2-632-108	PaperThickCoef:Side2	Thick 8	ENG	[50 to 600 / 100 / 1]
2-640-001	PTR Voltage	Non Imaging Area	ENG	[0 to 1000 / 500 / 1V]
2-641-	PTR Current:Side1	Plain:Weight 0	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
100				
2-641-101	PTR Current:Side1	Plain:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-641-102	PTR Current:Side1	Plain:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-641-103	PTR Current:Side1	Plain:Weight 3	ENG	[-400 to 0 / -100 / 1uA]
2-641-104	PTR Current:Side1	Plain:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-641-105	PTR Current:Side1	Plain:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-641-106	PTR Current:Side1	Plain:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-641-107	PTR Current:Side1	Plain:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-641-108	PTR Current:Side1	Plain:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-641-120	PTR Current:Side1	Glossy:Weight 0	ENG	[-400 to 0 / -100 / 1uA]
2-641-121	PTR Current:Side1	Glossy:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-641-122	PTR Current:Side1	Glossy:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-641-123	PTR Current:Side1	Glossy:Weight 3	ENG	[-400 to 0 / -100 / 1uA]
2-641-124	PTR Current:Side1	Glossy:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-641-125	PTR Current:Side1	Glossy:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-641-126	PTR Current:Side1	Glossy:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-641-127	PTR Current:Side1	Glossy:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-641-128	PTR Current:Side1	Glossy:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-641-	PTR Current:Side1	Matte:Weight 0	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140				
2-641-141	PTR Current:Side1	Matte:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-641-142	PTR Current:Side1	Matte:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-641-143	PTR Current:Side1	Matte:Weight 3	ENG	[-400 to 0 / -100 / 1uA]
2-641-144	PTR Current:Side1	Matte:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-641-145	PTR Current:Side1	Matte:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-641-146	PTR Current:Side1	Matte:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-641-147	PTR Current:Side1	Matte:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-641-148	PTR Current:Side1	Matte:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-641-155	PTR Current:Side1	OHP:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-641-161	PTR Current:Side1	Transluc:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-641-175	PTR Current:Side1	Envelope:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-641-176	PTR Current:Side1	Envelope:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-641-177	PTR Current:Side1	Envelope:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-641-178	PTR Current:Side1	Envelope:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-642-100	PTR Current:Side2	Plain:Weight 0	ENG	[-400 to 0 / -100 / 1uA]
2-642-101	PTR Current:Side2	Plain:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-642-102	PTR Current:Side2	Plain:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-642-	PTR Current:Side2	Plain:Weight 3	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
2-642-104	PTR Current:Side2	Plain:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-642-105	PTR Current:Side2	Plain:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-642-106	PTR Current:Side2	Plain:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-642-107	PTR Current:Side2	Plain:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-642-108	PTR Current:Side2	Plain:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-642-120	PTR Current:Side2	Glossy:Weight 0	ENG	[-400 to 0 / -100 / 1uA]
2-642-121	PTR Current:Side2	Glossy:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-642-122	PTR Current:Side2	Glossy:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-642-123	PTR Current:Side2	Glossy:Weight 3	ENG	[-400 to 0 / -100 / 1uA]
2-642-124	PTR Current:Side2	Glossy:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-642-125	PTR Current:Side2	Glossy:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-642-126	PTR Current:Side2	Glossy:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-642-127	PTR Current:Side2	Glossy:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-642-128	PTR Current:Side2	Glossy:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-642-140	PTR Current:Side2	Matte:Weight 0	ENG	[-400 to 0 / -100 / 1uA]
2-642-141	PTR Current:Side2	Matte:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-642-142	PTR Current:Side2	Matte:Weight 2	ENG	[-400 to 0 / -100 / 1uA]
2-642-	PTR Current:Side2	Matte:Weight 3	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
143				
2-642-144	PTR Current:Side2	Matte:Weight 4	ENG	[-400 to 0 / -100 / 1uA]
2-642-145	PTR Current:Side2	Matte:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-642-146	PTR Current:Side2	Matte:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-642-147	PTR Current:Side2	Matte:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-642-148	PTR Current:Side2	Matte:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-642-155	PTR Current:Side2	OHP:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-642-161	PTR Current:Side2	Transluc:Weight 1	ENG	[-400 to 0 / -100 / 1uA]
2-642-175	PTR Current:Side2	Envelope:Weight 5	ENG	[-400 to 0 / -100 / 1uA]
2-642-176	PTR Current:Side2	Envelope:Weight 6	ENG	[-400 to 0 / -100 / 1uA]
2-642-177	PTR Current:Side2	Envelope:Weight 7	ENG	[-400 to 0 / -100 / 1uA]
2-642-178	PTR Current:Side2	Envelope:Weight 8	ENG	[-400 to 0 / -100 / 1uA]
2-643-100	Leading Edge Corr Coef:2nd	Plain:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-643-101	Leading Edge Corr Coef:2nd	Plain:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-643-102	Leading Edge Corr Coef:2nd	Plain:Weight 2	ENG	[0 to 300 / 140 / 1%]
2-643-103	Leading Edge Corr Coef:2nd	Plain:Weight 3	ENG	[0 to 300 / 140 / 1%]
2-643-104	Leading Edge Corr Coef:2nd	Plain:Weight 4	ENG	[0 to 300 / 140 / 1%]
2-643-105	Leading Edge Corr Coef:2nd	Plain:Weight 5	ENG	[0 to 300 / 140 / 1%]
2-643-	Leading Edge Corr	Plain:Weight 6	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106	Coef:2nd			
2-643-107	Leading Edge Corr Coef:2nd	Plain:Weight 7	ENG	[0 to 300 / 140 / 1%]
2-643-108	Leading Edge Corr Coef:2nd	Plain:Weight 8	ENG	[0 to 300 / 140 / 1%]
2-643-120	Leading Edge Corr Coef:2nd	Glossy:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-643-121	Leading Edge Corr Coef:2nd	Glossy:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-643-122	Leading Edge Corr Coef:2nd	Glossy:Weight 2	ENG	[0 to 300 / 140 / 1%]
2-643-123	Leading Edge Corr Coef:2nd	Glossy:Weight 3	ENG	[0 to 300 / 140 / 1%]
2-643-124	Leading Edge Corr Coef:2nd	Glossy:Weight 4	ENG	[0 to 300 / 140 / 1%]
2-643-125	Leading Edge Corr Coef:2nd	Glossy:Weight 5	ENG	[0 to 300 / 140 / 1%]
2-643-126	Leading Edge Corr Coef:2nd	Glossy:Weight 6	ENG	[0 to 300 / 140 / 1%]
2-643-127	Leading Edge Corr Coef:2nd	Glossy:Weight 7	ENG	[0 to 300 / 140 / 1%]
2-643-128	Leading Edge Corr Coef:2nd	Glossy:Weight 8	ENG	[0 to 300 / 140 / 1%]
2-643-140	Leading Edge Corr Coef:2nd	Matte:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-643-141	Leading Edge Corr Coef:2nd	Matte:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-643-142	Leading Edge Corr Coef:2nd	Matte:Weight 2	ENG	[0 to 300 / 140 / 1%]
2-643-143	Leading Edge Corr Coef:2nd	Matte:Weight 3	ENG	[0 to 300 / 140 / 1%]
2-643-144	Leading Edge Corr Coef:2nd	Matte:Weight 4	ENG	[0 to 300 / 140 / 1%]
2-643-145	Leading Edge Corr Coef:2nd	Matte:Weight 5	ENG	[0 to 300 / 140 / 1%]
2-643-	Leading Edge Corr	Matte:Weight 6	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
146	Coef:2nd			
2-643-147	Leading Edge Corr Coef:2nd	Matte:Weight 7	ENG	[0 to 300 / 140 / 1%]
2-643-148	Leading Edge Corr Coef:2nd	Matte:Weight 8	ENG	[0 to 300 / 140 / 1%]
2-643-155	Leading Edge Corr Coef:2nd	OHP:Weight 5	ENG	[0 to 300 / 140 / 1%]
2-643-161	Leading Edge Corr Coef:2nd	Transluc:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-643-175	Leading Edge Corr Coef:2nd	Envelope:Weight 5	ENG	[0 to 300 / 140 / 1%]
2-643-176	Leading Edge Corr Coef:2nd	Envelope:Weight 6	ENG	[0 to 300 / 140 / 1%]
2-643-177	Leading Edge Corr Coef:2nd	Envelope:Weight 7	ENG	[0 to 300 / 140 / 1%]
2-643-178	Leading Edge Corr Coef:2nd	Envelope:Weight 8	ENG	[0 to 300 / 140 / 1%]
2-644-100	Leading Edge Corr Switch:2nd	Plain:Weight 0	ENG	[0 to 30 / 2 / 1mm]
2-644-101	Leading Edge Corr Switch:2nd	Plain:Weight 1	ENG	[0 to 30 / 2 / 1mm]
2-644-102	Leading Edge Corr Switch:2nd	Plain:Weight 2	ENG	[0 to 30 / 2 / 1mm]
2-644-103	Leading Edge Corr Switch:2nd	Plain:Weight 3	ENG	[0 to 30 / 2 / 1mm]
2-644-104	Leading Edge Corr Switch:2nd	Plain:Weight 4	ENG	[0 to 30 / 2 / 1mm]
2-644-105	Leading Edge Corr Switch:2nd	Plain:Weight 5	ENG	[0 to 30 / 2 / 1mm]
2-644-106	Leading Edge Corr Switch:2nd	Plain:Weight 6	ENG	[0 to 30 / 2 / 1mm]
2-644-107	Leading Edge Corr Switch:2nd	Plain:Weight 7	ENG	[0 to 30 / 2 / 1mm]
2-644-108	Leading Edge Corr Switch:2nd	Plain:Weight 8	ENG	[0 to 30 / 2 / 1mm]
2-644-	Leading Edge Corr	Glossy:Weight 0	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
120	Switch:2nd			
2-644-121	Leading Edge Corr Switch:2nd	Glossy:Weight 1	ENG	[0 to 30 / 2 / 1mm]
2-644-122	Leading Edge Corr Switch:2nd	Glossy:Weight 2	ENG	[0 to 30 / 2 / 1mm]
2-644-123	Leading Edge Corr Switch:2nd	Glossy:Weight 3	ENG	[0 to 30 / 2 / 1mm]
2-644-124	Leading Edge Corr Switch:2nd	Glossy:Weight 4	ENG	[0 to 30 / 2 / 1mm]
2-644-125	Leading Edge Corr Switch:2nd	Glossy:Weight 5	ENG	[0 to 30 / 2 / 1mm]
2-644-126	Leading Edge Corr Switch:2nd	Glossy:Weight 6	ENG	[0 to 30 / 2 / 1mm]
2-644-127	Leading Edge Corr Switch:2nd	Glossy:Weight 7	ENG	[0 to 30 / 2 / 1mm]
2-644-128	Leading Edge Corr Switch:2nd	Glossy:Weight 8	ENG	[0 to 30 / 2 / 1mm]
2-644-140	Leading Edge Corr Switch:2nd	Matte:Weight 0	ENG	[0 to 30 / 2 / 1mm]
2-644-141	Leading Edge Corr Switch:2nd	Matte:Weight 1	ENG	[0 to 30 / 2 / 1mm]
2-644-142	Leading Edge Corr Switch:2nd	Matte:Weight 2	ENG	[0 to 30 / 2 / 1mm]
2-644-143	Leading Edge Corr Switch:2nd	Matte:Weight 3	ENG	[0 to 30 / 2 / 1mm]
2-644-144	Leading Edge Corr Switch:2nd	Matte:Weight 4	ENG	[0 to 30 / 2 / 1mm]
2-644-145	Leading Edge Corr Switch:2nd	Matte:Weight 5	ENG	[0 to 30 / 2 / 1mm]
2-644-146	Leading Edge Corr Switch:2nd	Matte:Weight 6	ENG	[0 to 30 / 2 / 1mm]
2-644-147	Leading Edge Corr Switch:2nd	Matte:Weight 7	ENG	[0 to 30 / 2 / 1mm]
2-644-148	Leading Edge Corr Switch:2nd	Matte:Weight 8	ENG	[0 to 30 / 2 / 1mm]
2-644-	Leading Edge Corr	OHP:Weight 5	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
155	Switch:2nd			
2-644-161	Leading Edge Corr Switch:2nd	Transluc:Weight 1	ENG	[0 to 30 / 2 / 1mm]
2-644-175	Leading Edge Corr Switch:2nd	Envelope:Weight 5	ENG	[0 to 30 / 2 / 1mm]
2-644-176	Leading Edge Corr Switch:2nd	Envelope:Weight 6	ENG	[0 to 30 / 2 / 1mm]
2-644-177	Leading Edge Corr Switch:2nd	Envelope:Weight 7	ENG	[0 to 30 / 2 / 1mm]
2-644-178	Leading Edge Corr Switch:2nd	Envelope:Weight 8	ENG	[0 to 30 / 2 / 1mm]
2-645-100	Trail Edge Corr Coef:2nd	Plain:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-645-101	Trail Edge Corr Coef:2nd	Plain:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-645-102	Trail Edge Corr Coef:2nd	Plain:Weight 2	ENG	[0 to 300 / 100 / 1%]
2-645-103	Trail Edge Corr Coef:2nd	Plain:Weight 3	ENG	[0 to 300 / 100 / 1%]
2-645-104	Trail Edge Corr Coef:2nd	Plain:Weight 4	ENG	[0 to 300 / 100 / 1%]
2-645-105	Trail Edge Corr Coef:2nd	Plain:Weight 5	ENG	[0 to 300 / 100 / 1%]
2-645-106	Trail Edge Corr Coef:2nd	Plain:Weight 6	ENG	[0 to 300 / 100 / 1%]
2-645-107	Trail Edge Corr Coef:2nd	Plain:Weight 7	ENG	[0 to 300 / 100 / 1%]
2-645-108	Trail Edge Corr Coef:2nd	Plain:Weight 8	ENG	[0 to 300 / 100 / 1%]
2-645-120	Trail Edge Corr Coef:2nd	Glossy:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-645-121	Trail Edge Corr Coef:2nd	Glossy:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-645-122	Trail Edge Corr Coef:2nd	Glossy:Weight 2	ENG	[0 to 300 / 100 / 1%]
2-645-	Trail Edge Corr Coef:2nd	Glossy:Weight 3	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
123				
2-645-124	Trail Edge Corr Coef:2nd	Glossy:Weight 4	ENG	[0 to 300 / 100 / 1%]
2-645-125	Trail Edge Corr Coef:2nd	Glossy:Weight 5	ENG	[0 to 300 / 100 / 1%]
2-645-126	Trail Edge Corr Coef:2nd	Glossy:Weight 6	ENG	[0 to 300 / 100 / 1%]
2-645-127	Trail Edge Corr Coef:2nd	Glossy:Weight 7	ENG	[0 to 300 / 100 / 1%]
2-645-128	Trail Edge Corr Coef:2nd	Glossy:Weight 8	ENG	[0 to 300 / 100 / 1%]
2-645-140	Trail Edge Corr Coef:2nd	Matte:Weight 0	ENG	[0 to 300 / 100 / 1%]
2-645-141	Trail Edge Corr Coef:2nd	Matte:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-645-142	Trail Edge Corr Coef:2nd	Matte:Weight 2	ENG	[0 to 300 / 100 / 1%]
2-645-143	Trail Edge Corr Coef:2nd	Matte:Weight 3	ENG	[0 to 300 / 100 / 1%]
2-645-144	Trail Edge Corr Coef:2nd	Matte:Weight 4	ENG	[0 to 300 / 100 / 1%]
2-645-145	Trail Edge Corr Coef:2nd	Matte:Weight 5	ENG	[0 to 300 / 100 / 1%]
2-645-146	Trail Edge Corr Coef:2nd	Matte:Weight 6	ENG	[0 to 300 / 100 / 1%]
2-645-147	Trail Edge Corr Coef:2nd	Matte:Weight 7	ENG	[0 to 300 / 100 / 1%]
2-645-148	Trail Edge Corr Coef:2nd	Matte:Weight 8	ENG	[0 to 300 / 100 / 1%]
2-645-155	Trail Edge Corr Coef:2nd	OHP:Weight 5	ENG	[0 to 300 / 100 / 1%]
2-645-161	Trail Edge Corr Coef:2nd	Transluc:Weight 1	ENG	[0 to 300 / 100 / 1%]
2-645-175	Trail Edge Corr Coef:2nd	Envelope:Weight 5	ENG	[0 to 300 / 100 / 1%]
2-645-	Trail Edge Corr Coef:2nd	Envelope:Weight 6	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176				
2-645-177	Trail Edge Corr Coef:2nd	Envelope:Weight 7	ENG	[0 to 300 / 100 / 1%]
2-645-178	Trail Edge Corr Coef:2nd	Envelope:Weight 8	ENG	[0 to 300 / 100 / 1%]
2-646-100	Trail Edge Corr Switch:2nd	Plain:Weight 0	ENG	[0 to 30 / 5 / 1mm]
2-646-101	Trail Edge Corr Switch:2nd	Plain:Weight 1	ENG	[0 to 30 / 5 / 1mm]
2-646-102	Trail Edge Corr Switch:2nd	Plain:Weight 2	ENG	[0 to 30 / 5 / 1mm]
2-646-103	Trail Edge Corr Switch:2nd	Plain:Weight 3	ENG	[0 to 30 / 5 / 1mm]
2-646-104	Trail Edge Corr Switch:2nd	Plain:Weight 4	ENG	[0 to 30 / 5 / 1mm]
2-646-105	Trail Edge Corr Switch:2nd	Plain:Weight 5	ENG	[0 to 30 / 5 / 1mm]
2-646-106	Trail Edge Corr Switch:2nd	Plain:Weight 6	ENG	[0 to 30 / 5 / 1mm]
2-646-107	Trail Edge Corr Switch:2nd	Plain:Weight 7	ENG	[0 to 30 / 5 / 1mm]
2-646-108	Trail Edge Corr Switch:2nd	Plain:Weight 8	ENG	[0 to 30 / 5 / 1mm]
2-646-120	Trail Edge Corr Switch:2nd	Glossy:Weight 0	ENG	[0 to 30 / 5 / 1mm]
2-646-121	Trail Edge Corr Switch:2nd	Glossy:Weight 1	ENG	[0 to 30 / 5 / 1mm]
2-646-122	Trail Edge Corr Switch:2nd	Glossy:Weight 2	ENG	[0 to 30 / 5 / 1mm]
2-646-123	Trail Edge Corr Switch:2nd	Glossy:Weight 3	ENG	[0 to 30 / 5 / 1mm]
2-646-124	Trail Edge Corr Switch:2nd	Glossy:Weight 4	ENG	[0 to 30 / 5 / 1mm]
2-646-125	Trail Edge Corr Switch:2nd	Glossy:Weight 5	ENG	[0 to 30 / 5 / 1mm]
2-646-	Trail Edge Corr	Glossy:Weight 6	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
126	Switch:2nd			
2-646-127	Trail Edge Corr Switch:2nd	Glossy:Weight 7	ENG	[0 to 30 / 5 / 1mm]
2-646-128	Trail Edge Corr Switch:2nd	Glossy:Weight 8	ENG	[0 to 30 / 5 / 1mm]
2-646-140	Trail Edge Corr Switch:2nd	Matte:Weight 0	ENG	[0 to 30 / 5 / 1mm]
2-646-141	Trail Edge Corr Switch:2nd	Matte:Weight 1	ENG	[0 to 30 / 5 / 1mm]
2-646-142	Trail Edge Corr Switch:2nd	Matte:Weight 2	ENG	[0 to 30 / 5 / 1mm]
2-646-143	Trail Edge Corr Switch:2nd	Matte:Weight 3	ENG	[0 to 30 / 5 / 1mm]
2-646-144	Trail Edge Corr Switch:2nd	Matte:Weight 4	ENG	[0 to 30 / 5 / 1mm]
2-646-145	Trail Edge Corr Switch:2nd	Matte:Weight 5	ENG	[0 to 30 / 5 / 1mm]
2-646-146	Trail Edge Corr Switch:2nd	Matte:Weight 6	ENG	[0 to 30 / 5 / 1mm]
2-646-147	Trail Edge Corr Switch:2nd	Matte:Weight 7	ENG	[0 to 30 / 5 / 1mm]
2-646-148	Trail Edge Corr Switch:2nd	Matte:Weight 8	ENG	[0 to 30 / 5 / 1mm]
2-646-155	Trail Edge Corr Switch:2nd	OHP:Weight 5	ENG	[0 to 30 / 5 / 1mm]
2-646-161	Trail Edge Corr Switch:2nd	Transluc:Weight 1	ENG	[0 to 30 / 5 / 1mm]
2-646-175	Trail Edge Corr Switch:2nd	Envelope:Weight 5	ENG	[0 to 30 / 5 / 1mm]
2-646-176	Trail Edge Corr Switch:2nd	Envelope:Weight 6	ENG	[0 to 30 / 5 / 1mm]
2-646-177	Trail Edge Corr Switch:2nd	Envelope:Weight 7	ENG	[0 to 30 / 5 / 1mm]
2-646-178	Trail Edge Corr Switch:2nd	Envelope:Weight 8	ENG	[0 to 30 / 5 / 1mm]
2-651-	Leading Edge On	Plain:Weight 0	ENG	[0 to 30 / 10 / 1ms]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
100	Timing:2nd			
2-651-101	Leading Edge On Timing:2nd	Plain:Weight 1	ENG	[0 to 30 / 10 / 1ms]
2-651-102	Leading Edge On Timing:2nd	Plain:Weight 2	ENG	[0 to 30 / 10 / 1ms]
2-651-103	Leading Edge On Timing:2nd	Plain:Weight 3	ENG	[0 to 30 / 10 / 1ms]
2-651-104	Leading Edge On Timing:2nd	Plain:Weight 4	ENG	[0 to 30 / 10 / 1ms]
2-651-105	Leading Edge On Timing:2nd	Plain:Weight 5	ENG	[0 to 30 / 10 / 1ms]
2-651-106	Leading Edge On Timing:2nd	Plain:Weight 6	ENG	[0 to 30 / 10 / 1ms]
2-651-107	Leading Edge On Timing:2nd	Plain:Weight 7	ENG	[0 to 30 / 10 / 1ms]
2-651-108	Leading Edge On Timing:2nd	Plain:Weight 8	ENG	[0 to 30 / 10 / 1ms]
2-651-120	Leading Edge On Timing:2nd	Glossy:Weight 0	ENG	[0 to 30 / 10 / 1ms]
2-651-121	Leading Edge On Timing:2nd	Glossy:Weight 1	ENG	[0 to 30 / 10 / 1ms]
2-651-122	Leading Edge On Timing:2nd	Glossy:Weight 2	ENG	[0 to 30 / 10 / 1ms]
2-651-123	Leading Edge On Timing:2nd	Glossy:Weight 3	ENG	[0 to 30 / 10 / 1ms]
2-651-124	Leading Edge On Timing:2nd	Glossy:Weight 4	ENG	[0 to 30 / 10 / 1ms]
2-651-125	Leading Edge On Timing:2nd	Glossy:Weight 5	ENG	[0 to 30 / 10 / 1ms]
2-651-126	Leading Edge On Timing:2nd	Glossy:Weight 6	ENG	[0 to 30 / 10 / 1ms]
2-651-127	Leading Edge On Timing:2nd	Glossy:Weight 7	ENG	[0 to 30 / 10 / 1ms]
2-651-128	Leading Edge On Timing:2nd	Glossy:Weight 8	ENG	[0 to 30 / 10 / 1ms]
2-651-	Leading Edge On	Matte:Weight 0	ENG	[0 to 30 / 10 / 1ms]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140	Timing:2nd			
2-651-141	Leading Edge On Timing:2nd	Matte:Weight 1	ENG	[0 to 30 / 10 / 1ms]
2-651-142	Leading Edge On Timing:2nd	Matte:Weight 2	ENG	[0 to 30 / 10 / 1ms]
2-651-143	Leading Edge On Timing:2nd	Matte:Weight 3	ENG	[0 to 30 / 10 / 1ms]
2-651-144	Leading Edge On Timing:2nd	Matte:Weight 4	ENG	[0 to 30 / 10 / 1ms]
2-651-145	Leading Edge On Timing:2nd	Matte:Weight 5	ENG	[0 to 30 / 10 / 1ms]
2-651-146	Leading Edge On Timing:2nd	Matte:Weight 6	ENG	[0 to 30 / 10 / 1ms]
2-651-147	Leading Edge On Timing:2nd	Matte:Weight 7	ENG	[0 to 30 / 10 / 1ms]
2-651-148	Leading Edge On Timing:2nd	Matte:Weight 8	ENG	[0 to 30 / 10 / 1ms]
2-651-155	Leading Edge On Timing:2nd	OHP:Weight 5	ENG	[0 to 30 / 10 / 1ms]
2-651-161	Leading Edge On Timing:2nd	Transluc:Weight 1	ENG	[0 to 30 / 10 / 1ms]
2-651-175	Leading Edge On Timing:2nd	Envelope:Weight 5	ENG	[0 to 30 / 10 / 1ms]
2-651-176	Leading Edge On Timing:2nd	Envelope:Weight 6	ENG	[0 to 30 / 10 / 1ms]
2-651-177	Leading Edge On Timing:2nd	Envelope:Weight 7	ENG	[0 to 30 / 10 / 1ms]
2-651-178	Leading Edge On Timing:2nd	Envelope:Weight 8	ENG	[0 to 30 / 10 / 1ms]
2-652-100	Trail Edge Off Timing:2nd	Plain:Weight 0	ENG	[0 to 30 / 0 / 1ms]
2-652-101	Trail Edge Off Timing:2nd	Plain:Weight 1	ENG	[0 to 30 / 0 / 1ms]
2-652-102	Trail Edge Off Timing:2nd	Plain:Weight 2	ENG	[0 to 30 / 0 / 1ms]
2-652-	Trail Edge Off Timing:2nd	Plain:Weight 3	ENG	[0 to 30 / 0 / 1ms]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
2-652-104	Trail Edge Off Timing:2nd	Plain:Weight 4	ENG	[0 to 30 / 0 / 1ms]
2-652-105	Trail Edge Off Timing:2nd	Plain:Weight 5	ENG	[0 to 30 / 0 / 1ms]
2-652-106	Trail Edge Off Timing:2nd	Plain:Weight 6	ENG	[0 to 30 / 0 / 1ms]
2-652-107	Trail Edge Off Timing:2nd	Plain:Weight 7	ENG	[0 to 30 / 0 / 1ms]
2-652-108	Trail Edge Off Timing:2nd	Plain:Weight 8	ENG	[0 to 30 / 0 / 1ms]
2-652-120	Trail Edge Off Timing:2nd	Glossy:Weight 0	ENG	[0 to 30 / 0 / 1ms]
2-652-121	Trail Edge Off Timing:2nd	Glossy:Weight 1	ENG	[0 to 30 / 0 / 1ms]
2-652-122	Trail Edge Off Timing:2nd	Glossy:Weight 2	ENG	[0 to 30 / 0 / 1ms]
2-652-123	Trail Edge Off Timing:2nd	Glossy:Weight 3	ENG	[0 to 30 / 0 / 1ms]
2-652-124	Trail Edge Off Timing:2nd	Glossy:Weight 4	ENG	[0 to 30 / 0 / 1ms]
2-652-125	Trail Edge Off Timing:2nd	Glossy:Weight 5	ENG	[0 to 30 / 0 / 1ms]
2-652-126	Trail Edge Off Timing:2nd	Glossy:Weight 6	ENG	[0 to 30 / 0 / 1ms]
2-652-127	Trail Edge Off Timing:2nd	Glossy:Weight 7	ENG	[0 to 30 / 0 / 1ms]
2-652-128	Trail Edge Off Timing:2nd	Glossy:Weight 8	ENG	[0 to 30 / 0 / 1ms]
2-652-140	Trail Edge Off Timing:2nd	Matte:Weight 0	ENG	[0 to 30 / 0 / 1ms]
2-652-141	Trail Edge Off Timing:2nd	Matte:Weight 1	ENG	[0 to 30 / 0 / 1ms]
2-652-142	Trail Edge Off Timing:2nd	Matte:Weight 2	ENG	[0 to 30 / 0 / 1ms]
2-652-	Trail Edge Off Timing:2nd	Matte:Weight 3	ENG	[0 to 30 / 0 / 1ms]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
143				
2-652-144	Trail Edge Off Timing:2nd	Matte:Weight 4	ENG	[0 to 30 / 0 / 1ms]
2-652-145	Trail Edge Off Timing:2nd	Matte:Weight 5	ENG	[0 to 30 / 0 / 1ms]
2-652-146	Trail Edge Off Timing:2nd	Matte:Weight 6	ENG	[0 to 30 / 0 / 1ms]
2-652-147	Trail Edge Off Timing:2nd	Matte:Weight 7	ENG	[0 to 30 / 0 / 1ms]
2-652-148	Trail Edge Off Timing:2nd	Matte:Weight 8	ENG	[0 to 30 / 0 / 1ms]
2-652-155	Trail Edge Off Timing:2nd	OHP:Weight 5	ENG	[0 to 30 / 0 / 1ms]
2-652-161	Trail Edge Off Timing:2nd	Transluc:Weight 1	ENG	[0 to 30 / 0 / 1ms]
2-652-175	Trail Edge Off Timing:2nd	Envelope:Weight 5	ENG	[0 to 30 / 0 / 1ms]
2-652-176	Trail Edge Off Timing:2nd	Envelope:Weight 6	ENG	[0 to 30 / 0 / 1ms]
2-652-177	Trail Edge Off Timing:2nd	Envelope:Weight 7	ENG	[0 to 30 / 0 / 1ms]
2-652-178	Trail Edge Off Timing:2nd	Envelope:Weight 8	ENG	[0 to 30 / 0 / 1ms]
2-671-001	Cleaning BF/AF JOB	Value	ENG	[0 to 1000 / 500 / 1V]
2-671-002	Cleaning BF/AF JOB	Coefficient	ENG	[10 to 995 / 100 / 1%]
2-671-003	Cleaning BF/AF JOB	Positive	ENG	[0 to 1000 / 1000 / 1V]
2-671-004	Cleaning BF/AF JOB	Negative	ENG	[10 to 995 / 100 / 1%]
2-671-005	Cleaning BF/AF JOB	Posi:prevention	ENG	[0 to 1000 / 500 / 1V]
2-671-011	Cleaning BF/AF JOB	CL Recip:Before Trans	ENG	[0 to 99 / 2 / 1kai]
2-671-	Cleaning BF/AF JOB	CL Recip:After Trans	ENG	[0 to 99 / 1 / 1kai]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
2-671-013	Cleaning BF/AF JOB	CL Recip:Power On	ENG	[0 to 99 / 9 / 1kai]
2-780-001	Bottle1OPEN/CLOSE	OPEN/CLOSE	ENG	[0 to 1 / 0 / 0]
2-780-002	Bottle2OPEN/CLOSE	OPEN/CLOSE	ENG	[0 to 1 / 0 / 0]
2-800-001	L:Drum Inching	Operation Setting	ENG	[0 to 1 / 0 / 1]
2-800-002	L:Drum Inching	Temperature Thresh	ENG	[0 to 45 / 10 / 1deg]
2-800-003	L:Drum Inching	Operation Timing	ENG	[1 to 3600 / 300 / 1sec]
2-800-004	L:Drum Inching	Drive Time	ENG	[100 to 65500 / 1630 / 10msec]
2-800-005	L:Drum Inching	Total Time	ENG	[1 to 360 / 60 / 1min]
2-801-001	HH:Drum Inching	Operation Setting	ENG	[0 to 1 / 1 / 1]
2-801-002	HH:Drum Inching	Humidity Thresh	ENG	[0 to 6300 / 1600 / 0.01g/m3]
2-801-003	HH:Drum Inching	Temperature Thresh	ENG	[0 to 45 / 28 / 1deg]
2-801-004	HH:Drum Inching	Operation Timing	ENG	[1 to 600 / 180 / 1sec]
2-801-005	HH:Drum Inching	Drive Time	ENG	[100 to 65500 / 1630 / 10msec]
2-801-006	HH:Drum Inching	Total Time	ENG	[1 to 360 / 60 / 1min]
2-810-001	Clear blurred img	short time-lower limit time	ENG	[0 to 240 / 120 / 1min]
2-810-002	Clear blurred img	short time-lower limit temperature	ENG	[0 to 45 / 25 / 1deg]
2-810-003	Clear blurred img	short time-temp-mode transition	ENG	[0 to 45 / 27 / 1deg]
2-810-	Clear blurred img	short time-lower limit abs	ENG	[0 to 45 / 16 / 1g/m3]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004		humidity disp		
2-810-005	Clear blurred img	short time-abs humidity disp-mode transition	ENG	[0 to 45 / 20 / 1g/m3]
2-810-006	Clear blurred img	short time-excute time	ENG	[60 to 360 / 120 / 1sec]
2-810-007	Clear blurred img	long time-lower limit time	ENG	[0 to 24 / 6 / 1h]
2-810-008	Clear blurred img	long time-lower limit temperature	ENG	[0 to 45 / 20 / 1deg]
2-810-009	Clear blurred img	long time-temp-mode transition	ENG	[0 to 45 / 25 / 1deg]
2-810-010	Clear blurred img	long time-lower limit abs humidity disp	ENG	[0 to 45 / 10 / 1g/m3]
2-810-011	Clear blurred img	long time-abs humidity disp-mode transition	ENG	[0 to 45 / 14 / 1g/m3]
2-810-012	Clear blurred img	long time-excute time	ENG	[60 to 360 / 240 / 1sec]
2-810-013	Clear blurred img	excute	ENG	[0 to 1 / 0 / 1]
2-810-014	Clear blurred img	select clear blurred img mode	ENG	[0 to 1 / 0 / 1] 0: Clear blurred img: Weak 1: Clear blurred img: Strong
2-810-015	Clear blurred img	excute time	ENG	[60 to 360 / 120 / 1sec]
2-811-001	PTR Current:Side1	Custom Paper 001	ENG	[-400 to 0 / -100 / 1uA]
2-811-002	PTR Current:Side1	Custom Paper 002	ENG	[-400 to 0 / -100 / 1uA]
2-811-003	PTR Current:Side1	Custom Paper 003	ENG	[-400 to 0 / -100 / 1uA]
2-811-004	PTR Current:Side1	Custom Paper 004	ENG	[-400 to 0 / -100 / 1uA]
2-811-005	PTR Current:Side1	Custom Paper 005	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-006	PTR Current:Side1	Custom Paper 006	ENG	[-400 to 0 / -100 / 1uA]
2-811-007	PTR Current:Side1	Custom Paper 007	ENG	[-400 to 0 / -100 / 1uA]
2-811-008	PTR Current:Side1	Custom Paper 008	ENG	[-400 to 0 / -100 / 1uA]
2-811-009	PTR Current:Side1	Custom Paper 009	ENG	[-400 to 0 / -100 / 1uA]
2-811-010	PTR Current:Side1	Custom Paper 010	ENG	[-400 to 0 / -100 / 1uA]
2-811-011	PTR Current:Side1	Custom Paper 011	ENG	[-400 to 0 / -100 / 1uA]
2-811-012	PTR Current:Side1	Custom Paper 012	ENG	[-400 to 0 / -100 / 1uA]
2-811-013	PTR Current:Side1	Custom Paper 013	ENG	[-400 to 0 / -100 / 1uA]
2-811-014	PTR Current:Side1	Custom Paper 014	ENG	[-400 to 0 / -100 / 1uA]
2-811-015	PTR Current:Side1	Custom Paper 015	ENG	[-400 to 0 / -100 / 1uA]
2-811-016	PTR Current:Side1	Custom Paper 016	ENG	[-400 to 0 / -100 / 1uA]
2-811-017	PTR Current:Side1	Custom Paper 017	ENG	[-400 to 0 / -100 / 1uA]
2-811-018	PTR Current:Side1	Custom Paper 018	ENG	[-400 to 0 / -100 / 1uA]
2-811-019	PTR Current:Side1	Custom Paper 019	ENG	[-400 to 0 / -100 / 1uA]
2-811-020	PTR Current:Side1	Custom Paper 020	ENG	[-400 to 0 / -100 / 1uA]
2-811-021	PTR Current:Side1	Custom Paper 021	ENG	[-400 to 0 / -100 / 1uA]
2-811-022	PTR Current:Side1	Custom Paper 022	ENG	[-400 to 0 / -100 / 1uA]
2-811-023	PTR Current:Side1	Custom Paper 023	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-024	PTR Current:Side1	Custom Paper 024	ENG	[-400 to 0 / -100 / 1uA]
2-811-025	PTR Current:Side1	Custom Paper 025	ENG	[-400 to 0 / -100 / 1uA]
2-811-026	PTR Current:Side1	Custom Paper 026	ENG	[-400 to 0 / -100 / 1uA]
2-811-027	PTR Current:Side1	Custom Paper 027	ENG	[-400 to 0 / -100 / 1uA]
2-811-028	PTR Current:Side1	Custom Paper 028	ENG	[-400 to 0 / -100 / 1uA]
2-811-029	PTR Current:Side1	Custom Paper 029	ENG	[-400 to 0 / -100 / 1uA]
2-811-030	PTR Current:Side1	Custom Paper 030	ENG	[-400 to 0 / -100 / 1uA]
2-811-031	PTR Current:Side1	Custom Paper 031	ENG	[-400 to 0 / -100 / 1uA]
2-811-032	PTR Current:Side1	Custom Paper 032	ENG	[-400 to 0 / -100 / 1uA]
2-811-033	PTR Current:Side1	Custom Paper 033	ENG	[-400 to 0 / -100 / 1uA]
2-811-034	PTR Current:Side1	Custom Paper 034	ENG	[-400 to 0 / -100 / 1uA]
2-811-035	PTR Current:Side1	Custom Paper 035	ENG	[-400 to 0 / -100 / 1uA]
2-811-036	PTR Current:Side1	Custom Paper 036	ENG	[-400 to 0 / -100 / 1uA]
2-811-037	PTR Current:Side1	Custom Paper 037	ENG	[-400 to 0 / -100 / 1uA]
2-811-038	PTR Current:Side1	Custom Paper 038	ENG	[-400 to 0 / -100 / 1uA]
2-811-039	PTR Current:Side1	Custom Paper 039	ENG	[-400 to 0 / -100 / 1uA]
2-811-040	PTR Current:Side1	Custom Paper 040	ENG	[-400 to 0 / -100 / 1uA]
2-811-041	PTR Current:Side1	Custom Paper 041	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-042	PTR Current:Side1	Custom Paper 042	ENG	[-400 to 0 / -100 / 1uA]
2-811-043	PTR Current:Side1	Custom Paper 043	ENG	[-400 to 0 / -100 / 1uA]
2-811-044	PTR Current:Side1	Custom Paper 044	ENG	[-400 to 0 / -100 / 1uA]
2-811-045	PTR Current:Side1	Custom Paper 045	ENG	[-400 to 0 / -100 / 1uA]
2-811-046	PTR Current:Side1	Custom Paper 046	ENG	[-400 to 0 / -100 / 1uA]
2-811-047	PTR Current:Side1	Custom Paper 047	ENG	[-400 to 0 / -100 / 1uA]
2-811-048	PTR Current:Side1	Custom Paper 048	ENG	[-400 to 0 / -100 / 1uA]
2-811-049	PTR Current:Side1	Custom Paper 049	ENG	[-400 to 0 / -100 / 1uA]
2-811-050	PTR Current:Side1	Custom Paper 050	ENG	[-400 to 0 / -100 / 1uA]
2-811-051	PTR Current:Side1	Custom Paper 051	ENG	[-400 to 0 / -100 / 1uA]
2-811-052	PTR Current:Side1	Custom Paper 052	ENG	[-400 to 0 / -100 / 1uA]
2-811-053	PTR Current:Side1	Custom Paper 053	ENG	[-400 to 0 / -100 / 1uA]
2-811-054	PTR Current:Side1	Custom Paper 054	ENG	[-400 to 0 / -100 / 1uA]
2-811-055	PTR Current:Side1	Custom Paper 055	ENG	[-400 to 0 / -100 / 1uA]
2-811-056	PTR Current:Side1	Custom Paper 056	ENG	[-400 to 0 / -100 / 1uA]
2-811-057	PTR Current:Side1	Custom Paper 057	ENG	[-400 to 0 / -100 / 1uA]
2-811-058	PTR Current:Side1	Custom Paper 058	ENG	[-400 to 0 / -100 / 1uA]
2-811-059	PTR Current:Side1	Custom Paper 059	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-060	PTR Current:Side1	Custom Paper 060	ENG	[-400 to 0 / -100 / 1uA]
2-811-061	PTR Current:Side1	Custom Paper 061	ENG	[-400 to 0 / -100 / 1uA]
2-811-062	PTR Current:Side1	Custom Paper 062	ENG	[-400 to 0 / -100 / 1uA]
2-811-063	PTR Current:Side1	Custom Paper 063	ENG	[-400 to 0 / -100 / 1uA]
2-811-064	PTR Current:Side1	Custom Paper 064	ENG	[-400 to 0 / -100 / 1uA]
2-811-065	PTR Current:Side1	Custom Paper 065	ENG	[-400 to 0 / -100 / 1uA]
2-811-066	PTR Current:Side1	Custom Paper 066	ENG	[-400 to 0 / -100 / 1uA]
2-811-067	PTR Current:Side1	Custom Paper 067	ENG	[-400 to 0 / -100 / 1uA]
2-811-068	PTR Current:Side1	Custom Paper 068	ENG	[-400 to 0 / -100 / 1uA]
2-811-069	PTR Current:Side1	Custom Paper 069	ENG	[-400 to 0 / -100 / 1uA]
2-811-070	PTR Current:Side1	Custom Paper 070	ENG	[-400 to 0 / -100 / 1uA]
2-811-071	PTR Current:Side1	Custom Paper 071	ENG	[-400 to 0 / -100 / 1uA]
2-811-072	PTR Current:Side1	Custom Paper 072	ENG	[-400 to 0 / -100 / 1uA]
2-811-073	PTR Current:Side1	Custom Paper 073	ENG	[-400 to 0 / -100 / 1uA]
2-811-074	PTR Current:Side1	Custom Paper 074	ENG	[-400 to 0 / -100 / 1uA]
2-811-075	PTR Current:Side1	Custom Paper 075	ENG	[-400 to 0 / -100 / 1uA]
2-811-076	PTR Current:Side1	Custom Paper 076	ENG	[-400 to 0 / -100 / 1uA]
2-811-077	PTR Current:Side1	Custom Paper 077	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-078	PTR Current:Side1	Custom Paper 078	ENG	[-400 to 0 / -100 / 1uA]
2-811-079	PTR Current:Side1	Custom Paper 079	ENG	[-400 to 0 / -100 / 1uA]
2-811-080	PTR Current:Side1	Custom Paper 080	ENG	[-400 to 0 / -100 / 1uA]
2-811-081	PTR Current:Side1	Custom Paper 081	ENG	[-400 to 0 / -100 / 1uA]
2-811-082	PTR Current:Side1	Custom Paper 082	ENG	[-400 to 0 / -100 / 1uA]
2-811-083	PTR Current:Side1	Custom Paper 083	ENG	[-400 to 0 / -100 / 1uA]
2-811-084	PTR Current:Side1	Custom Paper 084	ENG	[-400 to 0 / -100 / 1uA]
2-811-085	PTR Current:Side1	Custom Paper 085	ENG	[-400 to 0 / -100 / 1uA]
2-811-086	PTR Current:Side1	Custom Paper 086	ENG	[-400 to 0 / -100 / 1uA]
2-811-087	PTR Current:Side1	Custom Paper 087	ENG	[-400 to 0 / -100 / 1uA]
2-811-088	PTR Current:Side1	Custom Paper 088	ENG	[-400 to 0 / -100 / 1uA]
2-811-089	PTR Current:Side1	Custom Paper 089	ENG	[-400 to 0 / -100 / 1uA]
2-811-090	PTR Current:Side1	Custom Paper 090	ENG	[-400 to 0 / -100 / 1uA]
2-811-091	PTR Current:Side1	Custom Paper 091	ENG	[-400 to 0 / -100 / 1uA]
2-811-092	PTR Current:Side1	Custom Paper 092	ENG	[-400 to 0 / -100 / 1uA]
2-811-093	PTR Current:Side1	Custom Paper 093	ENG	[-400 to 0 / -100 / 1uA]
2-811-094	PTR Current:Side1	Custom Paper 094	ENG	[-400 to 0 / -100 / 1uA]
2-811-095	PTR Current:Side1	Custom Paper 095	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-811-096	PTR Current:Side1	Custom Paper 096	ENG	[-400 to 0 / -100 / 1uA]
2-811-097	PTR Current:Side1	Custom Paper 097	ENG	[-400 to 0 / -100 / 1uA]
2-811-098	PTR Current:Side1	Custom Paper 098	ENG	[-400 to 0 / -100 / 1uA]
2-811-099	PTR Current:Side1	Custom Paper 099	ENG	[-400 to 0 / -100 / 1uA]
2-811-100	PTR Current:Side1	Custom Paper 100	ENG	[-400 to 0 / -100 / 1uA]
2-812-001	PTR Current:Side2	Custom Paper 001	ENG	[-400 to 0 / -100 / 1uA]
2-812-002	PTR Current:Side2	Custom Paper 002	ENG	[-400 to 0 / -100 / 1uA]
2-812-003	PTR Current:Side2	Custom Paper 003	ENG	[-400 to 0 / -100 / 1uA]
2-812-004	PTR Current:Side2	Custom Paper 004	ENG	[-400 to 0 / -100 / 1uA]
2-812-005	PTR Current:Side2	Custom Paper 005	ENG	[-400 to 0 / -100 / 1uA]
2-812-006	PTR Current:Side2	Custom Paper 006	ENG	[-400 to 0 / -100 / 1uA]
2-812-007	PTR Current:Side2	Custom Paper 007	ENG	[-400 to 0 / -100 / 1uA]
2-812-008	PTR Current:Side2	Custom Paper 008	ENG	[-400 to 0 / -100 / 1uA]
2-812-009	PTR Current:Side2	Custom Paper 009	ENG	[-400 to 0 / -100 / 1uA]
2-812-010	PTR Current:Side2	Custom Paper 010	ENG	[-400 to 0 / -100 / 1uA]
2-812-011	PTR Current:Side2	Custom Paper 011	ENG	[-400 to 0 / -100 / 1uA]
2-812-012	PTR Current:Side2	Custom Paper 012	ENG	[-400 to 0 / -100 / 1uA]
2-812-013	PTR Current:Side2	Custom Paper 013	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-812-014	PTR Current:Side2	Custom Paper 014	ENG	[-400 to 0 / -100 / 1uA]
2-812-015	PTR Current:Side2	Custom Paper 015	ENG	[-400 to 0 / -100 / 1uA]
2-812-016	PTR Current:Side2	Custom Paper 016	ENG	[-400 to 0 / -100 / 1uA]
2-812-017	PTR Current:Side2	Custom Paper 017	ENG	[-400 to 0 / -100 / 1uA]
2-812-018	PTR Current:Side2	Custom Paper 018	ENG	[-400 to 0 / -100 / 1uA]
2-812-019	PTR Current:Side2	Custom Paper 019	ENG	[-400 to 0 / -100 / 1uA]
2-812-020	PTR Current:Side2	Custom Paper 020	ENG	[-400 to 0 / -100 / 1uA]
2-812-021	PTR Current:Side2	Custom Paper 021	ENG	[-400 to 0 / -100 / 1uA]
2-812-022	PTR Current:Side2	Custom Paper 022	ENG	[-400 to 0 / -100 / 1uA]
2-812-023	PTR Current:Side2	Custom Paper 023	ENG	[-400 to 0 / -100 / 1uA]
2-812-024	PTR Current:Side2	Custom Paper 024	ENG	[-400 to 0 / -100 / 1uA]
2-812-025	PTR Current:Side2	Custom Paper 025	ENG	[-400 to 0 / -100 / 1uA]
2-812-026	PTR Current:Side2	Custom Paper 026	ENG	[-400 to 0 / -100 / 1uA]
2-812-027	PTR Current:Side2	Custom Paper 027	ENG	[-400 to 0 / -100 / 1uA]
2-812-028	PTR Current:Side2	Custom Paper 028	ENG	[-400 to 0 / -100 / 1uA]
2-812-029	PTR Current:Side2	Custom Paper 029	ENG	[-400 to 0 / -100 / 1uA]
2-812-030	PTR Current:Side2	Custom Paper 030	ENG	[-400 to 0 / -100 / 1uA]
2-812-031	PTR Current:Side2	Custom Paper 031	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-812-032	PTR Current:Side2	Custom Paper 032	ENG	[-400 to 0 / -100 / 1uA]
2-812-033	PTR Current:Side2	Custom Paper 033	ENG	[-400 to 0 / -100 / 1uA]
2-812-034	PTR Current:Side2	Custom Paper 034	ENG	[-400 to 0 / -100 / 1uA]
2-812-035	PTR Current:Side2	Custom Paper 035	ENG	[-400 to 0 / -100 / 1uA]
2-812-036	PTR Current:Side2	Custom Paper 036	ENG	[-400 to 0 / -100 / 1uA]
2-812-037	PTR Current:Side2	Custom Paper 037	ENG	[-400 to 0 / -100 / 1uA]
2-812-038	PTR Current:Side2	Custom Paper 038	ENG	[-400 to 0 / -100 / 1uA]
2-812-039	PTR Current:Side2	Custom Paper 039	ENG	[-400 to 0 / -100 / 1uA]
2-812-040	PTR Current:Side2	Custom Paper 040	ENG	[-400 to 0 / -100 / 1uA]
2-812-041	PTR Current:Side2	Custom Paper 041	ENG	[-400 to 0 / -100 / 1uA]
2-812-042	PTR Current:Side2	Custom Paper 042	ENG	[-400 to 0 / -100 / 1uA]
2-812-043	PTR Current:Side2	Custom Paper 043	ENG	[-400 to 0 / -100 / 1uA]
2-812-044	PTR Current:Side2	Custom Paper 044	ENG	[-400 to 0 / -100 / 1uA]
2-812-045	PTR Current:Side2	Custom Paper 045	ENG	[-400 to 0 / -100 / 1uA]
2-812-046	PTR Current:Side2	Custom Paper 046	ENG	[-400 to 0 / -100 / 1uA]
2-812-047	PTR Current:Side2	Custom Paper 047	ENG	[-400 to 0 / -100 / 1uA]
2-812-048	PTR Current:Side2	Custom Paper 048	ENG	[-400 to 0 / -100 / 1uA]
2-812-049	PTR Current:Side2	Custom Paper 049	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-812-050	PTR Current:Side2	Custom Paper 050	ENG	[-400 to 0 / -100 / 1uA]
2-812-051	PTR Current:Side2	Custom Paper 051	ENG	[-400 to 0 / -100 / 1uA]
2-812-052	PTR Current:Side2	Custom Paper 052	ENG	[-400 to 0 / -100 / 1uA]
2-812-053	PTR Current:Side2	Custom Paper 053	ENG	[-400 to 0 / -100 / 1uA]
2-812-054	PTR Current:Side2	Custom Paper 054	ENG	[-400 to 0 / -100 / 1uA]
2-812-055	PTR Current:Side2	Custom Paper 055	ENG	[-400 to 0 / -100 / 1uA]
2-812-056	PTR Current:Side2	Custom Paper 056	ENG	[-400 to 0 / -100 / 1uA]
2-812-057	PTR Current:Side2	Custom Paper 057	ENG	[-400 to 0 / -100 / 1uA]
2-812-058	PTR Current:Side2	Custom Paper 058	ENG	[-400 to 0 / -100 / 1uA]
2-812-059	PTR Current:Side2	Custom Paper 059	ENG	[-400 to 0 / -100 / 1uA]
2-812-060	PTR Current:Side2	Custom Paper 060	ENG	[-400 to 0 / -100 / 1uA]
2-812-061	PTR Current:Side2	Custom Paper 061	ENG	[-400 to 0 / -100 / 1uA]
2-812-062	PTR Current:Side2	Custom Paper 062	ENG	[-400 to 0 / -100 / 1uA]
2-812-063	PTR Current:Side2	Custom Paper 063	ENG	[-400 to 0 / -100 / 1uA]
2-812-064	PTR Current:Side2	Custom Paper 064	ENG	[-400 to 0 / -100 / 1uA]
2-812-065	PTR Current:Side2	Custom Paper 065	ENG	[-400 to 0 / -100 / 1uA]
2-812-066	PTR Current:Side2	Custom Paper 066	ENG	[-400 to 0 / -100 / 1uA]
2-812-067	PTR Current:Side2	Custom Paper 067	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-812-068	PTR Current:Side2	Custom Paper 068	ENG	[-400 to 0 / -100 / 1uA]
2-812-069	PTR Current:Side2	Custom Paper 069	ENG	[-400 to 0 / -100 / 1uA]
2-812-070	PTR Current:Side2	Custom Paper 070	ENG	[-400 to 0 / -100 / 1uA]
2-812-071	PTR Current:Side2	Custom Paper 071	ENG	[-400 to 0 / -100 / 1uA]
2-812-072	PTR Current:Side2	Custom Paper 072	ENG	[-400 to 0 / -100 / 1uA]
2-812-073	PTR Current:Side2	Custom Paper 073	ENG	[-400 to 0 / -100 / 1uA]
2-812-074	PTR Current:Side2	Custom Paper 074	ENG	[-400 to 0 / -100 / 1uA]
2-812-075	PTR Current:Side2	Custom Paper 075	ENG	[-400 to 0 / -100 / 1uA]
2-812-076	PTR Current:Side2	Custom Paper 076	ENG	[-400 to 0 / -100 / 1uA]
2-812-077	PTR Current:Side2	Custom Paper 077	ENG	[-400 to 0 / -100 / 1uA]
2-812-078	PTR Current:Side2	Custom Paper 078	ENG	[-400 to 0 / -100 / 1uA]
2-812-079	PTR Current:Side2	Custom Paper 079	ENG	[-400 to 0 / -100 / 1uA]
2-812-080	PTR Current:Side2	Custom Paper 080	ENG	[-400 to 0 / -100 / 1uA]
2-812-081	PTR Current:Side2	Custom Paper 081	ENG	[-400 to 0 / -100 / 1uA]
2-812-082	PTR Current:Side2	Custom Paper 082	ENG	[-400 to 0 / -100 / 1uA]
2-812-083	PTR Current:Side2	Custom Paper 083	ENG	[-400 to 0 / -100 / 1uA]
2-812-084	PTR Current:Side2	Custom Paper 084	ENG	[-400 to 0 / -100 / 1uA]
2-812-085	PTR Current:Side2	Custom Paper 085	ENG	[-400 to 0 / -100 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-812-086	PTR Current:Side2	Custom Paper 086	ENG	[-400 to 0 / -100 / 1uA]
2-812-087	PTR Current:Side2	Custom Paper 087	ENG	[-400 to 0 / -100 / 1uA]
2-812-088	PTR Current:Side2	Custom Paper 088	ENG	[-400 to 0 / -100 / 1uA]
2-812-089	PTR Current:Side2	Custom Paper 089	ENG	[-400 to 0 / -100 / 1uA]
2-812-090	PTR Current:Side2	Custom Paper 090	ENG	[-400 to 0 / -100 / 1uA]
2-812-091	PTR Current:Side2	Custom Paper 091	ENG	[-400 to 0 / -100 / 1uA]
2-812-092	PTR Current:Side2	Custom Paper 092	ENG	[-400 to 0 / -100 / 1uA]
2-812-093	PTR Current:Side2	Custom Paper 093	ENG	[-400 to 0 / -100 / 1uA]
2-812-094	PTR Current:Side2	Custom Paper 094	ENG	[-400 to 0 / -100 / 1uA]
2-812-095	PTR Current:Side2	Custom Paper 095	ENG	[-400 to 0 / -100 / 1uA]
2-812-096	PTR Current:Side2	Custom Paper 096	ENG	[-400 to 0 / -100 / 1uA]
2-812-097	PTR Current:Side2	Custom Paper 097	ENG	[-400 to 0 / -100 / 1uA]
2-812-098	PTR Current:Side2	Custom Paper 098	ENG	[-400 to 0 / -100 / 1uA]
2-812-099	PTR Current:Side2	Custom Paper 099	ENG	[-400 to 0 / -100 / 1uA]
2-812-100	PTR Current:Side2	Custom Paper 100	ENG	[-400 to 0 / -100 / 1uA]
2-813-001	Leading Edge Corr Coef:2nd	Custom Paper 001	ENG	[0 to 300 / 140 / 1%]
2-813-002	Leading Edge Corr Coef:2nd	Custom Paper 002	ENG	[0 to 300 / 140 / 1%]
2-813-003	Leading Edge Corr Coef:2nd	Custom Paper 003	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-004	Leading Edge Corr Coef:2nd	Custom Paper 004	ENG	[0 to 300 / 140 / 1%]
2-813-005	Leading Edge Corr Coef:2nd	Custom Paper 005	ENG	[0 to 300 / 140 / 1%]
2-813-006	Leading Edge Corr Coef:2nd	Custom Paper 006	ENG	[0 to 300 / 140 / 1%]
2-813-007	Leading Edge Corr Coef:2nd	Custom Paper 007	ENG	[0 to 300 / 140 / 1%]
2-813-008	Leading Edge Corr Coef:2nd	Custom Paper 008	ENG	[0 to 300 / 140 / 1%]
2-813-009	Leading Edge Corr Coef:2nd	Custom Paper 009	ENG	[0 to 300 / 140 / 1%]
2-813-010	Leading Edge Corr Coef:2nd	Custom Paper 010	ENG	[0 to 300 / 140 / 1%]
2-813-011	Leading Edge Corr Coef:2nd	Custom Paper 011	ENG	[0 to 300 / 140 / 1%]
2-813-012	Leading Edge Corr Coef:2nd	Custom Paper 012	ENG	[0 to 300 / 140 / 1%]
2-813-013	Leading Edge Corr Coef:2nd	Custom Paper 013	ENG	[0 to 300 / 140 / 1%]
2-813-014	Leading Edge Corr Coef:2nd	Custom Paper 014	ENG	[0 to 300 / 140 / 1%]
2-813-015	Leading Edge Corr Coef:2nd	Custom Paper 015	ENG	[0 to 300 / 140 / 1%]
2-813-016	Leading Edge Corr Coef:2nd	Custom Paper 016	ENG	[0 to 300 / 140 / 1%]
2-813-017	Leading Edge Corr Coef:2nd	Custom Paper 017	ENG	[0 to 300 / 140 / 1%]
2-813-018	Leading Edge Corr Coef:2nd	Custom Paper 018	ENG	[0 to 300 / 140 / 1%]
2-813-019	Leading Edge Corr Coef:2nd	Custom Paper 019	ENG	[0 to 300 / 140 / 1%]
2-813-020	Leading Edge Corr Coef:2nd	Custom Paper 020	ENG	[0 to 300 / 140 / 1%]
2-813-021	Leading Edge Corr Coef:2nd	Custom Paper 021	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-022	Leading Edge Corr Coef:2nd	Custom Paper 022	ENG	[0 to 300 / 140 / 1%]
2-813-023	Leading Edge Corr Coef:2nd	Custom Paper 023	ENG	[0 to 300 / 140 / 1%]
2-813-024	Leading Edge Corr Coef:2nd	Custom Paper 024	ENG	[0 to 300 / 140 / 1%]
2-813-025	Leading Edge Corr Coef:2nd	Custom Paper 025	ENG	[0 to 300 / 140 / 1%]
2-813-026	Leading Edge Corr Coef:2nd	Custom Paper 026	ENG	[0 to 300 / 140 / 1%]
2-813-027	Leading Edge Corr Coef:2nd	Custom Paper 027	ENG	[0 to 300 / 140 / 1%]
2-813-028	Leading Edge Corr Coef:2nd	Custom Paper 028	ENG	[0 to 300 / 140 / 1%]
2-813-029	Leading Edge Corr Coef:2nd	Custom Paper 029	ENG	[0 to 300 / 140 / 1%]
2-813-030	Leading Edge Corr Coef:2nd	Custom Paper 030	ENG	[0 to 300 / 140 / 1%]
2-813-031	Leading Edge Corr Coef:2nd	Custom Paper 031	ENG	[0 to 300 / 140 / 1%]
2-813-032	Leading Edge Corr Coef:2nd	Custom Paper 032	ENG	[0 to 300 / 140 / 1%]
2-813-033	Leading Edge Corr Coef:2nd	Custom Paper 033	ENG	[0 to 300 / 140 / 1%]
2-813-034	Leading Edge Corr Coef:2nd	Custom Paper 034	ENG	[0 to 300 / 140 / 1%]
2-813-035	Leading Edge Corr Coef:2nd	Custom Paper 035	ENG	[0 to 300 / 140 / 1%]
2-813-036	Leading Edge Corr Coef:2nd	Custom Paper 036	ENG	[0 to 300 / 140 / 1%]
2-813-037	Leading Edge Corr Coef:2nd	Custom Paper 037	ENG	[0 to 300 / 140 / 1%]
2-813-038	Leading Edge Corr Coef:2nd	Custom Paper 038	ENG	[0 to 300 / 140 / 1%]
2-813-039	Leading Edge Corr Coef:2nd	Custom Paper 039	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-040	Leading Edge Corr Coef:2nd	Custom Paper 040	ENG	[0 to 300 / 140 / 1%]
2-813-041	Leading Edge Corr Coef:2nd	Custom Paper 041	ENG	[0 to 300 / 140 / 1%]
2-813-042	Leading Edge Corr Coef:2nd	Custom Paper 042	ENG	[0 to 300 / 140 / 1%]
2-813-043	Leading Edge Corr Coef:2nd	Custom Paper 043	ENG	[0 to 300 / 140 / 1%]
2-813-044	Leading Edge Corr Coef:2nd	Custom Paper 044	ENG	[0 to 300 / 140 / 1%]
2-813-045	Leading Edge Corr Coef:2nd	Custom Paper 045	ENG	[0 to 300 / 140 / 1%]
2-813-046	Leading Edge Corr Coef:2nd	Custom Paper 046	ENG	[0 to 300 / 140 / 1%]
2-813-047	Leading Edge Corr Coef:2nd	Custom Paper 047	ENG	[0 to 300 / 140 / 1%]
2-813-048	Leading Edge Corr Coef:2nd	Custom Paper 048	ENG	[0 to 300 / 140 / 1%]
2-813-049	Leading Edge Corr Coef:2nd	Custom Paper 049	ENG	[0 to 300 / 140 / 1%]
2-813-050	Leading Edge Corr Coef:2nd	Custom Paper 050	ENG	[0 to 300 / 140 / 1%]
2-813-051	Leading Edge Corr Coef:2nd	Custom Paper 051	ENG	[0 to 300 / 140 / 1%]
2-813-052	Leading Edge Corr Coef:2nd	Custom Paper 052	ENG	[0 to 300 / 140 / 1%]
2-813-053	Leading Edge Corr Coef:2nd	Custom Paper 053	ENG	[0 to 300 / 140 / 1%]
2-813-054	Leading Edge Corr Coef:2nd	Custom Paper 054	ENG	[0 to 300 / 140 / 1%]
2-813-055	Leading Edge Corr Coef:2nd	Custom Paper 055	ENG	[0 to 300 / 140 / 1%]
2-813-056	Leading Edge Corr Coef:2nd	Custom Paper 056	ENG	[0 to 300 / 140 / 1%]
2-813-057	Leading Edge Corr Coef:2nd	Custom Paper 057	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-058	Leading Edge Corr Coef:2nd	Custom Paper 058	ENG	[0 to 300 / 140 / 1%]
2-813-059	Leading Edge Corr Coef:2nd	Custom Paper 059	ENG	[0 to 300 / 140 / 1%]
2-813-060	Leading Edge Corr Coef:2nd	Custom Paper 060	ENG	[0 to 300 / 140 / 1%]
2-813-061	Leading Edge Corr Coef:2nd	Custom Paper 061	ENG	[0 to 300 / 140 / 1%]
2-813-062	Leading Edge Corr Coef:2nd	Custom Paper 062	ENG	[0 to 300 / 140 / 1%]
2-813-063	Leading Edge Corr Coef:2nd	Custom Paper 063	ENG	[0 to 300 / 140 / 1%]
2-813-064	Leading Edge Corr Coef:2nd	Custom Paper 064	ENG	[0 to 300 / 140 / 1%]
2-813-065	Leading Edge Corr Coef:2nd	Custom Paper 065	ENG	[0 to 300 / 140 / 1%]
2-813-066	Leading Edge Corr Coef:2nd	Custom Paper 066	ENG	[0 to 300 / 140 / 1%]
2-813-067	Leading Edge Corr Coef:2nd	Custom Paper 067	ENG	[0 to 300 / 140 / 1%]
2-813-068	Leading Edge Corr Coef:2nd	Custom Paper 068	ENG	[0 to 300 / 140 / 1%]
2-813-069	Leading Edge Corr Coef:2nd	Custom Paper 069	ENG	[0 to 300 / 140 / 1%]
2-813-070	Leading Edge Corr Coef:2nd	Custom Paper 070	ENG	[0 to 300 / 140 / 1%]
2-813-071	Leading Edge Corr Coef:2nd	Custom Paper 071	ENG	[0 to 300 / 140 / 1%]
2-813-072	Leading Edge Corr Coef:2nd	Custom Paper 072	ENG	[0 to 300 / 140 / 1%]
2-813-073	Leading Edge Corr Coef:2nd	Custom Paper 073	ENG	[0 to 300 / 140 / 1%]
2-813-074	Leading Edge Corr Coef:2nd	Custom Paper 074	ENG	[0 to 300 / 140 / 1%]
2-813-075	Leading Edge Corr Coef:2nd	Custom Paper 075	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-076	Leading Edge Corr Coef:2nd	Custom Paper 076	ENG	[0 to 300 / 140 / 1%]
2-813-077	Leading Edge Corr Coef:2nd	Custom Paper 077	ENG	[0 to 300 / 140 / 1%]
2-813-078	Leading Edge Corr Coef:2nd	Custom Paper 078	ENG	[0 to 300 / 140 / 1%]
2-813-079	Leading Edge Corr Coef:2nd	Custom Paper 079	ENG	[0 to 300 / 140 / 1%]
2-813-080	Leading Edge Corr Coef:2nd	Custom Paper 080	ENG	[0 to 300 / 140 / 1%]
2-813-081	Leading Edge Corr Coef:2nd	Custom Paper 081	ENG	[0 to 300 / 140 / 1%]
2-813-082	Leading Edge Corr Coef:2nd	Custom Paper 082	ENG	[0 to 300 / 140 / 1%]
2-813-083	Leading Edge Corr Coef:2nd	Custom Paper 083	ENG	[0 to 300 / 140 / 1%]
2-813-084	Leading Edge Corr Coef:2nd	Custom Paper 084	ENG	[0 to 300 / 140 / 1%]
2-813-085	Leading Edge Corr Coef:2nd	Custom Paper 085	ENG	[0 to 300 / 140 / 1%]
2-813-086	Leading Edge Corr Coef:2nd	Custom Paper 086	ENG	[0 to 300 / 140 / 1%]
2-813-087	Leading Edge Corr Coef:2nd	Custom Paper 087	ENG	[0 to 300 / 140 / 1%]
2-813-088	Leading Edge Corr Coef:2nd	Custom Paper 088	ENG	[0 to 300 / 140 / 1%]
2-813-089	Leading Edge Corr Coef:2nd	Custom Paper 089	ENG	[0 to 300 / 140 / 1%]
2-813-090	Leading Edge Corr Coef:2nd	Custom Paper 090	ENG	[0 to 300 / 140 / 1%]
2-813-091	Leading Edge Corr Coef:2nd	Custom Paper 091	ENG	[0 to 300 / 140 / 1%]
2-813-092	Leading Edge Corr Coef:2nd	Custom Paper 092	ENG	[0 to 300 / 140 / 1%]
2-813-093	Leading Edge Corr Coef:2nd	Custom Paper 093	ENG	[0 to 300 / 140 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-813-094	Leading Edge Corr Coef:2nd	Custom Paper 094	ENG	[0 to 300 / 140 / 1%]
2-813-095	Leading Edge Corr Coef:2nd	Custom Paper 095	ENG	[0 to 300 / 140 / 1%]
2-813-096	Leading Edge Corr Coef:2nd	Custom Paper 096	ENG	[0 to 300 / 140 / 1%]
2-813-097	Leading Edge Corr Coef:2nd	Custom Paper 097	ENG	[0 to 300 / 140 / 1%]
2-813-098	Leading Edge Corr Coef:2nd	Custom Paper 098	ENG	[0 to 300 / 140 / 1%]
2-813-099	Leading Edge Corr Coef:2nd	Custom Paper 099	ENG	[0 to 300 / 140 / 1%]
2-813-100	Leading Edge Corr Coef:2nd	Custom Paper 100	ENG	[0 to 300 / 140 / 1%]
2-814-001	Leading Edge Corr Switch:2nd	Custom Paper 001	ENG	[0 to 30 / 2 / 1mm]
2-814-002	Leading Edge Corr Switch:2nd	Custom Paper 002	ENG	[0 to 30 / 2 / 1mm]
2-814-003	Leading Edge Corr Switch:2nd	Custom Paper 003	ENG	[0 to 30 / 2 / 1mm]
2-814-004	Leading Edge Corr Switch:2nd	Custom Paper 004	ENG	[0 to 30 / 2 / 1mm]
2-814-005	Leading Edge Corr Switch:2nd	Custom Paper 005	ENG	[0 to 30 / 2 / 1mm]
2-814-006	Leading Edge Corr Switch:2nd	Custom Paper 006	ENG	[0 to 30 / 2 / 1mm]
2-814-007	Leading Edge Corr Switch:2nd	Custom Paper 007	ENG	[0 to 30 / 2 / 1mm]
2-814-008	Leading Edge Corr Switch:2nd	Custom Paper 008	ENG	[0 to 30 / 2 / 1mm]
2-814-009	Leading Edge Corr Switch:2nd	Custom Paper 009	ENG	[0 to 30 / 2 / 1mm]
2-814-010	Leading Edge Corr Switch:2nd	Custom Paper 010	ENG	[0 to 30 / 2 / 1mm]
2-814-011	Leading Edge Corr Switch:2nd	Custom Paper 011	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-814-012	Leading Edge Corr Switch:2nd	Custom Paper 012	ENG	[0 to 30 / 2 / 1mm]
2-814-013	Leading Edge Corr Switch:2nd	Custom Paper 013	ENG	[0 to 30 / 2 / 1mm]
2-814-014	Leading Edge Corr Switch:2nd	Custom Paper 014	ENG	[0 to 30 / 2 / 1mm]
2-814-015	Leading Edge Corr Switch:2nd	Custom Paper 015	ENG	[0 to 30 / 2 / 1mm]
2-814-016	Leading Edge Corr Switch:2nd	Custom Paper 016	ENG	[0 to 30 / 2 / 1mm]
2-814-017	Leading Edge Corr Switch:2nd	Custom Paper 017	ENG	[0 to 30 / 2 / 1mm]
2-814-018	Leading Edge Corr Switch:2nd	Custom Paper 018	ENG	[0 to 30 / 2 / 1mm]
2-814-019	Leading Edge Corr Switch:2nd	Custom Paper 019	ENG	[0 to 30 / 2 / 1mm]
2-814-020	Leading Edge Corr Switch:2nd	Custom Paper 020	ENG	[0 to 30 / 2 / 1mm]
2-814-021	Leading Edge Corr Switch:2nd	Custom Paper 021	ENG	[0 to 30 / 2 / 1mm]
2-814-022	Leading Edge Corr Switch:2nd	Custom Paper 022	ENG	[0 to 30 / 2 / 1mm]
2-814-023	Leading Edge Corr Switch:2nd	Custom Paper 023	ENG	[0 to 30 / 2 / 1mm]
2-814-024	Leading Edge Corr Switch:2nd	Custom Paper 024	ENG	[0 to 30 / 2 / 1mm]
2-814-025	Leading Edge Corr Switch:2nd	Custom Paper 025	ENG	[0 to 30 / 2 / 1mm]
2-814-026	Leading Edge Corr Switch:2nd	Custom Paper 026	ENG	[0 to 30 / 2 / 1mm]
2-814-027	Leading Edge Corr Switch:2nd	Custom Paper 027	ENG	[0 to 30 / 2 / 1mm]
2-814-028	Leading Edge Corr Switch:2nd	Custom Paper 028	ENG	[0 to 30 / 2 / 1mm]
2-814-029	Leading Edge Corr Switch:2nd	Custom Paper 029	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-814-030	Leading Edge Corr Switch:2nd	Custom Paper 030	ENG	[0 to 30 / 2 / 1mm]
2-814-031	Leading Edge Corr Switch:2nd	Custom Paper 031	ENG	[0 to 30 / 2 / 1mm]
2-814-032	Leading Edge Corr Switch:2nd	Custom Paper 032	ENG	[0 to 30 / 2 / 1mm]
2-814-033	Leading Edge Corr Switch:2nd	Custom Paper 033	ENG	[0 to 30 / 2 / 1mm]
2-814-034	Leading Edge Corr Switch:2nd	Custom Paper 034	ENG	[0 to 30 / 2 / 1mm]
2-814-035	Leading Edge Corr Switch:2nd	Custom Paper 035	ENG	[0 to 30 / 2 / 1mm]
2-814-036	Leading Edge Corr Switch:2nd	Custom Paper 036	ENG	[0 to 30 / 2 / 1mm]
2-814-037	Leading Edge Corr Switch:2nd	Custom Paper 037	ENG	[0 to 30 / 2 / 1mm]
2-814-038	Leading Edge Corr Switch:2nd	Custom Paper 038	ENG	[0 to 30 / 2 / 1mm]
2-814-039	Leading Edge Corr Switch:2nd	Custom Paper 039	ENG	[0 to 30 / 2 / 1mm]
2-814-040	Leading Edge Corr Switch:2nd	Custom Paper 040	ENG	[0 to 30 / 2 / 1mm]
2-814-041	Leading Edge Corr Switch:2nd	Custom Paper 041	ENG	[0 to 30 / 2 / 1mm]
2-814-042	Leading Edge Corr Switch:2nd	Custom Paper 042	ENG	[0 to 30 / 2 / 1mm]
2-814-043	Leading Edge Corr Switch:2nd	Custom Paper 043	ENG	[0 to 30 / 2 / 1mm]
2-814-044	Leading Edge Corr Switch:2nd	Custom Paper 044	ENG	[0 to 30 / 2 / 1mm]
2-814-045	Leading Edge Corr Switch:2nd	Custom Paper 045	ENG	[0 to 30 / 2 / 1mm]
2-814-046	Leading Edge Corr Switch:2nd	Custom Paper 046	ENG	[0 to 30 / 2 / 1mm]
2-814-047	Leading Edge Corr Switch:2nd	Custom Paper 047	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-814-048	Leading Edge Corr Switch:2nd	Custom Paper 048	ENG	[0 to 30 / 2 / 1mm]
2-814-049	Leading Edge Corr Switch:2nd	Custom Paper 049	ENG	[0 to 30 / 2 / 1mm]
2-814-050	Leading Edge Corr Switch:2nd	Custom Paper 050	ENG	[0 to 30 / 2 / 1mm]
2-814-051	Leading Edge Corr Switch:2nd	Custom Paper 051	ENG	[0 to 30 / 2 / 1mm]
2-814-052	Leading Edge Corr Switch:2nd	Custom Paper 052	ENG	[0 to 30 / 2 / 1mm]
2-814-053	Leading Edge Corr Switch:2nd	Custom Paper 053	ENG	[0 to 30 / 2 / 1mm]
2-814-054	Leading Edge Corr Switch:2nd	Custom Paper 054	ENG	[0 to 30 / 2 / 1mm]
2-814-055	Leading Edge Corr Switch:2nd	Custom Paper 055	ENG	[0 to 30 / 2 / 1mm]
2-814-056	Leading Edge Corr Switch:2nd	Custom Paper 056	ENG	[0 to 30 / 2 / 1mm]
2-814-057	Leading Edge Corr Switch:2nd	Custom Paper 057	ENG	[0 to 30 / 2 / 1mm]
2-814-058	Leading Edge Corr Switch:2nd	Custom Paper 058	ENG	[0 to 30 / 2 / 1mm]
2-814-059	Leading Edge Corr Switch:2nd	Custom Paper 059	ENG	[0 to 30 / 2 / 1mm]
2-814-060	Leading Edge Corr Switch:2nd	Custom Paper 060	ENG	[0 to 30 / 2 / 1mm]
2-814-061	Leading Edge Corr Switch:2nd	Custom Paper 061	ENG	[0 to 30 / 2 / 1mm]
2-814-062	Leading Edge Corr Switch:2nd	Custom Paper 062	ENG	[0 to 30 / 2 / 1mm]
2-814-063	Leading Edge Corr Switch:2nd	Custom Paper 063	ENG	[0 to 30 / 2 / 1mm]
2-814-064	Leading Edge Corr Switch:2nd	Custom Paper 064	ENG	[0 to 30 / 2 / 1mm]
2-814-065	Leading Edge Corr Switch:2nd	Custom Paper 065	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-814-066	Leading Edge Corr Switch:2nd	Custom Paper 066	ENG	[0 to 30 / 2 / 1mm]
2-814-067	Leading Edge Corr Switch:2nd	Custom Paper 067	ENG	[0 to 30 / 2 / 1mm]
2-814-068	Leading Edge Corr Switch:2nd	Custom Paper 068	ENG	[0 to 30 / 2 / 1mm]
2-814-069	Leading Edge Corr Switch:2nd	Custom Paper 069	ENG	[0 to 30 / 2 / 1mm]
2-814-070	Leading Edge Corr Switch:2nd	Custom Paper 070	ENG	[0 to 30 / 2 / 1mm]
2-814-071	Leading Edge Corr Switch:2nd	Custom Paper 071	ENG	[0 to 30 / 2 / 1mm]
2-814-072	Leading Edge Corr Switch:2nd	Custom Paper 072	ENG	[0 to 30 / 2 / 1mm]
2-814-073	Leading Edge Corr Switch:2nd	Custom Paper 073	ENG	[0 to 30 / 2 / 1mm]
2-814-074	Leading Edge Corr Switch:2nd	Custom Paper 074	ENG	[0 to 30 / 2 / 1mm]
2-814-075	Leading Edge Corr Switch:2nd	Custom Paper 075	ENG	[0 to 30 / 2 / 1mm]
2-814-076	Leading Edge Corr Switch:2nd	Custom Paper 076	ENG	[0 to 30 / 2 / 1mm]
2-814-077	Leading Edge Corr Switch:2nd	Custom Paper 077	ENG	[0 to 30 / 2 / 1mm]
2-814-078	Leading Edge Corr Switch:2nd	Custom Paper 078	ENG	[0 to 30 / 2 / 1mm]
2-814-079	Leading Edge Corr Switch:2nd	Custom Paper 079	ENG	[0 to 30 / 2 / 1mm]
2-814-080	Leading Edge Corr Switch:2nd	Custom Paper 080	ENG	[0 to 30 / 2 / 1mm]
2-814-081	Leading Edge Corr Switch:2nd	Custom Paper 081	ENG	[0 to 30 / 2 / 1mm]
2-814-082	Leading Edge Corr Switch:2nd	Custom Paper 082	ENG	[0 to 30 / 2 / 1mm]
2-814-083	Leading Edge Corr Switch:2nd	Custom Paper 083	ENG	[0 to 30 / 2 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-814-084	Leading Edge Corr Switch:2nd	Custom Paper 084	ENG	[0 to 30 / 2 / 1mm]
2-814-085	Leading Edge Corr Switch:2nd	Custom Paper 085	ENG	[0 to 30 / 2 / 1mm]
2-814-086	Leading Edge Corr Switch:2nd	Custom Paper 086	ENG	[0 to 30 / 2 / 1mm]
2-814-087	Leading Edge Corr Switch:2nd	Custom Paper 087	ENG	[0 to 30 / 2 / 1mm]
2-814-088	Leading Edge Corr Switch:2nd	Custom Paper 088	ENG	[0 to 30 / 2 / 1mm]
2-814-089	Leading Edge Corr Switch:2nd	Custom Paper 089	ENG	[0 to 30 / 2 / 1mm]
2-814-090	Leading Edge Corr Switch:2nd	Custom Paper 090	ENG	[0 to 30 / 2 / 1mm]
2-814-091	Leading Edge Corr Switch:2nd	Custom Paper 091	ENG	[0 to 30 / 2 / 1mm]
2-814-092	Leading Edge Corr Switch:2nd	Custom Paper 092	ENG	[0 to 30 / 2 / 1mm]
2-814-093	Leading Edge Corr Switch:2nd	Custom Paper 093	ENG	[0 to 30 / 2 / 1mm]
2-814-094	Leading Edge Corr Switch:2nd	Custom Paper 094	ENG	[0 to 30 / 2 / 1mm]
2-814-095	Leading Edge Corr Switch:2nd	Custom Paper 095	ENG	[0 to 30 / 2 / 1mm]
2-814-096	Leading Edge Corr Switch:2nd	Custom Paper 096	ENG	[0 to 30 / 2 / 1mm]
2-814-097	Leading Edge Corr Switch:2nd	Custom Paper 097	ENG	[0 to 30 / 2 / 1mm]
2-814-098	Leading Edge Corr Switch:2nd	Custom Paper 098	ENG	[0 to 30 / 2 / 1mm]
2-814-099	Leading Edge Corr Switch:2nd	Custom Paper 099	ENG	[0 to 30 / 2 / 1mm]
2-814-100	Leading Edge Corr Switch:2nd	Custom Paper 100	ENG	[0 to 30 / 2 / 1mm]
2-815-001	Trail Edge Corr Coef:2nd	Custom Paper 001	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-002	Trail Edge Corr Coef:2nd	Custom Paper 002	ENG	[0 to 300 / 100 / 1%]
2-815-003	Trail Edge Corr Coef:2nd	Custom Paper 003	ENG	[0 to 300 / 100 / 1%]
2-815-004	Trail Edge Corr Coef:2nd	Custom Paper 004	ENG	[0 to 300 / 100 / 1%]
2-815-005	Trail Edge Corr Coef:2nd	Custom Paper 005	ENG	[0 to 300 / 100 / 1%]
2-815-006	Trail Edge Corr Coef:2nd	Custom Paper 006	ENG	[0 to 300 / 100 / 1%]
2-815-007	Trail Edge Corr Coef:2nd	Custom Paper 007	ENG	[0 to 300 / 100 / 1%]
2-815-008	Trail Edge Corr Coef:2nd	Custom Paper 008	ENG	[0 to 300 / 100 / 1%]
2-815-009	Trail Edge Corr Coef:2nd	Custom Paper 009	ENG	[0 to 300 / 100 / 1%]
2-815-010	Trail Edge Corr Coef:2nd	Custom Paper 010	ENG	[0 to 300 / 100 / 1%]
2-815-011	Trail Edge Corr Coef:2nd	Custom Paper 011	ENG	[0 to 300 / 100 / 1%]
2-815-012	Trail Edge Corr Coef:2nd	Custom Paper 012	ENG	[0 to 300 / 100 / 1%]
2-815-013	Trail Edge Corr Coef:2nd	Custom Paper 013	ENG	[0 to 300 / 100 / 1%]
2-815-014	Trail Edge Corr Coef:2nd	Custom Paper 014	ENG	[0 to 300 / 100 / 1%]
2-815-015	Trail Edge Corr Coef:2nd	Custom Paper 015	ENG	[0 to 300 / 100 / 1%]
2-815-016	Trail Edge Corr Coef:2nd	Custom Paper 016	ENG	[0 to 300 / 100 / 1%]
2-815-017	Trail Edge Corr Coef:2nd	Custom Paper 017	ENG	[0 to 300 / 100 / 1%]
2-815-018	Trail Edge Corr Coef:2nd	Custom Paper 018	ENG	[0 to 300 / 100 / 1%]
2-815-019	Trail Edge Corr Coef:2nd	Custom Paper 019	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-020	Trail Edge Corr Coef:2nd	Custom Paper 020	ENG	[0 to 300 / 100 / 1%]
2-815-021	Trail Edge Corr Coef:2nd	Custom Paper 021	ENG	[0 to 300 / 100 / 1%]
2-815-022	Trail Edge Corr Coef:2nd	Custom Paper 022	ENG	[0 to 300 / 100 / 1%]
2-815-023	Trail Edge Corr Coef:2nd	Custom Paper 023	ENG	[0 to 300 / 100 / 1%]
2-815-024	Trail Edge Corr Coef:2nd	Custom Paper 024	ENG	[0 to 300 / 100 / 1%]
2-815-025	Trail Edge Corr Coef:2nd	Custom Paper 025	ENG	[0 to 300 / 100 / 1%]
2-815-026	Trail Edge Corr Coef:2nd	Custom Paper 026	ENG	[0 to 300 / 100 / 1%]
2-815-027	Trail Edge Corr Coef:2nd	Custom Paper 027	ENG	[0 to 300 / 100 / 1%]
2-815-028	Trail Edge Corr Coef:2nd	Custom Paper 028	ENG	[0 to 300 / 100 / 1%]
2-815-029	Trail Edge Corr Coef:2nd	Custom Paper 029	ENG	[0 to 300 / 100 / 1%]
2-815-030	Trail Edge Corr Coef:2nd	Custom Paper 030	ENG	[0 to 300 / 100 / 1%]
2-815-031	Trail Edge Corr Coef:2nd	Custom Paper 031	ENG	[0 to 300 / 100 / 1%]
2-815-032	Trail Edge Corr Coef:2nd	Custom Paper 032	ENG	[0 to 300 / 100 / 1%]
2-815-033	Trail Edge Corr Coef:2nd	Custom Paper 033	ENG	[0 to 300 / 100 / 1%]
2-815-034	Trail Edge Corr Coef:2nd	Custom Paper 034	ENG	[0 to 300 / 100 / 1%]
2-815-035	Trail Edge Corr Coef:2nd	Custom Paper 035	ENG	[0 to 300 / 100 / 1%]
2-815-036	Trail Edge Corr Coef:2nd	Custom Paper 036	ENG	[0 to 300 / 100 / 1%]
2-815-037	Trail Edge Corr Coef:2nd	Custom Paper 037	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-038	Trail Edge Corr Coef:2nd	Custom Paper 038	ENG	[0 to 300 / 100 / 1%]
2-815-039	Trail Edge Corr Coef:2nd	Custom Paper 039	ENG	[0 to 300 / 100 / 1%]
2-815-040	Trail Edge Corr Coef:2nd	Custom Paper 040	ENG	[0 to 300 / 100 / 1%]
2-815-041	Trail Edge Corr Coef:2nd	Custom Paper 041	ENG	[0 to 300 / 100 / 1%]
2-815-042	Trail Edge Corr Coef:2nd	Custom Paper 042	ENG	[0 to 300 / 100 / 1%]
2-815-043	Trail Edge Corr Coef:2nd	Custom Paper 043	ENG	[0 to 300 / 100 / 1%]
2-815-044	Trail Edge Corr Coef:2nd	Custom Paper 044	ENG	[0 to 300 / 100 / 1%]
2-815-045	Trail Edge Corr Coef:2nd	Custom Paper 045	ENG	[0 to 300 / 100 / 1%]
2-815-046	Trail Edge Corr Coef:2nd	Custom Paper 046	ENG	[0 to 300 / 100 / 1%]
2-815-047	Trail Edge Corr Coef:2nd	Custom Paper 047	ENG	[0 to 300 / 100 / 1%]
2-815-048	Trail Edge Corr Coef:2nd	Custom Paper 048	ENG	[0 to 300 / 100 / 1%]
2-815-049	Trail Edge Corr Coef:2nd	Custom Paper 049	ENG	[0 to 300 / 100 / 1%]
2-815-050	Trail Edge Corr Coef:2nd	Custom Paper 050	ENG	[0 to 300 / 100 / 1%]
2-815-051	Trail Edge Corr Coef:2nd	Custom Paper 051	ENG	[0 to 300 / 100 / 1%]
2-815-052	Trail Edge Corr Coef:2nd	Custom Paper 052	ENG	[0 to 300 / 100 / 1%]
2-815-053	Trail Edge Corr Coef:2nd	Custom Paper 053	ENG	[0 to 300 / 100 / 1%]
2-815-054	Trail Edge Corr Coef:2nd	Custom Paper 054	ENG	[0 to 300 / 100 / 1%]
2-815-055	Trail Edge Corr Coef:2nd	Custom Paper 055	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-056	Trail Edge Corr Coef:2nd	Custom Paper 056	ENG	[0 to 300 / 100 / 1%]
2-815-057	Trail Edge Corr Coef:2nd	Custom Paper 057	ENG	[0 to 300 / 100 / 1%]
2-815-058	Trail Edge Corr Coef:2nd	Custom Paper 058	ENG	[0 to 300 / 100 / 1%]
2-815-059	Trail Edge Corr Coef:2nd	Custom Paper 059	ENG	[0 to 300 / 100 / 1%]
2-815-060	Trail Edge Corr Coef:2nd	Custom Paper 060	ENG	[0 to 300 / 100 / 1%]
2-815-061	Trail Edge Corr Coef:2nd	Custom Paper 061	ENG	[0 to 300 / 100 / 1%]
2-815-062	Trail Edge Corr Coef:2nd	Custom Paper 062	ENG	[0 to 300 / 100 / 1%]
2-815-063	Trail Edge Corr Coef:2nd	Custom Paper 063	ENG	[0 to 300 / 100 / 1%]
2-815-064	Trail Edge Corr Coef:2nd	Custom Paper 064	ENG	[0 to 300 / 100 / 1%]
2-815-065	Trail Edge Corr Coef:2nd	Custom Paper 065	ENG	[0 to 300 / 100 / 1%]
2-815-066	Trail Edge Corr Coef:2nd	Custom Paper 066	ENG	[0 to 300 / 100 / 1%]
2-815-067	Trail Edge Corr Coef:2nd	Custom Paper 067	ENG	[0 to 300 / 100 / 1%]
2-815-068	Trail Edge Corr Coef:2nd	Custom Paper 068	ENG	[0 to 300 / 100 / 1%]
2-815-069	Trail Edge Corr Coef:2nd	Custom Paper 069	ENG	[0 to 300 / 100 / 1%]
2-815-070	Trail Edge Corr Coef:2nd	Custom Paper 070	ENG	[0 to 300 / 100 / 1%]
2-815-071	Trail Edge Corr Coef:2nd	Custom Paper 071	ENG	[0 to 300 / 100 / 1%]
2-815-072	Trail Edge Corr Coef:2nd	Custom Paper 072	ENG	[0 to 300 / 100 / 1%]
2-815-073	Trail Edge Corr Coef:2nd	Custom Paper 073	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-074	Trail Edge Corr Coef:2nd	Custom Paper 074	ENG	[0 to 300 / 100 / 1%]
2-815-075	Trail Edge Corr Coef:2nd	Custom Paper 075	ENG	[0 to 300 / 100 / 1%]
2-815-076	Trail Edge Corr Coef:2nd	Custom Paper 076	ENG	[0 to 300 / 100 / 1%]
2-815-077	Trail Edge Corr Coef:2nd	Custom Paper 077	ENG	[0 to 300 / 100 / 1%]
2-815-078	Trail Edge Corr Coef:2nd	Custom Paper 078	ENG	[0 to 300 / 100 / 1%]
2-815-079	Trail Edge Corr Coef:2nd	Custom Paper 079	ENG	[0 to 300 / 100 / 1%]
2-815-080	Trail Edge Corr Coef:2nd	Custom Paper 080	ENG	[0 to 300 / 100 / 1%]
2-815-081	Trail Edge Corr Coef:2nd	Custom Paper 081	ENG	[0 to 300 / 100 / 1%]
2-815-082	Trail Edge Corr Coef:2nd	Custom Paper 082	ENG	[0 to 300 / 100 / 1%]
2-815-083	Trail Edge Corr Coef:2nd	Custom Paper 083	ENG	[0 to 300 / 100 / 1%]
2-815-084	Trail Edge Corr Coef:2nd	Custom Paper 084	ENG	[0 to 300 / 100 / 1%]
2-815-085	Trail Edge Corr Coef:2nd	Custom Paper 085	ENG	[0 to 300 / 100 / 1%]
2-815-086	Trail Edge Corr Coef:2nd	Custom Paper 086	ENG	[0 to 300 / 100 / 1%]
2-815-087	Trail Edge Corr Coef:2nd	Custom Paper 087	ENG	[0 to 300 / 100 / 1%]
2-815-088	Trail Edge Corr Coef:2nd	Custom Paper 088	ENG	[0 to 300 / 100 / 1%]
2-815-089	Trail Edge Corr Coef:2nd	Custom Paper 089	ENG	[0 to 300 / 100 / 1%]
2-815-090	Trail Edge Corr Coef:2nd	Custom Paper 090	ENG	[0 to 300 / 100 / 1%]
2-815-091	Trail Edge Corr Coef:2nd	Custom Paper 091	ENG	[0 to 300 / 100 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-815-092	Trail Edge Corr Coef:2nd	Custom Paper 092	ENG	[0 to 300 / 100 / 1%]
2-815-093	Trail Edge Corr Coef:2nd	Custom Paper 093	ENG	[0 to 300 / 100 / 1%]
2-815-094	Trail Edge Corr Coef:2nd	Custom Paper 094	ENG	[0 to 300 / 100 / 1%]
2-815-095	Trail Edge Corr Coef:2nd	Custom Paper 095	ENG	[0 to 300 / 100 / 1%]
2-815-096	Trail Edge Corr Coef:2nd	Custom Paper 096	ENG	[0 to 300 / 100 / 1%]
2-815-097	Trail Edge Corr Coef:2nd	Custom Paper 097	ENG	[0 to 300 / 100 / 1%]
2-815-098	Trail Edge Corr Coef:2nd	Custom Paper 098	ENG	[0 to 300 / 100 / 1%]
2-815-099	Trail Edge Corr Coef:2nd	Custom Paper 099	ENG	[0 to 300 / 100 / 1%]
2-815-100	Trail Edge Corr Coef:2nd	Custom Paper 100	ENG	[0 to 300 / 100 / 1%]
2-816-001	Trail Edge Corr Switch:2nd	Custom Paper 001	ENG	[0 to 30 / 5 / 1mm]
2-816-002	Trail Edge Corr Switch:2nd	Custom Paper 002	ENG	[0 to 30 / 5 / 1mm]
2-816-003	Trail Edge Corr Switch:2nd	Custom Paper 003	ENG	[0 to 30 / 5 / 1mm]
2-816-004	Trail Edge Corr Switch:2nd	Custom Paper 004	ENG	[0 to 30 / 5 / 1mm]
2-816-005	Trail Edge Corr Switch:2nd	Custom Paper 005	ENG	[0 to 30 / 5 / 1mm]
2-816-006	Trail Edge Corr Switch:2nd	Custom Paper 006	ENG	[0 to 30 / 5 / 1mm]
2-816-007	Trail Edge Corr Switch:2nd	Custom Paper 007	ENG	[0 to 30 / 5 / 1mm]
2-816-008	Trail Edge Corr Switch:2nd	Custom Paper 008	ENG	[0 to 30 / 5 / 1mm]
2-816-009	Trail Edge Corr Switch:2nd	Custom Paper 009	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-010	Trail Edge Corr Switch:2nd	Custom Paper 010	ENG	[0 to 30 / 5 / 1mm]
2-816-011	Trail Edge Corr Switch:2nd	Custom Paper 011	ENG	[0 to 30 / 5 / 1mm]
2-816-012	Trail Edge Corr Switch:2nd	Custom Paper 012	ENG	[0 to 30 / 5 / 1mm]
2-816-013	Trail Edge Corr Switch:2nd	Custom Paper 013	ENG	[0 to 30 / 5 / 1mm]
2-816-014	Trail Edge Corr Switch:2nd	Custom Paper 014	ENG	[0 to 30 / 5 / 1mm]
2-816-015	Trail Edge Corr Switch:2nd	Custom Paper 015	ENG	[0 to 30 / 5 / 1mm]
2-816-016	Trail Edge Corr Switch:2nd	Custom Paper 016	ENG	[0 to 30 / 5 / 1mm]
2-816-017	Trail Edge Corr Switch:2nd	Custom Paper 017	ENG	[0 to 30 / 5 / 1mm]
2-816-018	Trail Edge Corr Switch:2nd	Custom Paper 018	ENG	[0 to 30 / 5 / 1mm]
2-816-019	Trail Edge Corr Switch:2nd	Custom Paper 019	ENG	[0 to 30 / 5 / 1mm]
2-816-020	Trail Edge Corr Switch:2nd	Custom Paper 020	ENG	[0 to 30 / 5 / 1mm]
2-816-021	Trail Edge Corr Switch:2nd	Custom Paper 021	ENG	[0 to 30 / 5 / 1mm]
2-816-022	Trail Edge Corr Switch:2nd	Custom Paper 022	ENG	[0 to 30 / 5 / 1mm]
2-816-023	Trail Edge Corr Switch:2nd	Custom Paper 023	ENG	[0 to 30 / 5 / 1mm]
2-816-024	Trail Edge Corr Switch:2nd	Custom Paper 024	ENG	[0 to 30 / 5 / 1mm]
2-816-025	Trail Edge Corr Switch:2nd	Custom Paper 025	ENG	[0 to 30 / 5 / 1mm]
2-816-026	Trail Edge Corr Switch:2nd	Custom Paper 026	ENG	[0 to 30 / 5 / 1mm]
2-816-027	Trail Edge Corr Switch:2nd	Custom Paper 027	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-028	Trail Edge Corr Switch:2nd	Custom Paper 028	ENG	[0 to 30 / 5 / 1mm]
2-816-029	Trail Edge Corr Switch:2nd	Custom Paper 029	ENG	[0 to 30 / 5 / 1mm]
2-816-030	Trail Edge Corr Switch:2nd	Custom Paper 030	ENG	[0 to 30 / 5 / 1mm]
2-816-031	Trail Edge Corr Switch:2nd	Custom Paper 031	ENG	[0 to 30 / 5 / 1mm]
2-816-032	Trail Edge Corr Switch:2nd	Custom Paper 032	ENG	[0 to 30 / 5 / 1mm]
2-816-033	Trail Edge Corr Switch:2nd	Custom Paper 033	ENG	[0 to 30 / 5 / 1mm]
2-816-034	Trail Edge Corr Switch:2nd	Custom Paper 034	ENG	[0 to 30 / 5 / 1mm]
2-816-035	Trail Edge Corr Switch:2nd	Custom Paper 035	ENG	[0 to 30 / 5 / 1mm]
2-816-036	Trail Edge Corr Switch:2nd	Custom Paper 036	ENG	[0 to 30 / 5 / 1mm]
2-816-037	Trail Edge Corr Switch:2nd	Custom Paper 037	ENG	[0 to 30 / 5 / 1mm]
2-816-038	Trail Edge Corr Switch:2nd	Custom Paper 038	ENG	[0 to 30 / 5 / 1mm]
2-816-039	Trail Edge Corr Switch:2nd	Custom Paper 039	ENG	[0 to 30 / 5 / 1mm]
2-816-040	Trail Edge Corr Switch:2nd	Custom Paper 040	ENG	[0 to 30 / 5 / 1mm]
2-816-041	Trail Edge Corr Switch:2nd	Custom Paper 041	ENG	[0 to 30 / 5 / 1mm]
2-816-042	Trail Edge Corr Switch:2nd	Custom Paper 042	ENG	[0 to 30 / 5 / 1mm]
2-816-043	Trail Edge Corr Switch:2nd	Custom Paper 043	ENG	[0 to 30 / 5 / 1mm]
2-816-044	Trail Edge Corr Switch:2nd	Custom Paper 044	ENG	[0 to 30 / 5 / 1mm]
2-816-045	Trail Edge Corr Switch:2nd	Custom Paper 045	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-046	Trail Edge Corr Switch:2nd	Custom Paper 046	ENG	[0 to 30 / 5 / 1mm]
2-816-047	Trail Edge Corr Switch:2nd	Custom Paper 047	ENG	[0 to 30 / 5 / 1mm]
2-816-048	Trail Edge Corr Switch:2nd	Custom Paper 048	ENG	[0 to 30 / 5 / 1mm]
2-816-049	Trail Edge Corr Switch:2nd	Custom Paper 049	ENG	[0 to 30 / 5 / 1mm]
2-816-050	Trail Edge Corr Switch:2nd	Custom Paper 050	ENG	[0 to 30 / 5 / 1mm]
2-816-051	Trail Edge Corr Switch:2nd	Custom Paper 051	ENG	[0 to 30 / 5 / 1mm]
2-816-052	Trail Edge Corr Switch:2nd	Custom Paper 052	ENG	[0 to 30 / 5 / 1mm]
2-816-053	Trail Edge Corr Switch:2nd	Custom Paper 053	ENG	[0 to 30 / 5 / 1mm]
2-816-054	Trail Edge Corr Switch:2nd	Custom Paper 054	ENG	[0 to 30 / 5 / 1mm]
2-816-055	Trail Edge Corr Switch:2nd	Custom Paper 055	ENG	[0 to 30 / 5 / 1mm]
2-816-056	Trail Edge Corr Switch:2nd	Custom Paper 056	ENG	[0 to 30 / 5 / 1mm]
2-816-057	Trail Edge Corr Switch:2nd	Custom Paper 057	ENG	[0 to 30 / 5 / 1mm]
2-816-058	Trail Edge Corr Switch:2nd	Custom Paper 058	ENG	[0 to 30 / 5 / 1mm]
2-816-059	Trail Edge Corr Switch:2nd	Custom Paper 059	ENG	[0 to 30 / 5 / 1mm]
2-816-060	Trail Edge Corr Switch:2nd	Custom Paper 060	ENG	[0 to 30 / 5 / 1mm]
2-816-061	Trail Edge Corr Switch:2nd	Custom Paper 061	ENG	[0 to 30 / 5 / 1mm]
2-816-062	Trail Edge Corr Switch:2nd	Custom Paper 062	ENG	[0 to 30 / 5 / 1mm]
2-816-063	Trail Edge Corr Switch:2nd	Custom Paper 063	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-064	Trail Edge Corr Switch:2nd	Custom Paper 064	ENG	[0 to 30 / 5 / 1mm]
2-816-065	Trail Edge Corr Switch:2nd	Custom Paper 065	ENG	[0 to 30 / 5 / 1mm]
2-816-066	Trail Edge Corr Switch:2nd	Custom Paper 066	ENG	[0 to 30 / 5 / 1mm]
2-816-067	Trail Edge Corr Switch:2nd	Custom Paper 067	ENG	[0 to 30 / 5 / 1mm]
2-816-068	Trail Edge Corr Switch:2nd	Custom Paper 068	ENG	[0 to 30 / 5 / 1mm]
2-816-069	Trail Edge Corr Switch:2nd	Custom Paper 069	ENG	[0 to 30 / 5 / 1mm]
2-816-070	Trail Edge Corr Switch:2nd	Custom Paper 070	ENG	[0 to 30 / 5 / 1mm]
2-816-071	Trail Edge Corr Switch:2nd	Custom Paper 071	ENG	[0 to 30 / 5 / 1mm]
2-816-072	Trail Edge Corr Switch:2nd	Custom Paper 072	ENG	[0 to 30 / 5 / 1mm]
2-816-073	Trail Edge Corr Switch:2nd	Custom Paper 073	ENG	[0 to 30 / 5 / 1mm]
2-816-074	Trail Edge Corr Switch:2nd	Custom Paper 074	ENG	[0 to 30 / 5 / 1mm]
2-816-075	Trail Edge Corr Switch:2nd	Custom Paper 075	ENG	[0 to 30 / 5 / 1mm]
2-816-076	Trail Edge Corr Switch:2nd	Custom Paper 076	ENG	[0 to 30 / 5 / 1mm]
2-816-077	Trail Edge Corr Switch:2nd	Custom Paper 077	ENG	[0 to 30 / 5 / 1mm]
2-816-078	Trail Edge Corr Switch:2nd	Custom Paper 078	ENG	[0 to 30 / 5 / 1mm]
2-816-079	Trail Edge Corr Switch:2nd	Custom Paper 079	ENG	[0 to 30 / 5 / 1mm]
2-816-080	Trail Edge Corr Switch:2nd	Custom Paper 080	ENG	[0 to 30 / 5 / 1mm]
2-816-081	Trail Edge Corr Switch:2nd	Custom Paper 081	ENG	[0 to 30 / 5 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-082	Trail Edge Corr Switch:2nd	Custom Paper 082	ENG	[0 to 30 / 5 / 1mm]
2-816-083	Trail Edge Corr Switch:2nd	Custom Paper 083	ENG	[0 to 30 / 5 / 1mm]
2-816-084	Trail Edge Corr Switch:2nd	Custom Paper 084	ENG	[0 to 30 / 5 / 1mm]
2-816-085	Trail Edge Corr Switch:2nd	Custom Paper 085	ENG	[0 to 30 / 5 / 1mm]
2-816-086	Trail Edge Corr Switch:2nd	Custom Paper 086	ENG	[0 to 30 / 5 / 1mm]
2-816-087	Trail Edge Corr Switch:2nd	Custom Paper 087	ENG	[0 to 30 / 5 / 1mm]
2-816-088	Trail Edge Corr Switch:2nd	Custom Paper 088	ENG	[0 to 30 / 5 / 1mm]
2-816-089	Trail Edge Corr Switch:2nd	Custom Paper 089	ENG	[0 to 30 / 5 / 1mm]
2-816-090	Trail Edge Corr Switch:2nd	Custom Paper 090	ENG	[0 to 30 / 5 / 1mm]
2-816-091	Trail Edge Corr Switch:2nd	Custom Paper 091	ENG	[0 to 30 / 5 / 1mm]
2-816-092	Trail Edge Corr Switch:2nd	Custom Paper 092	ENG	[0 to 30 / 5 / 1mm]
2-816-093	Trail Edge Corr Switch:2nd	Custom Paper 093	ENG	[0 to 30 / 5 / 1mm]
2-816-094	Trail Edge Corr Switch:2nd	Custom Paper 094	ENG	[0 to 30 / 5 / 1mm]
2-816-095	Trail Edge Corr Switch:2nd	Custom Paper 095	ENG	[0 to 30 / 5 / 1mm]
2-816-096	Trail Edge Corr Switch:2nd	Custom Paper 096	ENG	[0 to 30 / 5 / 1mm]
2-816-097	Trail Edge Corr Switch:2nd	Custom Paper 097	ENG	[0 to 30 / 5 / 1mm]
2-816-098	Trail Edge Corr Switch:2nd	Custom Paper 098	ENG	[0 to 30 / 5 / 1mm]
2-816-099	Trail Edge Corr Switch:2nd	Custom Paper 099	ENG	[0 to 30 / 5 / 1mm]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-816-100	Trail Edge Corr Switch:2nd	Custom Paper 100	ENG	[0 to 30 / 5 / 1mm]
2-817-001	ITB Voltage	Custom Paper 001	ENG	[0 to 150 / 80 / 1uA]
2-817-002	ITB Voltage	Custom Paper 002	ENG	[0 to 150 / 80 / 1uA]
2-817-003	ITB Voltage	Custom Paper 003	ENG	[0 to 150 / 80 / 1uA]
2-817-004	ITB Voltage	Custom Paper 004	ENG	[0 to 150 / 80 / 1uA]
2-817-005	ITB Voltage	Custom Paper 005	ENG	[0 to 150 / 80 / 1uA]
2-817-006	ITB Voltage	Custom Paper 006	ENG	[0 to 150 / 80 / 1uA]
2-817-007	ITB Voltage	Custom Paper 007	ENG	[0 to 150 / 80 / 1uA]
2-817-008	ITB Voltage	Custom Paper 008	ENG	[0 to 150 / 80 / 1uA]
2-817-009	ITB Voltage	Custom Paper 009	ENG	[0 to 150 / 80 / 1uA]
2-817-010	ITB Voltage	Custom Paper 010	ENG	[0 to 150 / 80 / 1uA]
2-817-011	ITB Voltage	Custom Paper 011	ENG	[0 to 150 / 80 / 1uA]
2-817-012	ITB Voltage	Custom Paper 012	ENG	[0 to 150 / 80 / 1uA]
2-817-013	ITB Voltage	Custom Paper 013	ENG	[0 to 150 / 80 / 1uA]
2-817-014	ITB Voltage	Custom Paper 014	ENG	[0 to 150 / 80 / 1uA]
2-817-015	ITB Voltage	Custom Paper 015	ENG	[0 to 150 / 80 / 1uA]
2-817-016	ITB Voltage	Custom Paper 016	ENG	[0 to 150 / 80 / 1uA]
2-817-	ITB Voltage	Custom Paper 017	ENG	[0 to 150 / 80 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017				
2-817-018	ITB Voltage	Custom Paper 018	ENG	[0 to 150 / 80 / 1uA]
2-817-019	ITB Voltage	Custom Paper 019	ENG	[0 to 150 / 80 / 1uA]
2-817-020	ITB Voltage	Custom Paper 020	ENG	[0 to 150 / 80 / 1uA]
2-817-021	ITB Voltage	Custom Paper 021	ENG	[0 to 150 / 80 / 1uA]
2-817-022	ITB Voltage	Custom Paper 022	ENG	[0 to 150 / 80 / 1uA]
2-817-023	ITB Voltage	Custom Paper 023	ENG	[0 to 150 / 80 / 1uA]
2-817-024	ITB Voltage	Custom Paper 024	ENG	[0 to 150 / 80 / 1uA]
2-817-025	ITB Voltage	Custom Paper 025	ENG	[0 to 150 / 80 / 1uA]
2-817-026	ITB Voltage	Custom Paper 026	ENG	[0 to 150 / 80 / 1uA]
2-817-027	ITB Voltage	Custom Paper 027	ENG	[0 to 150 / 80 / 1uA]
2-817-028	ITB Voltage	Custom Paper 028	ENG	[0 to 150 / 80 / 1uA]
2-817-029	ITB Voltage	Custom Paper 029	ENG	[0 to 150 / 80 / 1uA]
2-817-030	ITB Voltage	Custom Paper 030	ENG	[0 to 150 / 80 / 1uA]
2-817-031	ITB Voltage	Custom Paper 031	ENG	[0 to 150 / 80 / 1uA]
2-817-032	ITB Voltage	Custom Paper 032	ENG	[0 to 150 / 80 / 1uA]
2-817-033	ITB Voltage	Custom Paper 033	ENG	[0 to 150 / 80 / 1uA]
2-817-034	ITB Voltage	Custom Paper 034	ENG	[0 to 150 / 80 / 1uA]
2-817-	ITB Voltage	Custom Paper 035	ENG	[0 to 150 / 80 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035				
2-817-036	ITB Voltage	Custom Paper 036	ENG	[0 to 150 / 80 / 1uA]
2-817-037	ITB Voltage	Custom Paper 037	ENG	[0 to 150 / 80 / 1uA]
2-817-038	ITB Voltage	Custom Paper 038	ENG	[0 to 150 / 80 / 1uA]
2-817-039	ITB Voltage	Custom Paper 039	ENG	[0 to 150 / 80 / 1uA]
2-817-040	ITB Voltage	Custom Paper 040	ENG	[0 to 150 / 80 / 1uA]
2-817-041	ITB Voltage	Custom Paper 041	ENG	[0 to 150 / 80 / 1uA]
2-817-042	ITB Voltage	Custom Paper 042	ENG	[0 to 150 / 80 / 1uA]
2-817-043	ITB Voltage	Custom Paper 043	ENG	[0 to 150 / 80 / 1uA]
2-817-044	ITB Voltage	Custom Paper 044	ENG	[0 to 150 / 80 / 1uA]
2-817-045	ITB Voltage	Custom Paper 045	ENG	[0 to 150 / 80 / 1uA]
2-817-046	ITB Voltage	Custom Paper 046	ENG	[0 to 150 / 80 / 1uA]
2-817-047	ITB Voltage	Custom Paper 047	ENG	[0 to 150 / 80 / 1uA]
2-817-048	ITB Voltage	Custom Paper 048	ENG	[0 to 150 / 80 / 1uA]
2-817-049	ITB Voltage	Custom Paper 049	ENG	[0 to 150 / 80 / 1uA]
2-817-050	ITB Voltage	Custom Paper 050	ENG	[0 to 150 / 80 / 1uA]
2-817-051	ITB Voltage	Custom Paper 051	ENG	[0 to 150 / 80 / 1uA]
2-817-052	ITB Voltage	Custom Paper 052	ENG	[0 to 150 / 80 / 1uA]
2-817-	ITB Voltage	Custom Paper 053	ENG	[0 to 150 / 80 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053				
2-817-054	ITB Voltage	Custom Paper 054	ENG	[0 to 150 / 80 / 1uA]
2-817-055	ITB Voltage	Custom Paper 055	ENG	[0 to 150 / 80 / 1uA]
2-817-056	ITB Voltage	Custom Paper 056	ENG	[0 to 150 / 80 / 1uA]
2-817-057	ITB Voltage	Custom Paper 057	ENG	[0 to 150 / 80 / 1uA]
2-817-058	ITB Voltage	Custom Paper 058	ENG	[0 to 150 / 80 / 1uA]
2-817-059	ITB Voltage	Custom Paper 059	ENG	[0 to 150 / 80 / 1uA]
2-817-060	ITB Voltage	Custom Paper 060	ENG	[0 to 150 / 80 / 1uA]
2-817-061	ITB Voltage	Custom Paper 061	ENG	[0 to 150 / 80 / 1uA]
2-817-062	ITB Voltage	Custom Paper 062	ENG	[0 to 150 / 80 / 1uA]
2-817-063	ITB Voltage	Custom Paper 063	ENG	[0 to 150 / 80 / 1uA]
2-817-064	ITB Voltage	Custom Paper 064	ENG	[0 to 150 / 80 / 1uA]
2-817-065	ITB Voltage	Custom Paper 065	ENG	[0 to 150 / 80 / 1uA]
2-817-066	ITB Voltage	Custom Paper 066	ENG	[0 to 150 / 80 / 1uA]
2-817-067	ITB Voltage	Custom Paper 067	ENG	[0 to 150 / 80 / 1uA]
2-817-068	ITB Voltage	Custom Paper 068	ENG	[0 to 150 / 80 / 1uA]
2-817-069	ITB Voltage	Custom Paper 069	ENG	[0 to 150 / 80 / 1uA]
2-817-070	ITB Voltage	Custom Paper 070	ENG	[0 to 150 / 80 / 1uA]
2-817-	ITB Voltage	Custom Paper 071	ENG	[0 to 150 / 80 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071				
2-817-072	ITB Voltage	Custom Paper 072	ENG	[0 to 150 / 80 / 1uA]
2-817-073	ITB Voltage	Custom Paper 073	ENG	[0 to 150 / 80 / 1uA]
2-817-074	ITB Voltage	Custom Paper 074	ENG	[0 to 150 / 80 / 1uA]
2-817-075	ITB Voltage	Custom Paper 075	ENG	[0 to 150 / 80 / 1uA]
2-817-076	ITB Voltage	Custom Paper 076	ENG	[0 to 150 / 80 / 1uA]
2-817-077	ITB Voltage	Custom Paper 077	ENG	[0 to 150 / 80 / 1uA]
2-817-078	ITB Voltage	Custom Paper 078	ENG	[0 to 150 / 80 / 1uA]
2-817-079	ITB Voltage	Custom Paper 079	ENG	[0 to 150 / 80 / 1uA]
2-817-080	ITB Voltage	Custom Paper 080	ENG	[0 to 150 / 80 / 1uA]
2-817-081	ITB Voltage	Custom Paper 081	ENG	[0 to 150 / 80 / 1uA]
2-817-082	ITB Voltage	Custom Paper 082	ENG	[0 to 150 / 80 / 1uA]
2-817-083	ITB Voltage	Custom Paper 083	ENG	[0 to 150 / 80 / 1uA]
2-817-084	ITB Voltage	Custom Paper 084	ENG	[0 to 150 / 80 / 1uA]
2-817-085	ITB Voltage	Custom Paper 085	ENG	[0 to 150 / 80 / 1uA]
2-817-086	ITB Voltage	Custom Paper 086	ENG	[0 to 150 / 80 / 1uA]
2-817-087	ITB Voltage	Custom Paper 087	ENG	[0 to 150 / 80 / 1uA]
2-817-088	ITB Voltage	Custom Paper 088	ENG	[0 to 150 / 80 / 1uA]
2-817-	ITB Voltage	Custom Paper 089	ENG	[0 to 150 / 80 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089				
2-817-090	ITB Voltage	Custom Paper 090	ENG	[0 to 150 / 80 / 1uA]
2-817-091	ITB Voltage	Custom Paper 091	ENG	[0 to 150 / 80 / 1uA]
2-817-092	ITB Voltage	Custom Paper 092	ENG	[0 to 150 / 80 / 1uA]
2-817-093	ITB Voltage	Custom Paper 093	ENG	[0 to 150 / 80 / 1uA]
2-817-094	ITB Voltage	Custom Paper 094	ENG	[0 to 150 / 80 / 1uA]
2-817-095	ITB Voltage	Custom Paper 095	ENG	[0 to 150 / 80 / 1uA]
2-817-096	ITB Voltage	Custom Paper 096	ENG	[0 to 150 / 80 / 1uA]
2-817-097	ITB Voltage	Custom Paper 097	ENG	[0 to 150 / 80 / 1uA]
2-817-098	ITB Voltage	Custom Paper 098	ENG	[0 to 150 / 80 / 1uA]
2-817-099	ITB Voltage	Custom Paper 099	ENG	[0 to 150 / 80 / 1uA]
2-817-100	ITB Voltage	Custom Paper 100	ENG	[0 to 150 / 80 / 1uA]
2-820-001	SepAC:1st	Custom Paper 001	ENG	[80 to 120 / 100 / 0.1kV]
2-820-002	SepAC:1st	Custom Paper 002	ENG	[80 to 120 / 100 / 0.1kV]
2-820-003	SepAC:1st	Custom Paper 003	ENG	[80 to 120 / 100 / 0.1kV]
2-820-004	SepAC:1st	Custom Paper 004	ENG	[80 to 120 / 100 / 0.1kV]
2-820-005	SepAC:1st	Custom Paper 005	ENG	[80 to 120 / 100 / 0.1kV]
2-820-006	SepAC:1st	Custom Paper 006	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 007	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				0.1kV]
2-820-008	SepAC:1st	Custom Paper 008	ENG	[80 to 120 / 100 / 0.1kV]
2-820-009	SepAC:1st	Custom Paper 009	ENG	[80 to 120 / 100 / 0.1kV]
2-820-010	SepAC:1st	Custom Paper 010	ENG	[80 to 120 / 100 / 0.1kV]
2-820-011	SepAC:1st	Custom Paper 011	ENG	[80 to 120 / 100 / 0.1kV]
2-820-012	SepAC:1st	Custom Paper 012	ENG	[80 to 120 / 100 / 0.1kV]
2-820-013	SepAC:1st	Custom Paper 013	ENG	[80 to 120 / 100 / 0.1kV]
2-820-014	SepAC:1st	Custom Paper 014	ENG	[80 to 120 / 100 / 0.1kV]
2-820-015	SepAC:1st	Custom Paper 015	ENG	[80 to 120 / 100 / 0.1kV]
2-820-016	SepAC:1st	Custom Paper 016	ENG	[80 to 120 / 100 / 0.1kV]
2-820-017	SepAC:1st	Custom Paper 017	ENG	[80 to 120 / 100 / 0.1kV]
2-820-018	SepAC:1st	Custom Paper 018	ENG	[80 to 120 / 100 / 0.1kV]
2-820-019	SepAC:1st	Custom Paper 019	ENG	[80 to 120 / 100 / 0.1kV]
2-820-020	SepAC:1st	Custom Paper 020	ENG	[80 to 120 / 100 / 0.1kV]
2-820-021	SepAC:1st	Custom Paper 021	ENG	[80 to 120 / 100 / 0.1kV]
2-820-022	SepAC:1st	Custom Paper 022	ENG	[80 to 120 / 100 / 0.1kV]
2-820-023	SepAC:1st	Custom Paper 023	ENG	[80 to 120 / 100 / 0.1kV]
2-820-024	SepAC:1st	Custom Paper 024	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 025	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
025				0.1kV]
2-820-026	SepAC:1st	Custom Paper 026	ENG	[80 to 120 / 100 / 0.1kV]
2-820-027	SepAC:1st	Custom Paper 027	ENG	[80 to 120 / 100 / 0.1kV]
2-820-028	SepAC:1st	Custom Paper 028	ENG	[80 to 120 / 100 / 0.1kV]
2-820-029	SepAC:1st	Custom Paper 029	ENG	[80 to 120 / 100 / 0.1kV]
2-820-030	SepAC:1st	Custom Paper 030	ENG	[80 to 120 / 100 / 0.1kV]
2-820-031	SepAC:1st	Custom Paper 031	ENG	[80 to 120 / 100 / 0.1kV]
2-820-032	SepAC:1st	Custom Paper 032	ENG	[80 to 120 / 100 / 0.1kV]
2-820-033	SepAC:1st	Custom Paper 033	ENG	[80 to 120 / 100 / 0.1kV]
2-820-034	SepAC:1st	Custom Paper 034	ENG	[80 to 120 / 100 / 0.1kV]
2-820-035	SepAC:1st	Custom Paper 035	ENG	[80 to 120 / 100 / 0.1kV]
2-820-036	SepAC:1st	Custom Paper 036	ENG	[80 to 120 / 100 / 0.1kV]
2-820-037	SepAC:1st	Custom Paper 037	ENG	[80 to 120 / 100 / 0.1kV]
2-820-038	SepAC:1st	Custom Paper 038	ENG	[80 to 120 / 100 / 0.1kV]
2-820-039	SepAC:1st	Custom Paper 039	ENG	[80 to 120 / 100 / 0.1kV]
2-820-040	SepAC:1st	Custom Paper 040	ENG	[80 to 120 / 100 / 0.1kV]
2-820-041	SepAC:1st	Custom Paper 041	ENG	[80 to 120 / 100 / 0.1kV]
2-820-042	SepAC:1st	Custom Paper 042	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 043	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
043				0.1kV]
2-820-044	SepAC:1st	Custom Paper 044	ENG	[80 to 120 / 100 / 0.1kV]
2-820-045	SepAC:1st	Custom Paper 045	ENG	[80 to 120 / 100 / 0.1kV]
2-820-046	SepAC:1st	Custom Paper 046	ENG	[80 to 120 / 100 / 0.1kV]
2-820-047	SepAC:1st	Custom Paper 047	ENG	[80 to 120 / 100 / 0.1kV]
2-820-048	SepAC:1st	Custom Paper 048	ENG	[80 to 120 / 100 / 0.1kV]
2-820-049	SepAC:1st	Custom Paper 049	ENG	[80 to 120 / 100 / 0.1kV]
2-820-050	SepAC:1st	Custom Paper 050	ENG	[80 to 120 / 100 / 0.1kV]
2-820-051	SepAC:1st	Custom Paper 051	ENG	[80 to 120 / 100 / 0.1kV]
2-820-052	SepAC:1st	Custom Paper 052	ENG	[80 to 120 / 100 / 0.1kV]
2-820-053	SepAC:1st	Custom Paper 053	ENG	[80 to 120 / 100 / 0.1kV]
2-820-054	SepAC:1st	Custom Paper 054	ENG	[80 to 120 / 100 / 0.1kV]
2-820-055	SepAC:1st	Custom Paper 055	ENG	[80 to 120 / 100 / 0.1kV]
2-820-056	SepAC:1st	Custom Paper 056	ENG	[80 to 120 / 100 / 0.1kV]
2-820-057	SepAC:1st	Custom Paper 057	ENG	[80 to 120 / 100 / 0.1kV]
2-820-058	SepAC:1st	Custom Paper 058	ENG	[80 to 120 / 100 / 0.1kV]
2-820-059	SepAC:1st	Custom Paper 059	ENG	[80 to 120 / 100 / 0.1kV]
2-820-060	SepAC:1st	Custom Paper 060	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 061	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
061				0.1kV]
2-820-062	SepAC:1st	Custom Paper 062	ENG	[80 to 120 / 100 / 0.1kV]
2-820-063	SepAC:1st	Custom Paper 063	ENG	[80 to 120 / 100 / 0.1kV]
2-820-064	SepAC:1st	Custom Paper 064	ENG	[80 to 120 / 100 / 0.1kV]
2-820-065	SepAC:1st	Custom Paper 065	ENG	[80 to 120 / 100 / 0.1kV]
2-820-066	SepAC:1st	Custom Paper 066	ENG	[80 to 120 / 100 / 0.1kV]
2-820-067	SepAC:1st	Custom Paper 067	ENG	[80 to 120 / 100 / 0.1kV]
2-820-068	SepAC:1st	Custom Paper 068	ENG	[80 to 120 / 100 / 0.1kV]
2-820-069	SepAC:1st	Custom Paper 069	ENG	[80 to 120 / 100 / 0.1kV]
2-820-070	SepAC:1st	Custom Paper 070	ENG	[80 to 120 / 100 / 0.1kV]
2-820-071	SepAC:1st	Custom Paper 071	ENG	[80 to 120 / 100 / 0.1kV]
2-820-072	SepAC:1st	Custom Paper 072	ENG	[80 to 120 / 100 / 0.1kV]
2-820-073	SepAC:1st	Custom Paper 073	ENG	[80 to 120 / 100 / 0.1kV]
2-820-074	SepAC:1st	Custom Paper 074	ENG	[80 to 120 / 100 / 0.1kV]
2-820-075	SepAC:1st	Custom Paper 075	ENG	[80 to 120 / 100 / 0.1kV]
2-820-076	SepAC:1st	Custom Paper 076	ENG	[80 to 120 / 100 / 0.1kV]
2-820-077	SepAC:1st	Custom Paper 077	ENG	[80 to 120 / 100 / 0.1kV]
2-820-078	SepAC:1st	Custom Paper 078	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 079	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
079				0.1kV]
2-820-080	SepAC:1st	Custom Paper 080	ENG	[80 to 120 / 100 / 0.1kV]
2-820-081	SepAC:1st	Custom Paper 081	ENG	[80 to 120 / 100 / 0.1kV]
2-820-082	SepAC:1st	Custom Paper 082	ENG	[80 to 120 / 100 / 0.1kV]
2-820-083	SepAC:1st	Custom Paper 083	ENG	[80 to 120 / 100 / 0.1kV]
2-820-084	SepAC:1st	Custom Paper 084	ENG	[80 to 120 / 100 / 0.1kV]
2-820-085	SepAC:1st	Custom Paper 085	ENG	[80 to 120 / 100 / 0.1kV]
2-820-086	SepAC:1st	Custom Paper 086	ENG	[80 to 120 / 100 / 0.1kV]
2-820-087	SepAC:1st	Custom Paper 087	ENG	[80 to 120 / 100 / 0.1kV]
2-820-088	SepAC:1st	Custom Paper 088	ENG	[80 to 120 / 100 / 0.1kV]
2-820-089	SepAC:1st	Custom Paper 089	ENG	[80 to 120 / 100 / 0.1kV]
2-820-090	SepAC:1st	Custom Paper 090	ENG	[80 to 120 / 100 / 0.1kV]
2-820-091	SepAC:1st	Custom Paper 091	ENG	[80 to 120 / 100 / 0.1kV]
2-820-092	SepAC:1st	Custom Paper 092	ENG	[80 to 120 / 100 / 0.1kV]
2-820-093	SepAC:1st	Custom Paper 093	ENG	[80 to 120 / 100 / 0.1kV]
2-820-094	SepAC:1st	Custom Paper 094	ENG	[80 to 120 / 100 / 0.1kV]
2-820-095	SepAC:1st	Custom Paper 095	ENG	[80 to 120 / 100 / 0.1kV]
2-820-096	SepAC:1st	Custom Paper 096	ENG	[80 to 120 / 100 / 0.1kV]
2-820-	SepAC:1st	Custom Paper 097	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
097				0.1kV]
2-820-098	SepAC:1st	Custom Paper 098	ENG	[80 to 120 / 100 / 0.1kV]
2-820-099	SepAC:1st	Custom Paper 099	ENG	[80 to 120 / 100 / 0.1kV]
2-820-100	SepAC:1st	Custom Paper 100	ENG	[80 to 120 / 100 / 0.1kV]
2-821-001	SepAC:2nd	Custom Paper 001	ENG	[80 to 120 / 100 / 0.1kV]
2-821-002	SepAC:2nd	Custom Paper 002	ENG	[80 to 120 / 100 / 0.1kV]
2-821-003	SepAC:2nd	Custom Paper 003	ENG	[80 to 120 / 100 / 0.1kV]
2-821-004	SepAC:2nd	Custom Paper 004	ENG	[80 to 120 / 100 / 0.1kV]
2-821-005	SepAC:2nd	Custom Paper 005	ENG	[80 to 120 / 100 / 0.1kV]
2-821-006	SepAC:2nd	Custom Paper 006	ENG	[80 to 120 / 100 / 0.1kV]
2-821-007	SepAC:2nd	Custom Paper 007	ENG	[80 to 120 / 100 / 0.1kV]
2-821-008	SepAC:2nd	Custom Paper 008	ENG	[80 to 120 / 100 / 0.1kV]
2-821-009	SepAC:2nd	Custom Paper 009	ENG	[80 to 120 / 100 / 0.1kV]
2-821-010	SepAC:2nd	Custom Paper 010	ENG	[80 to 120 / 100 / 0.1kV]
2-821-011	SepAC:2nd	Custom Paper 011	ENG	[80 to 120 / 100 / 0.1kV]
2-821-012	SepAC:2nd	Custom Paper 012	ENG	[80 to 120 / 100 / 0.1kV]
2-821-013	SepAC:2nd	Custom Paper 013	ENG	[80 to 120 / 100 / 0.1kV]
2-821-014	SepAC:2nd	Custom Paper 014	ENG	[80 to 120 / 100 / 0.1kV]
2-821-	SepAC:2nd	Custom Paper 015	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015				0.1kV]
2-821-016	SepAC:2nd	Custom Paper 016	ENG	[80 to 120 / 100 / 0.1kV]
2-821-017	SepAC:2nd	Custom Paper 017	ENG	[80 to 120 / 100 / 0.1kV]
2-821-018	SepAC:2nd	Custom Paper 018	ENG	[80 to 120 / 100 / 0.1kV]
2-821-019	SepAC:2nd	Custom Paper 019	ENG	[80 to 120 / 100 / 0.1kV]
2-821-020	SepAC:2nd	Custom Paper 020	ENG	[80 to 120 / 100 / 0.1kV]
2-821-021	SepAC:2nd	Custom Paper 021	ENG	[80 to 120 / 100 / 0.1kV]
2-821-022	SepAC:2nd	Custom Paper 022	ENG	[80 to 120 / 100 / 0.1kV]
2-821-023	SepAC:2nd	Custom Paper 023	ENG	[80 to 120 / 100 / 0.1kV]
2-821-024	SepAC:2nd	Custom Paper 024	ENG	[80 to 120 / 100 / 0.1kV]
2-821-025	SepAC:2nd	Custom Paper 025	ENG	[80 to 120 / 100 / 0.1kV]
2-821-026	SepAC:2nd	Custom Paper 026	ENG	[80 to 120 / 100 / 0.1kV]
2-821-027	SepAC:2nd	Custom Paper 027	ENG	[80 to 120 / 100 / 0.1kV]
2-821-028	SepAC:2nd	Custom Paper 028	ENG	[80 to 120 / 100 / 0.1kV]
2-821-029	SepAC:2nd	Custom Paper 029	ENG	[80 to 120 / 100 / 0.1kV]
2-821-030	SepAC:2nd	Custom Paper 030	ENG	[80 to 120 / 100 / 0.1kV]
2-821-031	SepAC:2nd	Custom Paper 031	ENG	[80 to 120 / 100 / 0.1kV]
2-821-032	SepAC:2nd	Custom Paper 032	ENG	[80 to 120 / 100 / 0.1kV]
2-821-	SepAC:2nd	Custom Paper 033	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033				0.1kV]
2-821-034	SepAC:2nd	Custom Paper 034	ENG	[80 to 120 / 100 / 0.1kV]
2-821-035	SepAC:2nd	Custom Paper 035	ENG	[80 to 120 / 100 / 0.1kV]
2-821-036	SepAC:2nd	Custom Paper 036	ENG	[80 to 120 / 100 / 0.1kV]
2-821-037	SepAC:2nd	Custom Paper 037	ENG	[80 to 120 / 100 / 0.1kV]
2-821-038	SepAC:2nd	Custom Paper 038	ENG	[80 to 120 / 100 / 0.1kV]
2-821-039	SepAC:2nd	Custom Paper 039	ENG	[80 to 120 / 100 / 0.1kV]
2-821-040	SepAC:2nd	Custom Paper 040	ENG	[80 to 120 / 100 / 0.1kV]
2-821-041	SepAC:2nd	Custom Paper 041	ENG	[80 to 120 / 100 / 0.1kV]
2-821-042	SepAC:2nd	Custom Paper 042	ENG	[80 to 120 / 100 / 0.1kV]
2-821-043	SepAC:2nd	Custom Paper 043	ENG	[80 to 120 / 100 / 0.1kV]
2-821-044	SepAC:2nd	Custom Paper 044	ENG	[80 to 120 / 100 / 0.1kV]
2-821-045	SepAC:2nd	Custom Paper 045	ENG	[80 to 120 / 100 / 0.1kV]
2-821-046	SepAC:2nd	Custom Paper 046	ENG	[80 to 120 / 100 / 0.1kV]
2-821-047	SepAC:2nd	Custom Paper 047	ENG	[80 to 120 / 100 / 0.1kV]
2-821-048	SepAC:2nd	Custom Paper 048	ENG	[80 to 120 / 100 / 0.1kV]
2-821-049	SepAC:2nd	Custom Paper 049	ENG	[80 to 120 / 100 / 0.1kV]
2-821-050	SepAC:2nd	Custom Paper 050	ENG	[80 to 120 / 100 / 0.1kV]
2-821-	SepAC:2nd	Custom Paper 051	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051				0.1kV]
2-821-052	SepAC:2nd	Custom Paper 052	ENG	[80 to 120 / 100 / 0.1kV]
2-821-053	SepAC:2nd	Custom Paper 053	ENG	[80 to 120 / 100 / 0.1kV]
2-821-054	SepAC:2nd	Custom Paper 054	ENG	[80 to 120 / 100 / 0.1kV]
2-821-055	SepAC:2nd	Custom Paper 055	ENG	[80 to 120 / 100 / 0.1kV]
2-821-056	SepAC:2nd	Custom Paper 056	ENG	[80 to 120 / 100 / 0.1kV]
2-821-057	SepAC:2nd	Custom Paper 057	ENG	[80 to 120 / 100 / 0.1kV]
2-821-058	SepAC:2nd	Custom Paper 058	ENG	[80 to 120 / 100 / 0.1kV]
2-821-059	SepAC:2nd	Custom Paper 059	ENG	[80 to 120 / 100 / 0.1kV]
2-821-060	SepAC:2nd	Custom Paper 060	ENG	[80 to 120 / 100 / 0.1kV]
2-821-061	SepAC:2nd	Custom Paper 061	ENG	[80 to 120 / 100 / 0.1kV]
2-821-062	SepAC:2nd	Custom Paper 062	ENG	[80 to 120 / 100 / 0.1kV]
2-821-063	SepAC:2nd	Custom Paper 063	ENG	[80 to 120 / 100 / 0.1kV]
2-821-064	SepAC:2nd	Custom Paper 064	ENG	[80 to 120 / 100 / 0.1kV]
2-821-065	SepAC:2nd	Custom Paper 065	ENG	[80 to 120 / 100 / 0.1kV]
2-821-066	SepAC:2nd	Custom Paper 066	ENG	[80 to 120 / 100 / 0.1kV]
2-821-067	SepAC:2nd	Custom Paper 067	ENG	[80 to 120 / 100 / 0.1kV]
2-821-068	SepAC:2nd	Custom Paper 068	ENG	[80 to 120 / 100 / 0.1kV]
2-821-	SepAC:2nd	Custom Paper 069	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
069				0.1kV]
2-821-070	SepAC:2nd	Custom Paper 070	ENG	[80 to 120 / 100 / 0.1kV]
2-821-071	SepAC:2nd	Custom Paper 071	ENG	[80 to 120 / 100 / 0.1kV]
2-821-072	SepAC:2nd	Custom Paper 072	ENG	[80 to 120 / 100 / 0.1kV]
2-821-073	SepAC:2nd	Custom Paper 073	ENG	[80 to 120 / 100 / 0.1kV]
2-821-074	SepAC:2nd	Custom Paper 074	ENG	[80 to 120 / 100 / 0.1kV]
2-821-075	SepAC:2nd	Custom Paper 075	ENG	[80 to 120 / 100 / 0.1kV]
2-821-076	SepAC:2nd	Custom Paper 076	ENG	[80 to 120 / 100 / 0.1kV]
2-821-077	SepAC:2nd	Custom Paper 077	ENG	[80 to 120 / 100 / 0.1kV]
2-821-078	SepAC:2nd	Custom Paper 078	ENG	[80 to 120 / 100 / 0.1kV]
2-821-079	SepAC:2nd	Custom Paper 079	ENG	[80 to 120 / 100 / 0.1kV]
2-821-080	SepAC:2nd	Custom Paper 080	ENG	[80 to 120 / 100 / 0.1kV]
2-821-081	SepAC:2nd	Custom Paper 081	ENG	[80 to 120 / 100 / 0.1kV]
2-821-082	SepAC:2nd	Custom Paper 082	ENG	[80 to 120 / 100 / 0.1kV]
2-821-083	SepAC:2nd	Custom Paper 083	ENG	[80 to 120 / 100 / 0.1kV]
2-821-084	SepAC:2nd	Custom Paper 084	ENG	[80 to 120 / 100 / 0.1kV]
2-821-085	SepAC:2nd	Custom Paper 085	ENG	[80 to 120 / 100 / 0.1kV]
2-821-086	SepAC:2nd	Custom Paper 086	ENG	[80 to 120 / 100 / 0.1kV]
2-821-	SepAC:2nd	Custom Paper 087	ENG	[80 to 120 / 100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
087				0.1kV]
2-821-088	SepAC:2nd	Custom Paper 088	ENG	[80 to 120 / 100 / 0.1kV]
2-821-089	SepAC:2nd	Custom Paper 089	ENG	[80 to 120 / 100 / 0.1kV]
2-821-090	SepAC:2nd	Custom Paper 090	ENG	[80 to 120 / 100 / 0.1kV]
2-821-091	SepAC:2nd	Custom Paper 091	ENG	[80 to 120 / 100 / 0.1kV]
2-821-092	SepAC:2nd	Custom Paper 092	ENG	[80 to 120 / 100 / 0.1kV]
2-821-093	SepAC:2nd	Custom Paper 093	ENG	[80 to 120 / 100 / 0.1kV]
2-821-094	SepAC:2nd	Custom Paper 094	ENG	[80 to 120 / 100 / 0.1kV]
2-821-095	SepAC:2nd	Custom Paper 095	ENG	[80 to 120 / 100 / 0.1kV]
2-821-096	SepAC:2nd	Custom Paper 096	ENG	[80 to 120 / 100 / 0.1kV]
2-821-097	SepAC:2nd	Custom Paper 097	ENG	[80 to 120 / 100 / 0.1kV]
2-821-098	SepAC:2nd	Custom Paper 098	ENG	[80 to 120 / 100 / 0.1kV]
2-821-099	SepAC:2nd	Custom Paper 099	ENG	[80 to 120 / 100 / 0.1kV]
2-821-100	SepAC:2nd	Custom Paper 100	ENG	[80 to 120 / 100 / 0.1kV]
2-882-100	PTR Speed Control	Plain:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
2-882-101	PTR Speed Control	Plain:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
2-882-102	PTR Speed Control	Plain:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
2-882-103	PTR Speed Control	Plain:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
2-882-	PTR Speed Control	Plain:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104				
2-882-105	PTR Speed Control	Plain:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
2-882-106	PTR Speed Control	Plain:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
2-882-107	PTR Speed Control	Plain:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
2-882-108	PTR Speed Control	Plain:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
2-882-120	PTR Speed Control	Glossy:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
2-882-121	PTR Speed Control	Glossy:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
2-882-122	PTR Speed Control	Glossy:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
2-882-123	PTR Speed Control	Glossy:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
2-882-124	PTR Speed Control	Glossy:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]
2-882-125	PTR Speed Control	Glossy:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
2-882-126	PTR Speed Control	Glossy:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
2-882-127	PTR Speed Control	Glossy:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
2-882-128	PTR Speed Control	Glossy:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
2-882-140	PTR Speed Control	Matte:Weight 0	ENG	[-50 to 50 / 0 / 0.1%]
2-882-141	PTR Speed Control	Matte:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
2-882-142	PTR Speed Control	Matte:Weight 2	ENG	[-50 to 50 / 0 / 0.1%]
2-882-143	PTR Speed Control	Matte:Weight 3	ENG	[-50 to 50 / 0 / 0.1%]
2-882-	PTR Speed Control	Matte:Weight 4	ENG	[-50 to 50 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
144				
2-882-145	PTR Speed Control	Matte:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
2-882-146	PTR Speed Control	Matte:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
2-882-147	PTR Speed Control	Matte:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
2-882-148	PTR Speed Control	Matte:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
2-882-155	PTR Speed Control	OHP	ENG	[-50 to 50 / 0 / 0.1%]
2-882-161	PTR Speed Control	Transluc:Weight 1	ENG	[-50 to 50 / 0 / 0.1%]
2-882-175	PTR Speed Control	Envelope:Weight 5	ENG	[-50 to 50 / 0 / 0.1%]
2-882-176	PTR Speed Control	Envelope:Weight 6	ENG	[-50 to 50 / 0 / 0.1%]
2-882-177	PTR Speed Control	Envelope:Weight 7	ENG	[-50 to 50 / 0 / 0.1%]
2-882-178	PTR Speed Control	Envelope:Weight 8	ENG	[-50 to 50 / 0 / 0.1%]
2-883-001	PTR Speed Control	Env Coeff:LLL	ENG	[-50 to 50 / 0 / 0.1%]
2-883-002	PTR Speed Control	Env Coeff:LL	ENG	[-50 to 50 / 0 / 0.1%]
2-883-003	PTR Speed Control	Env Coeff:ML	ENG	[-50 to 50 / 0 / 0.1%]
2-883-004	PTR Speed Control	Env Coeff:MM	ENG	[-50 to 50 / 0 / 0.1%]
2-883-005	PTR Speed Control	Env Coeff:MH	ENG	[-50 to 50 / 0 / 0.1%]
2-883-006	PTR Speed Control	Env Coeff:HH	ENG	[-50 to 50 / 0 / 0.1%]
2-884-001	Fine Adj Trans Tmg Roll Spd	Env Coeff:LLL	ENG	[-30 to 30 / 0 / 0.1%]
2-884-	Fine Adj Trans Tmg Roll	Env Coeff:LL	ENG	[-30 to 30 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002	Spd			
2-884-003	Fine Adj Trans Tmg Roll Spd	Env Coeff:ML	ENG	[-30 to 30 / 0 / 0.1%]
2-884-004	Fine Adj Trans Tmg Roll Spd	Env Coeff:MM	ENG	[-30 to 30 / 0 / 0.1%]
2-884-005	Fine Adj Trans Tmg Roll Spd	Env Coeff:MH	ENG	[-30 to 30 / 0 / 0.1%]
2-884-006	Fine Adj Trans Tmg Roll Spd	Env Coeff:HH	ENG	[-30 to 30 / 0 / 0.1%]
2-904-001	Prevent Blade Bending	Pattern Create Interval	ENG	[1 to 10000 / 200 / 1page]
2-904-002	Prevent Blade Bending	Op Pg Count Display	ENG	[0 to 10000 / 0 / 1page]
2-904-003	Prevent Blade Bending	Pattern Create ON/OFF	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-904-004	Prevent Blade Bending	execute environment	ENG	[0 to 63 / 7 / 1g/m3]
2-906-001	Set Time Reverse Ctrl	Set Rev Execute:ITB	ENG	[0 to 1 / 1 / 1]
2-906-002	Set Time Reverse Ctrl	Set Rev Execute:PTR	ENG	[0 to 1 / 1 / 1]
2-906-004	Set Time Reverse Ctrl	Set Rev Execute Interval(D-int1)	ENG	[1 to 1160 / 580 / 1sec]
2-906-005	Set Time Reverse Ctrl	Assign Execution	ENG	[0 to 1 / 0 / 1]
2-906-006	Set Time Reverse Ctrl	Set Execute Interval(D-int2)	ENG	[1 to 1160 / 580 / 1sec]
2-906-007	Set Time Reverse Ctrl	Operation Time Setting:ITB(T-ITB)	ENG	[10 to 500 / 30 / 10msec]
2-906-008	Set Time Reverse Ctrl	Operation Time Setting:PTR(T-ST)	ENG	[10 to 500 / 30 / 10msec]
2-906-010	Set Time Reverse Ctrl	Set Rev Execute Interval Counter	ENG	[0 to 1160 / 0 / 1sec]
2-906-011	Set Time Reverse Ctrl	Set Execute Interval Counter	ENG	[0 to 1160 / 0 / 1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-908-001	Print Operation Adjustment	Additional Time ON/OFF	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
2-908-002	Print Operation Adjustment	Additional Time	ENG	[0 to 10 / 0 / 1sec]
2-908-003	Print Operation Adjustment	Extend Clean Time	ENG	[0 to 50 / 0 / 1sec]
2-920-002	Steering Control Roller	Stable Position of Steering Roller	ENG	[-150 to 150 / 0 / 1step]
2-920-003	Steering Control Roller	Controll ON/OFF	ENG	[0 to 1 / 1 / 1]
2-920-004	Steering Control Roller	Last Time Ai Value	ENG	[-150 to 150 / 0 / 1step]
2-920-005	Steering Control Roller	LED PWM of Belt Position Senser	ENG	[0 to 800 / 700 / 0.1%]
2-920-006	Steering Control Roller	Threshold for Control Rock	ENG	[0 to 1000 / 30 / 1]
2-920-007	Steering Control Roller	Threshold for Senser Error	ENG	[0 to 100 / 40 / 0.01V]
2-920-008	Steering Control Roller	Threshold for PWM Control	ENG	[0 to 200 / 30 / 0.01V]
2-920-009	Steering Control Roller	Sum of Senser Output	ENG	[0 to 1000 / 0 / 0.01V]
2-920-010	Steering Control Roller	Ratio of Senser Output	ENG	[-1000 to 1000 / 0 / 0.001]
2-920-011	Steering Control Roller	Threshold for Over Run	ENG	[1 to 33 / 33 / 0.1V]
2-920-012	Steering Control Roller	Timeout of Over Run	ENG	[0 to 255 / 1 / 1sec]
2-920-013	Steering Control Roller	Timeout of Belt Ready	ENG	[0 to 1000 / 400 / 1sec]
2-920-014	Steering Control Roller	Gain P(a)	ENG	[1 to 100 / 2 / 0.01]
2-920-015	Steering Control Roller	Gain P(a) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-	Steering Control Roller	Gain I(a)	ENG	[1 to 100 / 10 / 0.0001]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
2-920-017	Steering Control Roller	Gain I(a) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-018	Steering Control Roller	Gain P(a) Belt Initialize	ENG	[1 to 100 / 4 / 0.01]
2-920-019	Steering Control Roller	Gain P(a) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-020	Steering Control Roller	Gain I(a) Belt Initialize	ENG	[1 to 100 / 20 / 0.0001]
2-920-021	Steering Control Roller	Gain I(a) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-022	Steering Control Roller	Gain P(b)	ENG	[1 to 100 / 2 / 0.01]
2-920-023	Steering Control Roller	Gain P(b) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-024	Steering Control Roller	Gain I(b)	ENG	[1 to 100 / 10 / 0.0001]
2-920-025	Steering Control Roller	Gain I(b) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-026	Steering Control Roller	Gain P(b) Belt Initialize	ENG	[1 to 100 / 4 / 0.01]
2-920-027	Steering Control Roller	Gain P(b) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-028	Steering Control Roller	Gain I(b) Belt Initialize	ENG	[1 to 100 / 20 / 0.0001]
2-920-029	Steering Control Roller	Gain I(b) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-030	Steering Control Roller	Gain P(c)	ENG	[1 to 100 / 2 / 0.01]
2-920-031	Steering Control Roller	Gain P(c) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-032	Steering Control Roller	Gain I(c)	ENG	[1 to 100 / 10 / 0.0001]
2-920-033	Steering Control Roller	Gain I(c) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-	Steering Control Roller	Gain P(c) Belt Initialize	ENG	[1 to 100 / 4 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
2-920-035	Steering Control Roller	Gain P(c) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-036	Steering Control Roller	Gain I(c) Belt Initialize	ENG	[1 to 100 / 20 / 0.0001]
2-920-037	Steering Control Roller	Gain I(c) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-038	Steering Control Roller	Gain P(x)	ENG	[1 to 100 / 2 / 0.01]
2-920-039	Steering Control Roller	Gain P(x) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-040	Steering Control Roller	Gain I(x)	ENG	[1 to 100 / 10 / 0.0001]
2-920-041	Steering Control Roller	Gain I(x) Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-042	Steering Control Roller	Gain P(x) Belt Initialize	ENG	[1 to 100 / 4 / 0.01]
2-920-043	Steering Control Roller	Gain P(x) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-920-044	Steering Control Roller	Gain I(x) Belt Initialize	ENG	[1 to 100 / 20 / 0.0001]
2-920-045	Steering Control Roller	Gain I(x) Belt Initialize Adjust	ENG	[1 to 10000 / 100 / 0.01]
2-949-001	Process Interval	Additional Time	ENG	[0 to 10 / 0 / 1sec]
2-950-001	Face Main Mag set & Adj	Custom Paper 001	ENG	[-800 to 800 / 0 / 0.025%]
2-950-002	Face Main Mag set & Adj	Custom Paper 002	ENG	[-800 to 800 / 0 / 0.025%]
2-950-003	Face Main Mag set & Adj	Custom Paper 003	ENG	[-800 to 800 / 0 / 0.025%]
2-950-004	Face Main Mag set & Adj	Custom Paper 004	ENG	[-800 to 800 / 0 / 0.025%]
2-950-005	Face Main Mag set & Adj	Custom Paper 005	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 006	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006	Adj			0.025%]
2-950-007	Face Main Mag set & Adj	Custom Paper 007	ENG	[-800 to 800 / 0 / 0.025%]
2-950-008	Face Main Mag set & Adj	Custom Paper 008	ENG	[-800 to 800 / 0 / 0.025%]
2-950-009	Face Main Mag set & Adj	Custom Paper 009	ENG	[-800 to 800 / 0 / 0.025%]
2-950-010	Face Main Mag set & Adj	Custom Paper 010	ENG	[-800 to 800 / 0 / 0.025%]
2-950-011	Face Main Mag set & Adj	Custom Paper 011	ENG	[-800 to 800 / 0 / 0.025%]
2-950-012	Face Main Mag set & Adj	Custom Paper 012	ENG	[-800 to 800 / 0 / 0.025%]
2-950-013	Face Main Mag set & Adj	Custom Paper 013	ENG	[-800 to 800 / 0 / 0.025%]
2-950-014	Face Main Mag set & Adj	Custom Paper 014	ENG	[-800 to 800 / 0 / 0.025%]
2-950-015	Face Main Mag set & Adj	Custom Paper 015	ENG	[-800 to 800 / 0 / 0.025%]
2-950-016	Face Main Mag set & Adj	Custom Paper 016	ENG	[-800 to 800 / 0 / 0.025%]
2-950-017	Face Main Mag set & Adj	Custom Paper 017	ENG	[-800 to 800 / 0 / 0.025%]
2-950-018	Face Main Mag set & Adj	Custom Paper 018	ENG	[-800 to 800 / 0 / 0.025%]
2-950-019	Face Main Mag set & Adj	Custom Paper 019	ENG	[-800 to 800 / 0 / 0.025%]
2-950-020	Face Main Mag set & Adj	Custom Paper 020	ENG	[-800 to 800 / 0 / 0.025%]
2-950-021	Face Main Mag set & Adj	Custom Paper 021	ENG	[-800 to 800 / 0 / 0.025%]
2-950-022	Face Main Mag set & Adj	Custom Paper 022	ENG	[-800 to 800 / 0 / 0.025%]
2-950-023	Face Main Mag set & Adj	Custom Paper 023	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 024	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024	Adj			0.025%]
2-950-025	Face Main Mag set & Adj	Custom Paper 025	ENG	[-800 to 800 / 0 / 0.025%]
2-950-026	Face Main Mag set & Adj	Custom Paper 026	ENG	[-800 to 800 / 0 / 0.025%]
2-950-027	Face Main Mag set & Adj	Custom Paper 027	ENG	[-800 to 800 / 0 / 0.025%]
2-950-028	Face Main Mag set & Adj	Custom Paper 028	ENG	[-800 to 800 / 0 / 0.025%]
2-950-029	Face Main Mag set & Adj	Custom Paper 029	ENG	[-800 to 800 / 0 / 0.025%]
2-950-030	Face Main Mag set & Adj	Custom Paper 030	ENG	[-800 to 800 / 0 / 0.025%]
2-950-031	Face Main Mag set & Adj	Custom Paper 031	ENG	[-800 to 800 / 0 / 0.025%]
2-950-032	Face Main Mag set & Adj	Custom Paper 032	ENG	[-800 to 800 / 0 / 0.025%]
2-950-033	Face Main Mag set & Adj	Custom Paper 033	ENG	[-800 to 800 / 0 / 0.025%]
2-950-034	Face Main Mag set & Adj	Custom Paper 034	ENG	[-800 to 800 / 0 / 0.025%]
2-950-035	Face Main Mag set & Adj	Custom Paper 035	ENG	[-800 to 800 / 0 / 0.025%]
2-950-036	Face Main Mag set & Adj	Custom Paper 036	ENG	[-800 to 800 / 0 / 0.025%]
2-950-037	Face Main Mag set & Adj	Custom Paper 037	ENG	[-800 to 800 / 0 / 0.025%]
2-950-038	Face Main Mag set & Adj	Custom Paper 038	ENG	[-800 to 800 / 0 / 0.025%]
2-950-039	Face Main Mag set & Adj	Custom Paper 039	ENG	[-800 to 800 / 0 / 0.025%]
2-950-040	Face Main Mag set & Adj	Custom Paper 040	ENG	[-800 to 800 / 0 / 0.025%]
2-950-041	Face Main Mag set & Adj	Custom Paper 041	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 042	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042	Adj			0.025%]
2-950-043	Face Main Mag set & Adj	Custom Paper 043	ENG	[-800 to 800 / 0 / 0.025%]
2-950-044	Face Main Mag set & Adj	Custom Paper 044	ENG	[-800 to 800 / 0 / 0.025%]
2-950-045	Face Main Mag set & Adj	Custom Paper 045	ENG	[-800 to 800 / 0 / 0.025%]
2-950-046	Face Main Mag set & Adj	Custom Paper 046	ENG	[-800 to 800 / 0 / 0.025%]
2-950-047	Face Main Mag set & Adj	Custom Paper 047	ENG	[-800 to 800 / 0 / 0.025%]
2-950-048	Face Main Mag set & Adj	Custom Paper 048	ENG	[-800 to 800 / 0 / 0.025%]
2-950-049	Face Main Mag set & Adj	Custom Paper 049	ENG	[-800 to 800 / 0 / 0.025%]
2-950-050	Face Main Mag set & Adj	Custom Paper 050	ENG	[-800 to 800 / 0 / 0.025%]
2-950-051	Face Main Mag set & Adj	Custom Paper 051	ENG	[-800 to 800 / 0 / 0.025%]
2-950-052	Face Main Mag set & Adj	Custom Paper 052	ENG	[-800 to 800 / 0 / 0.025%]
2-950-053	Face Main Mag set & Adj	Custom Paper 053	ENG	[-800 to 800 / 0 / 0.025%]
2-950-054	Face Main Mag set & Adj	Custom Paper 054	ENG	[-800 to 800 / 0 / 0.025%]
2-950-055	Face Main Mag set & Adj	Custom Paper 055	ENG	[-800 to 800 / 0 / 0.025%]
2-950-056	Face Main Mag set & Adj	Custom Paper 056	ENG	[-800 to 800 / 0 / 0.025%]
2-950-057	Face Main Mag set & Adj	Custom Paper 057	ENG	[-800 to 800 / 0 / 0.025%]
2-950-058	Face Main Mag set & Adj	Custom Paper 058	ENG	[-800 to 800 / 0 / 0.025%]
2-950-059	Face Main Mag set & Adj	Custom Paper 059	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 060	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060	Adj			0.025%]
2-950-061	Face Main Mag set & Adj	Custom Paper 061	ENG	[-800 to 800 / 0 / 0.025%]
2-950-062	Face Main Mag set & Adj	Custom Paper 062	ENG	[-800 to 800 / 0 / 0.025%]
2-950-063	Face Main Mag set & Adj	Custom Paper 063	ENG	[-800 to 800 / 0 / 0.025%]
2-950-064	Face Main Mag set & Adj	Custom Paper 064	ENG	[-800 to 800 / 0 / 0.025%]
2-950-065	Face Main Mag set & Adj	Custom Paper 065	ENG	[-800 to 800 / 0 / 0.025%]
2-950-066	Face Main Mag set & Adj	Custom Paper 066	ENG	[-800 to 800 / 0 / 0.025%]
2-950-067	Face Main Mag set & Adj	Custom Paper 067	ENG	[-800 to 800 / 0 / 0.025%]
2-950-068	Face Main Mag set & Adj	Custom Paper 068	ENG	[-800 to 800 / 0 / 0.025%]
2-950-069	Face Main Mag set & Adj	Custom Paper 069	ENG	[-800 to 800 / 0 / 0.025%]
2-950-070	Face Main Mag set & Adj	Custom Paper 070	ENG	[-800 to 800 / 0 / 0.025%]
2-950-071	Face Main Mag set & Adj	Custom Paper 071	ENG	[-800 to 800 / 0 / 0.025%]
2-950-072	Face Main Mag set & Adj	Custom Paper 072	ENG	[-800 to 800 / 0 / 0.025%]
2-950-073	Face Main Mag set & Adj	Custom Paper 073	ENG	[-800 to 800 / 0 / 0.025%]
2-950-074	Face Main Mag set & Adj	Custom Paper 074	ENG	[-800 to 800 / 0 / 0.025%]
2-950-075	Face Main Mag set & Adj	Custom Paper 075	ENG	[-800 to 800 / 0 / 0.025%]
2-950-076	Face Main Mag set & Adj	Custom Paper 076	ENG	[-800 to 800 / 0 / 0.025%]
2-950-077	Face Main Mag set & Adj	Custom Paper 077	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 078	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078	Adj			0.025%]
2-950-079	Face Main Mag set & Adj	Custom Paper 079	ENG	[-800 to 800 / 0 / 0.025%]
2-950-080	Face Main Mag set & Adj	Custom Paper 080	ENG	[-800 to 800 / 0 / 0.025%]
2-950-081	Face Main Mag set & Adj	Custom Paper 081	ENG	[-800 to 800 / 0 / 0.025%]
2-950-082	Face Main Mag set & Adj	Custom Paper 082	ENG	[-800 to 800 / 0 / 0.025%]
2-950-083	Face Main Mag set & Adj	Custom Paper 083	ENG	[-800 to 800 / 0 / 0.025%]
2-950-084	Face Main Mag set & Adj	Custom Paper 084	ENG	[-800 to 800 / 0 / 0.025%]
2-950-085	Face Main Mag set & Adj	Custom Paper 085	ENG	[-800 to 800 / 0 / 0.025%]
2-950-086	Face Main Mag set & Adj	Custom Paper 086	ENG	[-800 to 800 / 0 / 0.025%]
2-950-087	Face Main Mag set & Adj	Custom Paper 087	ENG	[-800 to 800 / 0 / 0.025%]
2-950-088	Face Main Mag set & Adj	Custom Paper 088	ENG	[-800 to 800 / 0 / 0.025%]
2-950-089	Face Main Mag set & Adj	Custom Paper 089	ENG	[-800 to 800 / 0 / 0.025%]
2-950-090	Face Main Mag set & Adj	Custom Paper 090	ENG	[-800 to 800 / 0 / 0.025%]
2-950-091	Face Main Mag set & Adj	Custom Paper 091	ENG	[-800 to 800 / 0 / 0.025%]
2-950-092	Face Main Mag set & Adj	Custom Paper 092	ENG	[-800 to 800 / 0 / 0.025%]
2-950-093	Face Main Mag set & Adj	Custom Paper 093	ENG	[-800 to 800 / 0 / 0.025%]
2-950-094	Face Main Mag set & Adj	Custom Paper 094	ENG	[-800 to 800 / 0 / 0.025%]
2-950-095	Face Main Mag set & Adj	Custom Paper 095	ENG	[-800 to 800 / 0 / 0.025%]
2-950-	Face Main Mag set &	Custom Paper 096	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096	Adj			0.025%]
2-950-097	Face Main Mag set & Adj	Custom Paper 097	ENG	[-800 to 800 / 0 / 0.025%]
2-950-098	Face Main Mag set & Adj	Custom Paper 098	ENG	[-800 to 800 / 0 / 0.025%]
2-950-099	Face Main Mag set & Adj	Custom Paper 099	ENG	[-800 to 800 / 0 / 0.025%]
2-950-100	Face Main Mag set & Adj	Custom Paper 100	ENG	[-800 to 800 / 0 / 0.025%]
2-951-001	Face Sub Mag set & Adj	Custom Paper 001	ENG	[-800 to 800 / 0 / 0.025%]
2-951-002	Face Sub Mag set & Adj	Custom Paper 002	ENG	[-800 to 800 / 0 / 0.025%]
2-951-003	Face Sub Mag set & Adj	Custom Paper 003	ENG	[-800 to 800 / 0 / 0.025%]
2-951-004	Face Sub Mag set & Adj	Custom Paper 004	ENG	[-800 to 800 / 0 / 0.025%]
2-951-005	Face Sub Mag set & Adj	Custom Paper 005	ENG	[-800 to 800 / 0 / 0.025%]
2-951-006	Face Sub Mag set & Adj	Custom Paper 006	ENG	[-800 to 800 / 0 / 0.025%]
2-951-007	Face Sub Mag set & Adj	Custom Paper 007	ENG	[-800 to 800 / 0 / 0.025%]
2-951-008	Face Sub Mag set & Adj	Custom Paper 008	ENG	[-800 to 800 / 0 / 0.025%]
2-951-009	Face Sub Mag set & Adj	Custom Paper 009	ENG	[-800 to 800 / 0 / 0.025%]
2-951-010	Face Sub Mag set & Adj	Custom Paper 010	ENG	[-800 to 800 / 0 / 0.025%]
2-951-011	Face Sub Mag set & Adj	Custom Paper 011	ENG	[-800 to 800 / 0 / 0.025%]
2-951-012	Face Sub Mag set & Adj	Custom Paper 012	ENG	[-800 to 800 / 0 / 0.025%]
2-951-013	Face Sub Mag set & Adj	Custom Paper 013	ENG	[-800 to 800 / 0 / 0.025%]
2-951-	Face Sub Mag set & Adj	Custom Paper 014	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				0.025%]
2-951-015	Face Sub Mag set & Adj	Custom Paper 015	ENG	[-800 to 800 / 0 / 0.025%]
2-951-016	Face Sub Mag set & Adj	Custom Paper 016	ENG	[-800 to 800 / 0 / 0.025%]
2-951-017	Face Sub Mag set & Adj	Custom Paper 017	ENG	[-800 to 800 / 0 / 0.025%]
2-951-018	Face Sub Mag set & Adj	Custom Paper 018	ENG	[-800 to 800 / 0 / 0.025%]
2-951-019	Face Sub Mag set & Adj	Custom Paper 019	ENG	[-800 to 800 / 0 / 0.025%]
2-951-020	Face Sub Mag set & Adj	Custom Paper 020	ENG	[-800 to 800 / 0 / 0.025%]
2-951-021	Face Sub Mag set & Adj	Custom Paper 021	ENG	[-800 to 800 / 0 / 0.025%]
2-951-022	Face Sub Mag set & Adj	Custom Paper 022	ENG	[-800 to 800 / 0 / 0.025%]
2-951-023	Face Sub Mag set & Adj	Custom Paper 023	ENG	[-800 to 800 / 0 / 0.025%]
2-951-024	Face Sub Mag set & Adj	Custom Paper 024	ENG	[-800 to 800 / 0 / 0.025%]
2-951-025	Face Sub Mag set & Adj	Custom Paper 025	ENG	[-800 to 800 / 0 / 0.025%]
2-951-026	Face Sub Mag set & Adj	Custom Paper 026	ENG	[-800 to 800 / 0 / 0.025%]
2-951-027	Face Sub Mag set & Adj	Custom Paper 027	ENG	[-800 to 800 / 0 / 0.025%]
2-951-028	Face Sub Mag set & Adj	Custom Paper 028	ENG	[-800 to 800 / 0 / 0.025%]
2-951-029	Face Sub Mag set & Adj	Custom Paper 029	ENG	[-800 to 800 / 0 / 0.025%]
2-951-030	Face Sub Mag set & Adj	Custom Paper 030	ENG	[-800 to 800 / 0 / 0.025%]
2-951-031	Face Sub Mag set & Adj	Custom Paper 031	ENG	[-800 to 800 / 0 / 0.025%]
2-951-	Face Sub Mag set & Adj	Custom Paper 032	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				0.025%]
2-951-033	Face Sub Mag set & Adj	Custom Paper 033	ENG	[-800 to 800 / 0 / 0.025%]
2-951-034	Face Sub Mag set & Adj	Custom Paper 034	ENG	[-800 to 800 / 0 / 0.025%]
2-951-035	Face Sub Mag set & Adj	Custom Paper 035	ENG	[-800 to 800 / 0 / 0.025%]
2-951-036	Face Sub Mag set & Adj	Custom Paper 036	ENG	[-800 to 800 / 0 / 0.025%]
2-951-037	Face Sub Mag set & Adj	Custom Paper 037	ENG	[-800 to 800 / 0 / 0.025%]
2-951-038	Face Sub Mag set & Adj	Custom Paper 038	ENG	[-800 to 800 / 0 / 0.025%]
2-951-039	Face Sub Mag set & Adj	Custom Paper 039	ENG	[-800 to 800 / 0 / 0.025%]
2-951-040	Face Sub Mag set & Adj	Custom Paper 040	ENG	[-800 to 800 / 0 / 0.025%]
2-951-041	Face Sub Mag set & Adj	Custom Paper 041	ENG	[-800 to 800 / 0 / 0.025%]
2-951-042	Face Sub Mag set & Adj	Custom Paper 042	ENG	[-800 to 800 / 0 / 0.025%]
2-951-043	Face Sub Mag set & Adj	Custom Paper 043	ENG	[-800 to 800 / 0 / 0.025%]
2-951-044	Face Sub Mag set & Adj	Custom Paper 044	ENG	[-800 to 800 / 0 / 0.025%]
2-951-045	Face Sub Mag set & Adj	Custom Paper 045	ENG	[-800 to 800 / 0 / 0.025%]
2-951-046	Face Sub Mag set & Adj	Custom Paper 046	ENG	[-800 to 800 / 0 / 0.025%]
2-951-047	Face Sub Mag set & Adj	Custom Paper 047	ENG	[-800 to 800 / 0 / 0.025%]
2-951-048	Face Sub Mag set & Adj	Custom Paper 048	ENG	[-800 to 800 / 0 / 0.025%]
2-951-049	Face Sub Mag set & Adj	Custom Paper 049	ENG	[-800 to 800 / 0 / 0.025%]
2-951-	Face Sub Mag set & Adj	Custom Paper 050	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				0.025%]
2-951-051	Face Sub Mag set & Adj	Custom Paper 051	ENG	[-800 to 800 / 0 / 0.025%]
2-951-052	Face Sub Mag set & Adj	Custom Paper 052	ENG	[-800 to 800 / 0 / 0.025%]
2-951-053	Face Sub Mag set & Adj	Custom Paper 053	ENG	[-800 to 800 / 0 / 0.025%]
2-951-054	Face Sub Mag set & Adj	Custom Paper 054	ENG	[-800 to 800 / 0 / 0.025%]
2-951-055	Face Sub Mag set & Adj	Custom Paper 055	ENG	[-800 to 800 / 0 / 0.025%]
2-951-056	Face Sub Mag set & Adj	Custom Paper 056	ENG	[-800 to 800 / 0 / 0.025%]
2-951-057	Face Sub Mag set & Adj	Custom Paper 057	ENG	[-800 to 800 / 0 / 0.025%]
2-951-058	Face Sub Mag set & Adj	Custom Paper 058	ENG	[-800 to 800 / 0 / 0.025%]
2-951-059	Face Sub Mag set & Adj	Custom Paper 059	ENG	[-800 to 800 / 0 / 0.025%]
2-951-060	Face Sub Mag set & Adj	Custom Paper 060	ENG	[-800 to 800 / 0 / 0.025%]
2-951-061	Face Sub Mag set & Adj	Custom Paper 061	ENG	[-800 to 800 / 0 / 0.025%]
2-951-062	Face Sub Mag set & Adj	Custom Paper 062	ENG	[-800 to 800 / 0 / 0.025%]
2-951-063	Face Sub Mag set & Adj	Custom Paper 063	ENG	[-800 to 800 / 0 / 0.025%]
2-951-064	Face Sub Mag set & Adj	Custom Paper 064	ENG	[-800 to 800 / 0 / 0.025%]
2-951-065	Face Sub Mag set & Adj	Custom Paper 065	ENG	[-800 to 800 / 0 / 0.025%]
2-951-066	Face Sub Mag set & Adj	Custom Paper 066	ENG	[-800 to 800 / 0 / 0.025%]
2-951-067	Face Sub Mag set & Adj	Custom Paper 067	ENG	[-800 to 800 / 0 / 0.025%]
2-951-	Face Sub Mag set & Adj	Custom Paper 068	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068				0.025%]
2-951-069	Face Sub Mag set & Adj	Custom Paper 069	ENG	[-800 to 800 / 0 / 0.025%]
2-951-070	Face Sub Mag set & Adj	Custom Paper 070	ENG	[-800 to 800 / 0 / 0.025%]
2-951-071	Face Sub Mag set & Adj	Custom Paper 071	ENG	[-800 to 800 / 0 / 0.025%]
2-951-072	Face Sub Mag set & Adj	Custom Paper 072	ENG	[-800 to 800 / 0 / 0.025%]
2-951-073	Face Sub Mag set & Adj	Custom Paper 073	ENG	[-800 to 800 / 0 / 0.025%]
2-951-074	Face Sub Mag set & Adj	Custom Paper 074	ENG	[-800 to 800 / 0 / 0.025%]
2-951-075	Face Sub Mag set & Adj	Custom Paper 075	ENG	[-800 to 800 / 0 / 0.025%]
2-951-076	Face Sub Mag set & Adj	Custom Paper 076	ENG	[-800 to 800 / 0 / 0.025%]
2-951-077	Face Sub Mag set & Adj	Custom Paper 077	ENG	[-800 to 800 / 0 / 0.025%]
2-951-078	Face Sub Mag set & Adj	Custom Paper 078	ENG	[-800 to 800 / 0 / 0.025%]
2-951-079	Face Sub Mag set & Adj	Custom Paper 079	ENG	[-800 to 800 / 0 / 0.025%]
2-951-080	Face Sub Mag set & Adj	Custom Paper 080	ENG	[-800 to 800 / 0 / 0.025%]
2-951-081	Face Sub Mag set & Adj	Custom Paper 081	ENG	[-800 to 800 / 0 / 0.025%]
2-951-082	Face Sub Mag set & Adj	Custom Paper 082	ENG	[-800 to 800 / 0 / 0.025%]
2-951-083	Face Sub Mag set & Adj	Custom Paper 083	ENG	[-800 to 800 / 0 / 0.025%]
2-951-084	Face Sub Mag set & Adj	Custom Paper 084	ENG	[-800 to 800 / 0 / 0.025%]
2-951-085	Face Sub Mag set & Adj	Custom Paper 085	ENG	[-800 to 800 / 0 / 0.025%]
2-951-	Face Sub Mag set & Adj	Custom Paper 086	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086				0.025%]
2-951-087	Face Sub Mag set & Adj	Custom Paper 087	ENG	[-800 to 800 / 0 / 0.025%]
2-951-088	Face Sub Mag set & Adj	Custom Paper 088	ENG	[-800 to 800 / 0 / 0.025%]
2-951-089	Face Sub Mag set & Adj	Custom Paper 089	ENG	[-800 to 800 / 0 / 0.025%]
2-951-090	Face Sub Mag set & Adj	Custom Paper 090	ENG	[-800 to 800 / 0 / 0.025%]
2-951-091	Face Sub Mag set & Adj	Custom Paper 091	ENG	[-800 to 800 / 0 / 0.025%]
2-951-092	Face Sub Mag set & Adj	Custom Paper 092	ENG	[-800 to 800 / 0 / 0.025%]
2-951-093	Face Sub Mag set & Adj	Custom Paper 093	ENG	[-800 to 800 / 0 / 0.025%]
2-951-094	Face Sub Mag set & Adj	Custom Paper 094	ENG	[-800 to 800 / 0 / 0.025%]
2-951-095	Face Sub Mag set & Adj	Custom Paper 095	ENG	[-800 to 800 / 0 / 0.025%]
2-951-096	Face Sub Mag set & Adj	Custom Paper 096	ENG	[-800 to 800 / 0 / 0.025%]
2-951-097	Face Sub Mag set & Adj	Custom Paper 097	ENG	[-800 to 800 / 0 / 0.025%]
2-951-098	Face Sub Mag set & Adj	Custom Paper 098	ENG	[-800 to 800 / 0 / 0.025%]
2-951-099	Face Sub Mag set & Adj	Custom Paper 099	ENG	[-800 to 800 / 0 / 0.025%]
2-951-100	Face Sub Mag set & Adj	Custom Paper 100	ENG	[-800 to 800 / 0 / 0.025%]
2-952-001	Verso Main Mag set & Adj	Custom Paper 001	ENG	[-800 to 800 / 0 / 0.025%]
2-952-002	Verso Main Mag set & Adj	Custom Paper 002	ENG	[-800 to 800 / 0 / 0.025%]
2-952-003	Verso Main Mag set & Adj	Custom Paper 003	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 004	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Adj			0.025%]
2-952-005	Verso Main Mag set & Adj	Custom Paper 005	ENG	[-800 to 800 / 0 / 0.025%]
2-952-006	Verso Main Mag set & Adj	Custom Paper 006	ENG	[-800 to 800 / 0 / 0.025%]
2-952-007	Verso Main Mag set & Adj	Custom Paper 007	ENG	[-800 to 800 / 0 / 0.025%]
2-952-008	Verso Main Mag set & Adj	Custom Paper 008	ENG	[-800 to 800 / 0 / 0.025%]
2-952-009	Verso Main Mag set & Adj	Custom Paper 009	ENG	[-800 to 800 / 0 / 0.025%]
2-952-010	Verso Main Mag set & Adj	Custom Paper 010	ENG	[-800 to 800 / 0 / 0.025%]
2-952-011	Verso Main Mag set & Adj	Custom Paper 011	ENG	[-800 to 800 / 0 / 0.025%]
2-952-012	Verso Main Mag set & Adj	Custom Paper 012	ENG	[-800 to 800 / 0 / 0.025%]
2-952-013	Verso Main Mag set & Adj	Custom Paper 013	ENG	[-800 to 800 / 0 / 0.025%]
2-952-014	Verso Main Mag set & Adj	Custom Paper 014	ENG	[-800 to 800 / 0 / 0.025%]
2-952-015	Verso Main Mag set & Adj	Custom Paper 015	ENG	[-800 to 800 / 0 / 0.025%]
2-952-016	Verso Main Mag set & Adj	Custom Paper 016	ENG	[-800 to 800 / 0 / 0.025%]
2-952-017	Verso Main Mag set & Adj	Custom Paper 017	ENG	[-800 to 800 / 0 / 0.025%]
2-952-018	Verso Main Mag set & Adj	Custom Paper 018	ENG	[-800 to 800 / 0 / 0.025%]
2-952-019	Verso Main Mag set & Adj	Custom Paper 019	ENG	[-800 to 800 / 0 / 0.025%]
2-952-020	Verso Main Mag set & Adj	Custom Paper 020	ENG	[-800 to 800 / 0 / 0.025%]
2-952-021	Verso Main Mag set & Adj	Custom Paper 021	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 022	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022	Adj			0.025%]
2-952-023	Verso Main Mag set & Adj	Custom Paper 023	ENG	[-800 to 800 / 0 / 0.025%]
2-952-024	Verso Main Mag set & Adj	Custom Paper 024	ENG	[-800 to 800 / 0 / 0.025%]
2-952-025	Verso Main Mag set & Adj	Custom Paper 025	ENG	[-800 to 800 / 0 / 0.025%]
2-952-026	Verso Main Mag set & Adj	Custom Paper 026	ENG	[-800 to 800 / 0 / 0.025%]
2-952-027	Verso Main Mag set & Adj	Custom Paper 027	ENG	[-800 to 800 / 0 / 0.025%]
2-952-028	Verso Main Mag set & Adj	Custom Paper 028	ENG	[-800 to 800 / 0 / 0.025%]
2-952-029	Verso Main Mag set & Adj	Custom Paper 029	ENG	[-800 to 800 / 0 / 0.025%]
2-952-030	Verso Main Mag set & Adj	Custom Paper 030	ENG	[-800 to 800 / 0 / 0.025%]
2-952-031	Verso Main Mag set & Adj	Custom Paper 031	ENG	[-800 to 800 / 0 / 0.025%]
2-952-032	Verso Main Mag set & Adj	Custom Paper 032	ENG	[-800 to 800 / 0 / 0.025%]
2-952-033	Verso Main Mag set & Adj	Custom Paper 033	ENG	[-800 to 800 / 0 / 0.025%]
2-952-034	Verso Main Mag set & Adj	Custom Paper 034	ENG	[-800 to 800 / 0 / 0.025%]
2-952-035	Verso Main Mag set & Adj	Custom Paper 035	ENG	[-800 to 800 / 0 / 0.025%]
2-952-036	Verso Main Mag set & Adj	Custom Paper 036	ENG	[-800 to 800 / 0 / 0.025%]
2-952-037	Verso Main Mag set & Adj	Custom Paper 037	ENG	[-800 to 800 / 0 / 0.025%]
2-952-038	Verso Main Mag set & Adj	Custom Paper 038	ENG	[-800 to 800 / 0 / 0.025%]
2-952-039	Verso Main Mag set & Adj	Custom Paper 039	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 040	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040	Adj			0.025%]
2-952-041	Verso Main Mag set & Adj	Custom Paper 041	ENG	[-800 to 800 / 0 / 0.025%]
2-952-042	Verso Main Mag set & Adj	Custom Paper 042	ENG	[-800 to 800 / 0 / 0.025%]
2-952-043	Verso Main Mag set & Adj	Custom Paper 043	ENG	[-800 to 800 / 0 / 0.025%]
2-952-044	Verso Main Mag set & Adj	Custom Paper 044	ENG	[-800 to 800 / 0 / 0.025%]
2-952-045	Verso Main Mag set & Adj	Custom Paper 045	ENG	[-800 to 800 / 0 / 0.025%]
2-952-046	Verso Main Mag set & Adj	Custom Paper 046	ENG	[-800 to 800 / 0 / 0.025%]
2-952-047	Verso Main Mag set & Adj	Custom Paper 047	ENG	[-800 to 800 / 0 / 0.025%]
2-952-048	Verso Main Mag set & Adj	Custom Paper 048	ENG	[-800 to 800 / 0 / 0.025%]
2-952-049	Verso Main Mag set & Adj	Custom Paper 049	ENG	[-800 to 800 / 0 / 0.025%]
2-952-050	Verso Main Mag set & Adj	Custom Paper 050	ENG	[-800 to 800 / 0 / 0.025%]
2-952-051	Verso Main Mag set & Adj	Custom Paper 051	ENG	[-800 to 800 / 0 / 0.025%]
2-952-052	Verso Main Mag set & Adj	Custom Paper 052	ENG	[-800 to 800 / 0 / 0.025%]
2-952-053	Verso Main Mag set & Adj	Custom Paper 053	ENG	[-800 to 800 / 0 / 0.025%]
2-952-054	Verso Main Mag set & Adj	Custom Paper 054	ENG	[-800 to 800 / 0 / 0.025%]
2-952-055	Verso Main Mag set & Adj	Custom Paper 055	ENG	[-800 to 800 / 0 / 0.025%]
2-952-056	Verso Main Mag set & Adj	Custom Paper 056	ENG	[-800 to 800 / 0 / 0.025%]
2-952-057	Verso Main Mag set & Adj	Custom Paper 057	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 058	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058	Adj			0.025%]
2-952-059	Verso Main Mag set & Adj	Custom Paper 059	ENG	[-800 to 800 / 0 / 0.025%]
2-952-060	Verso Main Mag set & Adj	Custom Paper 060	ENG	[-800 to 800 / 0 / 0.025%]
2-952-061	Verso Main Mag set & Adj	Custom Paper 061	ENG	[-800 to 800 / 0 / 0.025%]
2-952-062	Verso Main Mag set & Adj	Custom Paper 062	ENG	[-800 to 800 / 0 / 0.025%]
2-952-063	Verso Main Mag set & Adj	Custom Paper 063	ENG	[-800 to 800 / 0 / 0.025%]
2-952-064	Verso Main Mag set & Adj	Custom Paper 064	ENG	[-800 to 800 / 0 / 0.025%]
2-952-065	Verso Main Mag set & Adj	Custom Paper 065	ENG	[-800 to 800 / 0 / 0.025%]
2-952-066	Verso Main Mag set & Adj	Custom Paper 066	ENG	[-800 to 800 / 0 / 0.025%]
2-952-067	Verso Main Mag set & Adj	Custom Paper 067	ENG	[-800 to 800 / 0 / 0.025%]
2-952-068	Verso Main Mag set & Adj	Custom Paper 068	ENG	[-800 to 800 / 0 / 0.025%]
2-952-069	Verso Main Mag set & Adj	Custom Paper 069	ENG	[-800 to 800 / 0 / 0.025%]
2-952-070	Verso Main Mag set & Adj	Custom Paper 070	ENG	[-800 to 800 / 0 / 0.025%]
2-952-071	Verso Main Mag set & Adj	Custom Paper 071	ENG	[-800 to 800 / 0 / 0.025%]
2-952-072	Verso Main Mag set & Adj	Custom Paper 072	ENG	[-800 to 800 / 0 / 0.025%]
2-952-073	Verso Main Mag set & Adj	Custom Paper 073	ENG	[-800 to 800 / 0 / 0.025%]
2-952-074	Verso Main Mag set & Adj	Custom Paper 074	ENG	[-800 to 800 / 0 / 0.025%]
2-952-075	Verso Main Mag set & Adj	Custom Paper 075	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 076	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076	Adj			0.025%]
2-952-077	Verso Main Mag set & Adj	Custom Paper 077	ENG	[-800 to 800 / 0 / 0.025%]
2-952-078	Verso Main Mag set & Adj	Custom Paper 078	ENG	[-800 to 800 / 0 / 0.025%]
2-952-079	Verso Main Mag set & Adj	Custom Paper 079	ENG	[-800 to 800 / 0 / 0.025%]
2-952-080	Verso Main Mag set & Adj	Custom Paper 080	ENG	[-800 to 800 / 0 / 0.025%]
2-952-081	Verso Main Mag set & Adj	Custom Paper 081	ENG	[-800 to 800 / 0 / 0.025%]
2-952-082	Verso Main Mag set & Adj	Custom Paper 082	ENG	[-800 to 800 / 0 / 0.025%]
2-952-083	Verso Main Mag set & Adj	Custom Paper 083	ENG	[-800 to 800 / 0 / 0.025%]
2-952-084	Verso Main Mag set & Adj	Custom Paper 084	ENG	[-800 to 800 / 0 / 0.025%]
2-952-085	Verso Main Mag set & Adj	Custom Paper 085	ENG	[-800 to 800 / 0 / 0.025%]
2-952-086	Verso Main Mag set & Adj	Custom Paper 086	ENG	[-800 to 800 / 0 / 0.025%]
2-952-087	Verso Main Mag set & Adj	Custom Paper 087	ENG	[-800 to 800 / 0 / 0.025%]
2-952-088	Verso Main Mag set & Adj	Custom Paper 088	ENG	[-800 to 800 / 0 / 0.025%]
2-952-089	Verso Main Mag set & Adj	Custom Paper 089	ENG	[-800 to 800 / 0 / 0.025%]
2-952-090	Verso Main Mag set & Adj	Custom Paper 090	ENG	[-800 to 800 / 0 / 0.025%]
2-952-091	Verso Main Mag set & Adj	Custom Paper 091	ENG	[-800 to 800 / 0 / 0.025%]
2-952-092	Verso Main Mag set & Adj	Custom Paper 092	ENG	[-800 to 800 / 0 / 0.025%]
2-952-093	Verso Main Mag set & Adj	Custom Paper 093	ENG	[-800 to 800 / 0 / 0.025%]
2-952-	Verso Main Mag set &	Custom Paper 094	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
094	Adj			0.025%]
2-952-095	Verso Main Mag set & Adj	Custom Paper 095	ENG	[-800 to 800 / 0 / 0.025%]
2-952-096	Verso Main Mag set & Adj	Custom Paper 096	ENG	[-800 to 800 / 0 / 0.025%]
2-952-097	Verso Main Mag set & Adj	Custom Paper 097	ENG	[-800 to 800 / 0 / 0.025%]
2-952-098	Verso Main Mag set & Adj	Custom Paper 098	ENG	[-800 to 800 / 0 / 0.025%]
2-952-099	Verso Main Mag set & Adj	Custom Paper 099	ENG	[-800 to 800 / 0 / 0.025%]
2-952-100	Verso Main Mag set & Adj	Custom Paper 100	ENG	[-800 to 800 / 0 / 0.025%]
2-953-001	Verso Sub Mag set & Adj	Custom Paper 001	ENG	[-800 to 800 / 0 / 0.025%]
2-953-002	Verso Sub Mag set & Adj	Custom Paper 002	ENG	[-800 to 800 / 0 / 0.025%]
2-953-003	Verso Sub Mag set & Adj	Custom Paper 003	ENG	[-800 to 800 / 0 / 0.025%]
2-953-004	Verso Sub Mag set & Adj	Custom Paper 004	ENG	[-800 to 800 / 0 / 0.025%]
2-953-005	Verso Sub Mag set & Adj	Custom Paper 005	ENG	[-800 to 800 / 0 / 0.025%]
2-953-006	Verso Sub Mag set & Adj	Custom Paper 006	ENG	[-800 to 800 / 0 / 0.025%]
2-953-007	Verso Sub Mag set & Adj	Custom Paper 007	ENG	[-800 to 800 / 0 / 0.025%]
2-953-008	Verso Sub Mag set & Adj	Custom Paper 008	ENG	[-800 to 800 / 0 / 0.025%]
2-953-009	Verso Sub Mag set & Adj	Custom Paper 009	ENG	[-800 to 800 / 0 / 0.025%]
2-953-010	Verso Sub Mag set & Adj	Custom Paper 010	ENG	[-800 to 800 / 0 / 0.025%]
2-953-011	Verso Sub Mag set & Adj	Custom Paper 011	ENG	[-800 to 800 / 0 / 0.025%]
2-953-	Verso Sub Mag set &	Custom Paper 012	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Adj			0.025%]
2-953-013	Verso Sub Mag set & Adj	Custom Paper 013	ENG	[-800 to 800 / 0 / 0.025%]
2-953-014	Verso Sub Mag set & Adj	Custom Paper 014	ENG	[-800 to 800 / 0 / 0.025%]
2-953-015	Verso Sub Mag set & Adj	Custom Paper 015	ENG	[-800 to 800 / 0 / 0.025%]
2-953-016	Verso Sub Mag set & Adj	Custom Paper 016	ENG	[-800 to 800 / 0 / 0.025%]
2-953-017	Verso Sub Mag set & Adj	Custom Paper 017	ENG	[-800 to 800 / 0 / 0.025%]
2-953-018	Verso Sub Mag set & Adj	Custom Paper 018	ENG	[-800 to 800 / 0 / 0.025%]
2-953-019	Verso Sub Mag set & Adj	Custom Paper 019	ENG	[-800 to 800 / 0 / 0.025%]
2-953-020	Verso Sub Mag set & Adj	Custom Paper 020	ENG	[-800 to 800 / 0 / 0.025%]
2-953-021	Verso Sub Mag set & Adj	Custom Paper 021	ENG	[-800 to 800 / 0 / 0.025%]
2-953-022	Verso Sub Mag set & Adj	Custom Paper 022	ENG	[-800 to 800 / 0 / 0.025%]
2-953-023	Verso Sub Mag set & Adj	Custom Paper 023	ENG	[-800 to 800 / 0 / 0.025%]
2-953-024	Verso Sub Mag set & Adj	Custom Paper 024	ENG	[-800 to 800 / 0 / 0.025%]
2-953-025	Verso Sub Mag set & Adj	Custom Paper 025	ENG	[-800 to 800 / 0 / 0.025%]
2-953-026	Verso Sub Mag set & Adj	Custom Paper 026	ENG	[-800 to 800 / 0 / 0.025%]
2-953-027	Verso Sub Mag set & Adj	Custom Paper 027	ENG	[-800 to 800 / 0 / 0.025%]
2-953-028	Verso Sub Mag set & Adj	Custom Paper 028	ENG	[-800 to 800 / 0 / 0.025%]
2-953-029	Verso Sub Mag set & Adj	Custom Paper 029	ENG	[-800 to 800 / 0 / 0.025%]
2-953-	Verso Sub Mag set &	Custom Paper 030	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030	Adj			0.025%]
2-953-031	Verso Sub Mag set & Adj	Custom Paper 031	ENG	[-800 to 800 / 0 / 0.025%]
2-953-032	Verso Sub Mag set & Adj	Custom Paper 032	ENG	[-800 to 800 / 0 / 0.025%]
2-953-033	Verso Sub Mag set & Adj	Custom Paper 033	ENG	[-800 to 800 / 0 / 0.025%]
2-953-034	Verso Sub Mag set & Adj	Custom Paper 034	ENG	[-800 to 800 / 0 / 0.025%]
2-953-035	Verso Sub Mag set & Adj	Custom Paper 035	ENG	[-800 to 800 / 0 / 0.025%]
2-953-036	Verso Sub Mag set & Adj	Custom Paper 036	ENG	[-800 to 800 / 0 / 0.025%]
2-953-037	Verso Sub Mag set & Adj	Custom Paper 037	ENG	[-800 to 800 / 0 / 0.025%]
2-953-038	Verso Sub Mag set & Adj	Custom Paper 038	ENG	[-800 to 800 / 0 / 0.025%]
2-953-039	Verso Sub Mag set & Adj	Custom Paper 039	ENG	[-800 to 800 / 0 / 0.025%]
2-953-040	Verso Sub Mag set & Adj	Custom Paper 040	ENG	[-800 to 800 / 0 / 0.025%]
2-953-041	Verso Sub Mag set & Adj	Custom Paper 041	ENG	[-800 to 800 / 0 / 0.025%]
2-953-042	Verso Sub Mag set & Adj	Custom Paper 042	ENG	[-800 to 800 / 0 / 0.025%]
2-953-043	Verso Sub Mag set & Adj	Custom Paper 043	ENG	[-800 to 800 / 0 / 0.025%]
2-953-044	Verso Sub Mag set & Adj	Custom Paper 044	ENG	[-800 to 800 / 0 / 0.025%]
2-953-045	Verso Sub Mag set & Adj	Custom Paper 045	ENG	[-800 to 800 / 0 / 0.025%]
2-953-046	Verso Sub Mag set & Adj	Custom Paper 046	ENG	[-800 to 800 / 0 / 0.025%]
2-953-047	Verso Sub Mag set & Adj	Custom Paper 047	ENG	[-800 to 800 / 0 / 0.025%]
2-953-	Verso Sub Mag set &	Custom Paper 048	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
048	Adj			0.025%]
2-953-049	Verso Sub Mag set & Adj	Custom Paper 049	ENG	[-800 to 800 / 0 / 0.025%]
2-953-050	Verso Sub Mag set & Adj	Custom Paper 050	ENG	[-800 to 800 / 0 / 0.025%]
2-953-051	Verso Sub Mag set & Adj	Custom Paper 051	ENG	[-800 to 800 / 0 / 0.025%]
2-953-052	Verso Sub Mag set & Adj	Custom Paper 052	ENG	[-800 to 800 / 0 / 0.025%]
2-953-053	Verso Sub Mag set & Adj	Custom Paper 053	ENG	[-800 to 800 / 0 / 0.025%]
2-953-054	Verso Sub Mag set & Adj	Custom Paper 054	ENG	[-800 to 800 / 0 / 0.025%]
2-953-055	Verso Sub Mag set & Adj	Custom Paper 055	ENG	[-800 to 800 / 0 / 0.025%]
2-953-056	Verso Sub Mag set & Adj	Custom Paper 056	ENG	[-800 to 800 / 0 / 0.025%]
2-953-057	Verso Sub Mag set & Adj	Custom Paper 057	ENG	[-800 to 800 / 0 / 0.025%]
2-953-058	Verso Sub Mag set & Adj	Custom Paper 058	ENG	[-800 to 800 / 0 / 0.025%]
2-953-059	Verso Sub Mag set & Adj	Custom Paper 059	ENG	[-800 to 800 / 0 / 0.025%]
2-953-060	Verso Sub Mag set & Adj	Custom Paper 060	ENG	[-800 to 800 / 0 / 0.025%]
2-953-061	Verso Sub Mag set & Adj	Custom Paper 061	ENG	[-800 to 800 / 0 / 0.025%]
2-953-062	Verso Sub Mag set & Adj	Custom Paper 062	ENG	[-800 to 800 / 0 / 0.025%]
2-953-063	Verso Sub Mag set & Adj	Custom Paper 063	ENG	[-800 to 800 / 0 / 0.025%]
2-953-064	Verso Sub Mag set & Adj	Custom Paper 064	ENG	[-800 to 800 / 0 / 0.025%]
2-953-065	Verso Sub Mag set & Adj	Custom Paper 065	ENG	[-800 to 800 / 0 / 0.025%]
2-953-	Verso Sub Mag set &	Custom Paper 066	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
066	Adj			0.025%]
2-953-067	Verso Sub Mag set & Adj	Custom Paper 067	ENG	[-800 to 800 / 0 / 0.025%]
2-953-068	Verso Sub Mag set & Adj	Custom Paper 068	ENG	[-800 to 800 / 0 / 0.025%]
2-953-069	Verso Sub Mag set & Adj	Custom Paper 069	ENG	[-800 to 800 / 0 / 0.025%]
2-953-070	Verso Sub Mag set & Adj	Custom Paper 070	ENG	[-800 to 800 / 0 / 0.025%]
2-953-071	Verso Sub Mag set & Adj	Custom Paper 071	ENG	[-800 to 800 / 0 / 0.025%]
2-953-072	Verso Sub Mag set & Adj	Custom Paper 072	ENG	[-800 to 800 / 0 / 0.025%]
2-953-073	Verso Sub Mag set & Adj	Custom Paper 073	ENG	[-800 to 800 / 0 / 0.025%]
2-953-074	Verso Sub Mag set & Adj	Custom Paper 074	ENG	[-800 to 800 / 0 / 0.025%]
2-953-075	Verso Sub Mag set & Adj	Custom Paper 075	ENG	[-800 to 800 / 0 / 0.025%]
2-953-076	Verso Sub Mag set & Adj	Custom Paper 076	ENG	[-800 to 800 / 0 / 0.025%]
2-953-077	Verso Sub Mag set & Adj	Custom Paper 077	ENG	[-800 to 800 / 0 / 0.025%]
2-953-078	Verso Sub Mag set & Adj	Custom Paper 078	ENG	[-800 to 800 / 0 / 0.025%]
2-953-079	Verso Sub Mag set & Adj	Custom Paper 079	ENG	[-800 to 800 / 0 / 0.025%]
2-953-080	Verso Sub Mag set & Adj	Custom Paper 080	ENG	[-800 to 800 / 0 / 0.025%]
2-953-081	Verso Sub Mag set & Adj	Custom Paper 081	ENG	[-800 to 800 / 0 / 0.025%]
2-953-082	Verso Sub Mag set & Adj	Custom Paper 082	ENG	[-800 to 800 / 0 / 0.025%]
2-953-083	Verso Sub Mag set & Adj	Custom Paper 083	ENG	[-800 to 800 / 0 / 0.025%]
2-953-	Verso Sub Mag set &	Custom Paper 084	ENG	[-800 to 800 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
084	Adj			0.025%]
2-953-085	Verso Sub Mag set & Adj	Custom Paper 085	ENG	[-800 to 800 / 0 / 0.025%]
2-953-086	Verso Sub Mag set & Adj	Custom Paper 086	ENG	[-800 to 800 / 0 / 0.025%]
2-953-087	Verso Sub Mag set & Adj	Custom Paper 087	ENG	[-800 to 800 / 0 / 0.025%]
2-953-088	Verso Sub Mag set & Adj	Custom Paper 088	ENG	[-800 to 800 / 0 / 0.025%]
2-953-089	Verso Sub Mag set & Adj	Custom Paper 089	ENG	[-800 to 800 / 0 / 0.025%]
2-953-090	Verso Sub Mag set & Adj	Custom Paper 090	ENG	[-800 to 800 / 0 / 0.025%]
2-953-091	Verso Sub Mag set & Adj	Custom Paper 091	ENG	[-800 to 800 / 0 / 0.025%]
2-953-092	Verso Sub Mag set & Adj	Custom Paper 092	ENG	[-800 to 800 / 0 / 0.025%]
2-953-093	Verso Sub Mag set & Adj	Custom Paper 093	ENG	[-800 to 800 / 0 / 0.025%]
2-953-094	Verso Sub Mag set & Adj	Custom Paper 094	ENG	[-800 to 800 / 0 / 0.025%]
2-953-095	Verso Sub Mag set & Adj	Custom Paper 095	ENG	[-800 to 800 / 0 / 0.025%]
2-953-096	Verso Sub Mag set & Adj	Custom Paper 096	ENG	[-800 to 800 / 0 / 0.025%]
2-953-097	Verso Sub Mag set & Adj	Custom Paper 097	ENG	[-800 to 800 / 0 / 0.025%]
2-953-098	Verso Sub Mag set & Adj	Custom Paper 098	ENG	[-800 to 800 / 0 / 0.025%]
2-953-099	Verso Sub Mag set & Adj	Custom Paper 099	ENG	[-800 to 800 / 0 / 0.025%]
2-953-100	Verso Sub Mag set & Adj	Custom Paper 100	ENG	[-800 to 800 / 0 / 0.025%]
2-981-001	PTR Speed Control	Custom Paper 001	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 002	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
2-981-003	PTR Speed Control	Custom Paper 003	ENG	[-10 to 10 / 0 / 0.1%]
2-981-004	PTR Speed Control	Custom Paper 004	ENG	[-10 to 10 / 0 / 0.1%]
2-981-005	PTR Speed Control	Custom Paper 005	ENG	[-10 to 10 / 0 / 0.1%]
2-981-006	PTR Speed Control	Custom Paper 006	ENG	[-10 to 10 / 0 / 0.1%]
2-981-007	PTR Speed Control	Custom Paper 007	ENG	[-10 to 10 / 0 / 0.1%]
2-981-008	PTR Speed Control	Custom Paper 008	ENG	[-10 to 10 / 0 / 0.1%]
2-981-009	PTR Speed Control	Custom Paper 009	ENG	[-10 to 10 / 0 / 0.1%]
2-981-010	PTR Speed Control	Custom Paper 010	ENG	[-10 to 10 / 0 / 0.1%]
2-981-011	PTR Speed Control	Custom Paper 011	ENG	[-10 to 10 / 0 / 0.1%]
2-981-012	PTR Speed Control	Custom Paper 012	ENG	[-10 to 10 / 0 / 0.1%]
2-981-013	PTR Speed Control	Custom Paper 013	ENG	[-10 to 10 / 0 / 0.1%]
2-981-014	PTR Speed Control	Custom Paper 014	ENG	[-10 to 10 / 0 / 0.1%]
2-981-015	PTR Speed Control	Custom Paper 015	ENG	[-10 to 10 / 0 / 0.1%]
2-981-016	PTR Speed Control	Custom Paper 016	ENG	[-10 to 10 / 0 / 0.1%]
2-981-017	PTR Speed Control	Custom Paper 017	ENG	[-10 to 10 / 0 / 0.1%]
2-981-018	PTR Speed Control	Custom Paper 018	ENG	[-10 to 10 / 0 / 0.1%]
2-981-019	PTR Speed Control	Custom Paper 019	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 020	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
2-981-021	PTR Speed Control	Custom Paper 021	ENG	[-10 to 10 / 0 / 0.1%]
2-981-022	PTR Speed Control	Custom Paper 022	ENG	[-10 to 10 / 0 / 0.1%]
2-981-023	PTR Speed Control	Custom Paper 023	ENG	[-10 to 10 / 0 / 0.1%]
2-981-024	PTR Speed Control	Custom Paper 024	ENG	[-10 to 10 / 0 / 0.1%]
2-981-025	PTR Speed Control	Custom Paper 025	ENG	[-10 to 10 / 0 / 0.1%]
2-981-026	PTR Speed Control	Custom Paper 026	ENG	[-10 to 10 / 0 / 0.1%]
2-981-027	PTR Speed Control	Custom Paper 027	ENG	[-10 to 10 / 0 / 0.1%]
2-981-028	PTR Speed Control	Custom Paper 028	ENG	[-10 to 10 / 0 / 0.1%]
2-981-029	PTR Speed Control	Custom Paper 029	ENG	[-10 to 10 / 0 / 0.1%]
2-981-030	PTR Speed Control	Custom Paper 030	ENG	[-10 to 10 / 0 / 0.1%]
2-981-031	PTR Speed Control	Custom Paper 031	ENG	[-10 to 10 / 0 / 0.1%]
2-981-032	PTR Speed Control	Custom Paper 032	ENG	[-10 to 10 / 0 / 0.1%]
2-981-033	PTR Speed Control	Custom Paper 033	ENG	[-10 to 10 / 0 / 0.1%]
2-981-034	PTR Speed Control	Custom Paper 034	ENG	[-10 to 10 / 0 / 0.1%]
2-981-035	PTR Speed Control	Custom Paper 035	ENG	[-10 to 10 / 0 / 0.1%]
2-981-036	PTR Speed Control	Custom Paper 036	ENG	[-10 to 10 / 0 / 0.1%]
2-981-037	PTR Speed Control	Custom Paper 037	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 038	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
2-981-039	PTR Speed Control	Custom Paper 039	ENG	[-10 to 10 / 0 / 0.1%]
2-981-040	PTR Speed Control	Custom Paper 040	ENG	[-10 to 10 / 0 / 0.1%]
2-981-041	PTR Speed Control	Custom Paper 041	ENG	[-10 to 10 / 0 / 0.1%]
2-981-042	PTR Speed Control	Custom Paper 042	ENG	[-10 to 10 / 0 / 0.1%]
2-981-043	PTR Speed Control	Custom Paper 043	ENG	[-10 to 10 / 0 / 0.1%]
2-981-044	PTR Speed Control	Custom Paper 044	ENG	[-10 to 10 / 0 / 0.1%]
2-981-045	PTR Speed Control	Custom Paper 045	ENG	[-10 to 10 / 0 / 0.1%]
2-981-046	PTR Speed Control	Custom Paper 046	ENG	[-10 to 10 / 0 / 0.1%]
2-981-047	PTR Speed Control	Custom Paper 047	ENG	[-10 to 10 / 0 / 0.1%]
2-981-048	PTR Speed Control	Custom Paper 048	ENG	[-10 to 10 / 0 / 0.1%]
2-981-049	PTR Speed Control	Custom Paper 049	ENG	[-10 to 10 / 0 / 0.1%]
2-981-050	PTR Speed Control	Custom Paper 050	ENG	[-10 to 10 / 0 / 0.1%]
2-981-051	PTR Speed Control	Custom Paper 051	ENG	[-10 to 10 / 0 / 0.1%]
2-981-052	PTR Speed Control	Custom Paper 052	ENG	[-10 to 10 / 0 / 0.1%]
2-981-053	PTR Speed Control	Custom Paper 053	ENG	[-10 to 10 / 0 / 0.1%]
2-981-054	PTR Speed Control	Custom Paper 054	ENG	[-10 to 10 / 0 / 0.1%]
2-981-055	PTR Speed Control	Custom Paper 055	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 056	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				
2-981-057	PTR Speed Control	Custom Paper 057	ENG	[-10 to 10 / 0 / 0.1%]
2-981-058	PTR Speed Control	Custom Paper 058	ENG	[-10 to 10 / 0 / 0.1%]
2-981-059	PTR Speed Control	Custom Paper 059	ENG	[-10 to 10 / 0 / 0.1%]
2-981-060	PTR Speed Control	Custom Paper 060	ENG	[-10 to 10 / 0 / 0.1%]
2-981-061	PTR Speed Control	Custom Paper 061	ENG	[-10 to 10 / 0 / 0.1%]
2-981-062	PTR Speed Control	Custom Paper 062	ENG	[-10 to 10 / 0 / 0.1%]
2-981-063	PTR Speed Control	Custom Paper 063	ENG	[-10 to 10 / 0 / 0.1%]
2-981-064	PTR Speed Control	Custom Paper 064	ENG	[-10 to 10 / 0 / 0.1%]
2-981-065	PTR Speed Control	Custom Paper 065	ENG	[-10 to 10 / 0 / 0.1%]
2-981-066	PTR Speed Control	Custom Paper 066	ENG	[-10 to 10 / 0 / 0.1%]
2-981-067	PTR Speed Control	Custom Paper 067	ENG	[-10 to 10 / 0 / 0.1%]
2-981-068	PTR Speed Control	Custom Paper 068	ENG	[-10 to 10 / 0 / 0.1%]
2-981-069	PTR Speed Control	Custom Paper 069	ENG	[-10 to 10 / 0 / 0.1%]
2-981-070	PTR Speed Control	Custom Paper 070	ENG	[-10 to 10 / 0 / 0.1%]
2-981-071	PTR Speed Control	Custom Paper 071	ENG	[-10 to 10 / 0 / 0.1%]
2-981-072	PTR Speed Control	Custom Paper 072	ENG	[-10 to 10 / 0 / 0.1%]
2-981-073	PTR Speed Control	Custom Paper 073	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 074	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
074				
2-981-075	PTR Speed Control	Custom Paper 075	ENG	[-10 to 10 / 0 / 0.1%]
2-981-076	PTR Speed Control	Custom Paper 076	ENG	[-10 to 10 / 0 / 0.1%]
2-981-077	PTR Speed Control	Custom Paper 077	ENG	[-10 to 10 / 0 / 0.1%]
2-981-078	PTR Speed Control	Custom Paper 078	ENG	[-10 to 10 / 0 / 0.1%]
2-981-079	PTR Speed Control	Custom Paper 079	ENG	[-10 to 10 / 0 / 0.1%]
2-981-080	PTR Speed Control	Custom Paper 080	ENG	[-10 to 10 / 0 / 0.1%]
2-981-081	PTR Speed Control	Custom Paper 081	ENG	[-10 to 10 / 0 / 0.1%]
2-981-082	PTR Speed Control	Custom Paper 082	ENG	[-10 to 10 / 0 / 0.1%]
2-981-083	PTR Speed Control	Custom Paper 083	ENG	[-10 to 10 / 0 / 0.1%]
2-981-084	PTR Speed Control	Custom Paper 084	ENG	[-10 to 10 / 0 / 0.1%]
2-981-085	PTR Speed Control	Custom Paper 085	ENG	[-10 to 10 / 0 / 0.1%]
2-981-086	PTR Speed Control	Custom Paper 086	ENG	[-10 to 10 / 0 / 0.1%]
2-981-087	PTR Speed Control	Custom Paper 087	ENG	[-10 to 10 / 0 / 0.1%]
2-981-088	PTR Speed Control	Custom Paper 088	ENG	[-10 to 10 / 0 / 0.1%]
2-981-089	PTR Speed Control	Custom Paper 089	ENG	[-10 to 10 / 0 / 0.1%]
2-981-090	PTR Speed Control	Custom Paper 090	ENG	[-10 to 10 / 0 / 0.1%]
2-981-091	PTR Speed Control	Custom Paper 091	ENG	[-10 to 10 / 0 / 0.1%]
2-981-	PTR Speed Control	Custom Paper 092	ENG	[-10 to 10 / 0 / 0.1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
092				
2-981-093	PTR Speed Control	Custom Paper 093	ENG	[-10 to 10 / 0 / 0.1%]
2-981-094	PTR Speed Control	Custom Paper 094	ENG	[-10 to 10 / 0 / 0.1%]
2-981-095	PTR Speed Control	Custom Paper 095	ENG	[-10 to 10 / 0 / 0.1%]
2-981-096	PTR Speed Control	Custom Paper 096	ENG	[-10 to 10 / 0 / 0.1%]
2-981-097	PTR Speed Control	Custom Paper 097	ENG	[-10 to 10 / 0 / 0.1%]
2-981-098	PTR Speed Control	Custom Paper 098	ENG	[-10 to 10 / 0 / 0.1%]
2-981-099	PTR Speed Control	Custom Paper 099	ENG	[-10 to 10 / 0 / 0.1%]
2-981-100	PTR Speed Control	Custom Paper 100	ENG	[-10 to 10 / 0 / 0.1%]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-110-001	TNE Detect(Lvl1) :Set	OFF/ON	ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
3-110-011	TNE Detect(Lvl1) :Set	Disp Timing:K	ENG	[10 to 100 / 10 / 1%]
3-120-001	TNE Detect(Lvl2) :Set	Set Cnt	ENG	[0 to 999 / 650 / 1counts]
3-120-011	TNE Detect(Lvl2) :Set	Cnt:K	ENG	[0 to 5000 / 0 / 1counts]
3-130-001	TE Detect :Set	Set Sheets(Min)	ENG	[0 to 50 / 10 / 1sheets]
3-130-002	TE Detect :Set	Set Sheets(Max)	ENG	[0 to 5000 / 1000 / 1sheets]
3-130-011	TE Detect :Set	Page Cnt:K	ENG	[0 to 5000 / 0 / 1sheets]
3-130-021	TE Detect :Set	Set Pxl Cnt	ENG	[0 to 1000000 / 40000 / 1cm2]
3-130-031	TE Detect :Set	Pxl Cnt:K	ENG	[0 to 1000000 / 0 / 1cm2]
3-130-041	TE Detect :Set	Set Feed Cnt	ENG	[0 to 99999999 / 0 / 1msec]
3-130-051	TE Detect :Set	Feed Cnt:K	ENG	[0 to 99999999 / 0 / 1msec]
3-150-001	TE Sensor :Set	SamplingCount	ENG	[4 to 20 / 10 / 1counts]
3-150-002	TE Sensor :Set	Judge:p	ENG	[2 to 8 / 2 / 0.1]
3-152-010	Toner Pump CL :Set	Stop Timing :Set	ENG	[0 to 2000 / 0 / 1counts]
3-152-011	Toner Pump CL :Set	Cnt:K	ENG	[0 to 2000 / 0 / 1counts]
3-153-001	Feed Motor Drive Cntl:Set	Rotations	ENG	[0 to 7 / 2 / 1]
3-153-002	Agitator Motor Drive Cntl:Set	Rotations	ENG	[0 to 7 / 5 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-154-001	TNR Bottle Motor:cnt	MTR1 Lock Cnt	ENG	[0 to 255 / 0 / 1]
3-154-002	TNR Bottle Motor:cnt	MTR2 Lock Cnt	ENG	[0 to 255 / 0 / 1]
3-155-001	TNR Bottle Motor:cnt	MTR1 SC Cnt	ENG	[0 to 10 / 0 / 1]
3-155-002	TNR Bottle Motor:cnt	MTR2 SC Cnt	ENG	[0 to 10 / 0 / 1]
3-156-001	TNR Bottle Motor:cnt	Set SC Cnt	ENG	[0 to 10 / 2 / 1]
3-157-001	TNR Motor SC cancel	Execute	ENG	[0 to 1 / 0 / 0]
3-200-001	TnrDensity	K	ENG	[0 to 255 / 0 / 0.1wt%]
3-201-001	TnrDensity	Upper TC	ENG	[10 to 150 / 80 / 0.1wt%]
3-201-002	TnrDensity	Lower TC	ENG	[10 to 150 / 30 / 0.1wt%]
3-210-001	TD.Sens:Vt :Disp	Current: K	ENG	[0 to 550 / 0 / 0.01V]
3-220-001	Vtcnt :Disp/Set	Current: K	ENG	[200 to 500 / 372 / 0.01V]
3-220-011	Vtcnt :Disp/Set	Initial: K	ENG	[200 to 500 / 372 / 0.01V]
3-230-001	Vtref :Disp/Set	Current: K	ENG	[0 to 500 / 289 / 0.01V]
3-230-011	Vtref :Disp/Set	Initial: K	ENG	[0 to 500 / 289 / 0.01V]
3-230-021	Vtref :Disp/Set	Pixel Correction:	ENG	[-500 to 550 / 0 / 0.01V]
3-231-001	Vtref Limits :Set	Upper:K	ENG	[0 to 500 / 362 / 0.01V]
3-231-011	Vtref Limits :Set	Lower:K	ENG	[0 to 500 / 223 / 0.01V]
3-232-001	Vtref Correct:Pix	ON/OFF	ENG	[0 to 1 / 0 / 1] 0: NotExecute

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Execute
3-233-041	PPAT Vtref Corr :Disp/Set	Vtavg Rate(H)	ENG	[0 to 100 / 50 / 1%]
3-233-051	PPAT Vtref Corr :Disp/Set	Vtavg Rate(M)	ENG	[0 to 100 / 50 / 1%]
3-233-061	PPAT Vtref Corr :Disp/Set	Vtavg Rate(L)	ENG	[0 to 100 / 50 / 1%]
3-251-011	DotCoverage :Disp	DC Avg.:S:K	ENG	[0 to 10000 / 500 / 0.01%]
3-251-021	DotCoverage :Disp	DC Avg.:M:K	ENG	[0 to 10000 / 500 / 0.01%]
3-251-031	DotCoverage :Disp	DC Avg.:L:K	ENG	[0 to 10000 / 500 / 0.01%]
3-260-001	Temp/Humid(PCU)	Temperature	ENG	[0 to 100 / 0 / 1deg]
3-260-002	Temp/Humid(PCU)	Relative Humidity	ENG	[0 to 100 / 0 / 1%RH]
3-260-003	Temp/Humid(PCU)	Absolute Humidity	ENG	[0 to 6300 / 0 / 0.01g/m3]
3-261-001	Temp/Humid(Body)	Temperature	ENG	[0 to 100 / 0 / 1deg]
3-261-002	Temp/Humid(Body)	Relative Humidity	ENG	[0 to 100 / 0 / 1%RH]
3-261-003	Temp/Humid(Body)	Absolute Humidity	ENG	[0 to 6300 / 0 / 0.01g/m3]
3-262-001	Env Set:PCU	Forced Setting	ENG	[0 to 6 / 0 / 1] 0: Sencer Detect 1: LLL 2: LL 3: ML 4: MM 5: MH 6: HH
3-263-001	Env Set:Body	Forced Setting	ENG	[0 to 6 / 0 / 1] 0: Sencer Detect 1: LLL

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2: LL 3: ML 4: MM 5: MH 6: HH
3-264-002	Env Thresh:PCU	Abs Humid:2	ENG	[0 to 10000 / 500 / 0.01g/m3]
3-264-003	Env Thresh:PCU	Abs Humid:3	ENG	[0 to 10000 / 1000 / 0.01g/m3]
3-264-004	Env Thresh:PCU	Abs Humid:4	ENG	[0 to 10000 / 1800 / 0.01g/m3]
3-264-005	Env Thresh:PCU	Abs Humid:5	ENG	[0 to 10000 / 2500 / 0.01g/m3]
3-265-001	Env Thresh:Body	Abs Humid:1	ENG	[0 to 6300 / 250 / 0.01g/m3]
3-265-002	Env Thresh:Body	Abs Humid:2	ENG	[0 to 6300 / 500 / 0.01g/m3]
3-265-003	Env Thresh:Body	Abs Humid:3	ENG	[0 to 6300 / 840 / 0.01g/m3]
3-265-004	Env Thresh:Body	Abs Humid:4	ENG	[0 to 6300 / 1500 / 0.01g/m3]
3-265-005	Env Thresh:Body	Abs Humid:5	ENG	[0 to 6300 / 2400 / 0.01g/m3]
3-300-001	ID Pattern :Disp	M/A(Latest):K	ENG	[0 to 1000 / 0 / 0.001mg/cm2]
3-300-011	ID Pattern :Disp	M/A(Target):K	ENG	[0 to 1000 / 180 / 0.001mg/cm2]
3-300-021	ID Pattern :Disp	M/A(Target Corr Coef):K	ENG	[0 to 200 / 5 / 0.001mg/cm2]
3-300-101	ID Pattern :Disp	M/A(Latest):K	ENG	[0 to 1000 / 180 / 0.001mg/cm2]
3-301-021	ID Pattern :Set	M/A UppErr:K	ENG	[0 to 1000 / 600 / 0.001mg/cm2]
3-301-023	ID Pattern :Set	M/A LowErr:K	ENG	[0 to 1000 / 50 / 0.001mg/cm2]
3-301-	ID Pattern :Set	Feed Cnt :Set	ENG	[0 to 99999999 / 50000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				1ms]
3-301-041	ID Pattern :Set	Feed Cnt :K	ENG	[0 to 99999999 / 0 / 1ms]
3-301-081	ID Pattern :Set	Create Intrvl:	ENG	[0 to 65535 / 89 / 0.1s]
3-301-082	ID Pattern :Set	Create Intrvl:	ENG	[0 to 65535 / 89 / 0.1s]
3-301-091	ID Pattern :Set	Time Cnt :K	ENG	[0 to 65535 / 0 / 0.1s]
3-301-101	ID Pattern :Set	Create Intrvl:95ppm:K	ENG	[0 to 65535 / 125 / 0.1s]
3-301-111	ID Pattern :Set	Create Intrvl:110ppm:K	ENG	[0 to 65535 / 108 / 0.1s]
3-301-121	ID Pattern :Set	Create Intrvl:135ppm:K	ENG	[0 to 65535 / 88 / 0.1s]
3-301-131	ID Pattern :Set	Create Intrvl:150ppm:K	ENG	[0 to 65535 / 80 / 0.1s]
3-301-151	ID Pattern :Set	Create Intrvl:95ppm:K	ENG	[0 to 65535 / 125 / 0.1s]
3-301-161	ID Pattern :Set	Create Intrvl:110ppm:K	ENG	[0 to 65535 / 108 / 0.1s]
3-301-171	ID Pattern :Set	Create Intrvl:135ppm:K	ENG	[0 to 65535 / 88 / 0.1s]
3-301-181	ID Pattern :Set	Create Intrvl:150ppm:K	ENG	[0 to 65535 / 80 / 0.1s]
3-301-201	ID Pattern :Set	ID Pattern M/A:K	ENG	[0 to 1000 / 180 / 0.001mg/cm2]
3-301-211	ID Pattern :Set	Line Width Sensitivi:K	ENG	[0 to 10000 / 80 / 0.0001mg/cm2/um]
3-301-221	ID Pattern :Set	Max M/A Sensitivi:K	ENG	[0 to 10000 / 3336 / 0.0001]
3-310-001	ID.Sens :Voffset	Voffset reg	ENG	[0 to 550 / 0 / 0.01V]
3-311-001	ID.Sens :Vmin	Vmin_K	ENG	[0 to 500 / 0 / 0.01V]
3-312-	ID.Sens :Vct	Vct_reg	ENG	[0 to 5000 / 0 / 0.001V]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-320-001	Vsg Adj: Execute	ALL	ENG	[0 to 1 / 0 / 1]
3-321-001	Adjusted Vsg	Vsg reg	ENG	[0 to 550 / 0 / 0.01V]
3-322-001	Adjusted Ifsg	Ifsg	ENG	[0 to 500 / 60 / 0.1mA]
3-322-011	Adjusted Ifsg	Ifsg	ENG	[0 to 500 / 270 / 0.1mA]
3-323-001	Vsg Adj OK?	Latest	ENG	[0 to 9 / 0 / 1]
3-323-002	Vsg Adj OK?	Latest 1	ENG	[0 to 9 / 0 / 1]
3-323-003	Vsg Adj OK?	Latest 2	ENG	[0 to 9 / 0 / 1]
3-323-004	Vsg Adj OK?	Latest 3	ENG	[0 to 9 / 0 / 1]
3-323-005	Vsg Adj OK?	Latest 4	ENG	[0 to 9 / 0 / 1]
3-323-006	Vsg Adj OK?	Latest 5	ENG	[0 to 9 / 0 / 1]
3-323-007	Vsg Adj OK?	Latest 6	ENG	[0 to 9 / 0 / 1]
3-323-008	Vsg Adj OK?	Latest 7	ENG	[0 to 9 / 0 / 1]
3-323-009	Vsg Adj OK?	Latest 8	ENG	[0 to 9 / 0 / 1]
3-323-010	Vsg Adj OK?	Latest 9	ENG	[0 to 9 / 0 / 1]
3-331-041	ID.Sens Coef :Set	Vct_reg_Slope Chec	ENG	[0 to 10000 / 0 / 0.0001V/mA]
3-331-046	ID.Sens Coef :Set	Vct_reg_Xint_Check	ENG	[0 to 255 / 0 / 0.1mA]
3-339-010	M/A Calculation	ON/OFF:Aging	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-339-020	M/A Calculation	Aging:Coef:0	ENG	[50 to 200 / 100 / 0.01]
3-339-021	M/A Calculation	Aging:Coef:1	ENG	[50 to 200 / 100 / 0.01]
3-339-022	M/A Calculation	Aging:Coef:2	ENG	[50 to 200 / 100 / 0.01]
3-339-023	M/A Calculation	Aging:Coef:3	ENG	[50 to 200 / 100 / 0.01]
3-339-024	M/A Calculation	Aging:Coef:4	ENG	[50 to 200 / 100 / 0.01]
3-339-025	M/A Calculation	Aging:Coef:5	ENG	[50 to 200 / 100 / 0.01]
3-339-026	M/A Calculation	Aging:Coef:6	ENG	[50 to 200 / 100 / 0.01]
3-339-027	M/A Calculation	Aging:Coef:7	ENG	[50 to 200 / 100 / 0.01]
3-339-028	M/A Calculation	Aging:Coef:8	ENG	[50 to 200 / 100 / 0.01]
3-339-029	M/A Calculation	Aging:Coef:9	ENG	[50 to 200 / 100 / 0.01]
3-339-030	M/A Calculation	Aging:Coef:10	ENG	[50 to 200 / 100 / 0.01]
3-339-040	M/A Calculation	ON/OFF:Stress	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-339-060	M/A Calculation	ON/OFF:D Distance	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-339-070	M/A Calculation	ON/OFF:Area rate	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-339-090	M/A Calculation	ON/OFF:IT Distance	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-400-001	Toner Supply Type	K	ENG	[0 to 2 / 2 / 1] 1: FIXED

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				2:PID
3-411-001	Toner Supply Qty	K	ENG	[0 to 999 / 0 / 1mg]
3-440-001	Fixed Supply Mode	Fixed Rate: K	ENG	[0 to 100 / 5 / 1%]
3-450-001	Toner Supply PID:	Vt Proportion: K	ENG	[0 to 100 / 5 / 1%]
3-450-011	Toner Supply PID:	Pixel Proportion:	ENG	[0 to 150 / 90 / 1%]
3-450-031	Toner Supply PID:	Correction Coeffie	ENG	[0 to 255 / 100 / 0.01]
3-450-032	Toner Supply PID:	Correction Coeffie	ENG	[0 to 255 / 50 / 0.01]
3-450-033	Toner Supply PID:	Correction Coeffie	ENG	[0 to 255 / 0 / 0.01]
3-450-034	Toner Supply PID:	Correction Coeffie	ENG	[0 to 255 / 25 / 0.01]
3-450-035	Toner Supply PID:	Correction Coeffie	ENG	[0 to 255 / 50 / 0.01]
3-450-051	Toner Supply PID:	Correction Value 1	ENG	[-10 to 0 / 0 / 0.01]
3-450-052	Toner Supply PID:	Correction Value 2	ENG	[0 to 10 / 0 / 0.01]
3-450-061	Toner Supply PID:	P_Pxl_Coef_Err	ENG	[0 to 100 / 35 / 0.01]
3-450-071	Toner Supply PID:	Vt Integral Contro	ENG	[0 to 2550 / 500 / 1]
3-450-091	Toner Supply PID:	Vt Sum Times: K	ENG	[1 to 255 / 20 / 1times]
3-500-001	ImgQltyAdj :ON/OFF	All	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-500-002	ImgQltyAdj :ON/OFF	ProCon	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-500-	ImgQltyAdj :ON/OF	Init TD Sensor	ENG	[0 to 1 / 1 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				0: OFF 1: ON
3-520-001	ImgQltyAdj :Inter	During Job	ENG	[0 to 100 / 30 / 1pages]
3-521-001	Drum Stop Time :D	Year	ENG	[0 to 99 / 0 / 1year]
3-521-002	Drum Stop Time :D	Month	ENG	[1 to 12 / 1 / 1month]
3-521-003	Drum Stop Time :D	Day	ENG	[1 to 31 / 1 / 1day]
3-521-004	Drum Stop Time :D	Hour	ENG	[0 to 23 / 0 / 1hour]
3-521-005	Drum Stop Time :D	Minute	ENG	[0 to 59 / 0 / 1minute]
3-522-001	Drum Stop Environ	Temperature	ENG	[-12800 to 12700 / 0 / 0.1deg]
3-522-002	Drum Stop Environ	Rel Humidity	ENG	[0 to 10000 / 0 / 0.1%RH]
3-522-003	Drum Stop Environ	Abs Humidity	ENG	[0 to 10000 / 0 / 0.1g/m3]
3-529-001	ProCon Interval C	Gamma Corr	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-529-002	ProCon Interval C	Environ Corr	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-529-003	ProCon Interval C	AbsHum Threshold	ENG	[0 to 990 / 43 / 0.1g/m3]
3-529-004	ProCon Interval C	Max Cnt	ENG	[0 to 99 / 2 / 1times]
3-529-005	ProCon Interval C	Exe Cnt	ENG	[0 to 255 / 0 / 1times]
3-529-006	ProCon Interval C	Page Cnt:BW	ENG	[0 to 5000 / 0 / 1pages]
3-530-001	PowerON ProCon :S	Non-use Time Setti	ENG	[0 to 1440 / 30 / 1minute]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-530-002	PowerON ProCon :S	Temperature Range	ENG	[0 to 99 / 10 / 1deg]
3-530-003	PowerON ProCon :S	Relative Humidity	ENG	[0 to 99 / 50 / 1%RH]
3-530-004	PowerON ProCon :S	Absolute Humidity	ENG	[0 to 99 / 6 / 1g/m3]
3-530-005	PowerON ProCon :S	Interval:BW	ENG	[0 to 5000 / 0 / 1pages]
3-530-007	PowerON ProCon :S	Page Cnt:BW	ENG	[0 to 5000 / 0 / 1pages]
3-530-009	PowerON ProCon :Set	Non-use long Time Setting	ENG	[0 to 1440 / 0 / 1minute]
3-532-001	JobIn Procon :Set	Non-use Time Setti	ENG	[0 to 1440 / 0 / 1minute]
3-532-002	JobIn Procon :Set	Temperature Range	ENG	[0 to 99 / 0 / 1deg]
3-532-003	JobIn Procon :Set	Relative Humidity	ENG	[0 to 99 / 0 / 1%RH]
3-532-004	JobIn Procon :Set	Absolute Humidity	ENG	[0 to 99 / 0 / 1g/m3]
3-533-001	Interrupt ProCon	Interval:Set:BW	ENG	[0 to 5000 / 4000 / 1pages]
3-533-002	Interrupt ProCon	Interval:Disp:BW	ENG	[0 to 5000 / 4000 / 1pages]
3-533-003	Interrupt ProCon	Corr(Short):BW	ENG	[0 to 100 / 50 / 0.01]
3-533-004	Interrupt ProCon	Corr(Mid):BW	ENG	[0 to 100 / 100 / 0.01]
3-534-001	JobEnd ProCon :Se	Interval:Set:BW	ENG	[0 to 5000 / 2000 / 1pages]
3-534-002	JobEnd ProCon :Se	Interval:Disp:BW	ENG	[0 to 5000 / 2000 / 1pages]
3-534-003	JobEnd ProCon :Se	Corr(Short):BW	ENG	[0 to 100 / 75 / 0.01]
3-534-004	JobEnd ProCon :Se	Corr(Mid):BW	ENG	[0 to 100 / 100 / 0.01]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-539-001	Dev Agitating Tim	Time	ENG	[0 to 3000 / 10 / 1sec]
3-539-010	Dev Agitating Tim	ON/OFF(by AbsHum)	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-539-030	Dev Agitating Tim	ON/OFF(by Non-use	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
3-539-050	Dev Agitating Tim	ON/OFF(by Non-use	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-600-001	Select ProCon	Potential Control	ENG	[0 to 1 / 1 / 1] 0: FIXED 1: CONTROL
3-600-003	Select ProCon	TC Adj. Mode	ENG	[0 to 3 / 2 / 1] 0: NotExecute 1: 1st Power On 2: 1st Power On & Job End
3-600-004	Select ProCon	ACC Before ProCon	ENG	[0 to 3 / 2 / 1] 0: Do Not Execute 1: ProcessControl 2: TCControl
3-600-005	Select ProCon	TC Adj. Times	ENG	[1 to 10 / 5 / 1]
3-600-070	Select ProCon	IMSSe Select	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-611-001	Chrg DC Control	95ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-011	Chrg DC Control	110ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-021	Chrg DC Control	135ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-031	Chrg DC Control	150ppm: K	ENG	[200 to 1350 / 550 / 1-V]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-611-101	Chrg DC Control	Procon:95ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-111	Chrg DC Control	Procon:110ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-121	Chrg DC Control	Procon:135ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-611-131	Chrg DC Control	Procon:150ppm: K	ENG	[200 to 1350 / 550 / 1-V]
3-612-001	Dev DC Control	95ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-011	Dev DC Control	110ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-021	Dev DC Control	135ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-031	Dev DC Control	150ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-101	Dev DC Control	Procon:95ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-111	Dev DC Control	Procon:110ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-121	Dev DC Control	Procon:135ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-612-131	Dev DC Control	Procon:150ppm: K	ENG	[100 to 900 / 350 / 1-V]
3-613-001	LD Power Control	K	ENG	[60 to 180 / 100 / 1%]
3-613-101	LD Power Control	Procon: K	ENG	[60 to 180 / 100 / 1%]
3-620-001	ProCon Target M/A	Maximum M/A:K	ENG	[250 to 750 / 444 / 0.001mg/cm2]
3-620-011	ProCon Target M/A	Maximum M/A Adj.:K	ENG	[-5 to 5 / 0 / 1]
3-620-021	ProCon Target M/A	Maximum M/A Corr:K	ENG	[-150 to 150 / 0 / 0.001mg/cm2]
3-620-101	ProCon Target M/A	Procon:Maximum M/A:K	ENG	[250 to 750 / 444 / 0.001mg/cm2]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-620-111	ProCon Target M/A	Plain:Maximum M/A:K	ENG	[250 to 750 / 444 / 0.001mg/cm2]
3-620-121	ProCon Target M/A	gloss:Maximum M/A:K	ENG	[250 to 750 / 444 / 0.001mg/cm2]
3-620-131	ProCon Target M/A	rough:Maximum M/A:K	ENG	[250 to 750 / 500 / 0.001mg/cm2]
3-622-001	Dev Pot :Set	Current: K	ENG	[0 to 800 / 300 / 1V]
3-622-011	Dev Pot :Set	Target: K	ENG	[0 to 800 / 0 / 1V]
3-622-051	Dev Pot :Set	UpperLimit:K	ENG	[400 to 800 / 625 / 1V]
3-622-061	Dev Pot :Set	LowerLimit:K	ENG	[0 to 400 / 100 / 1V]
3-622-101	Dev Pot :Set	Procon:Current:K	ENG	[0 to 800 / 300 / 1V]
3-623-051	LD Power :Set	Line Width Adj.:K	ENG	[20 to 120 / 51 / 1um]
3-623-061	LD Power :Set	Line Width Adj.:K	ENG	[-5 to 5 / 0 / 1]
3-624-001	TC Adj. Mode	Target(Upp Limit)	ENG	[0 to 100 / 15 / 0.01mg/cm2/-kV]
3-624-002	TC Adj. Mode	Target(Lwr Limit)	ENG	[-100 to 0 / -10 / 0.01mg/cm2/-kV]
3-624-005	TC Adj. Mode	Force Consume Thre	ENG	[100 to 600 / 190 / 0.01mg/cm2/-kV]
3-624-007	TC Adj. Mode	Consume(Upp Limit)	ENG	[0 to 32 / 16 / 1times]
3-624-008	TC Adj. Mode	Force Supply Thres	ENG	[0 to 100 / 65 / 0.01mg/cm2/-kV]
3-624-009	TC Adj. Mode	Supply(Upp Limit)	ENG	[1 to 50 / 5 / 1g]
3-624-010	TC Adj. Mode	Supply(Lwr Limit)	ENG	[1 to 50 / 1 / 1g]
3-627-001	P Pattern Extract	Edge Detection Threshold :ID.Sens :K	ENG	[0 to 50 / 25 / 0.1V]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-627-011	P Pattern Extract	Edge Upper Limit :ID.Sens	ENG	[0 to 255 / 42 / 1point]
3-627-021	P Pattern Extract	Edge Lower Limit :ID.Sens	ENG	[0 to 255 / 15 / 1point]
3-627-051	P Pattern Extraction :Set	Edge Detection Threshold :Pot.Sens :K	ENG	[0 to 999 / 250 / 1-V]
3-627-061	P Pattern Extraction :Set	Edge Upper Limit :Pot.Sens	ENG	[0 to 255 / 42 / 1point]
3-627-071	P Pattern Extraction :Set	Edge Lower Limit :Pot.Sens	ENG	[0 to 255 / 15 / 1point]
3-629-001	Pot. Control Pattern	ChargeDC: Pattern1	ENG	[0 to 999 / 320 / 1-V]
3-629-002	Pot. Control Pattern	ChargeDC: Pattern2	ENG	[0 to 999 / 380 / 1-V]
3-629-003	Pot. Control Pattern	ChargeDC: Pattern3	ENG	[0 to 999 / 450 / 1-V]
3-629-004	Pot. Control Pattern	ChargeDC: Pattern4	ENG	[0 to 999 / 520 / 1-V]
3-629-005	Pot. Control Pattern	ChargeDC: Pattern5	ENG	[0 to 999 / 590 / 1-V]
3-629-101	Pot. Control Pattern	DevelopmentDC: Pat	ENG	[0 to 999 / 110 / 1-V]
3-629-102	Pot. Control Pattern	DevelopmentDC: Pat	ENG	[0 to 999 / 170 / 1-V]
3-629-103	Pot. Control Pattern	DevelopmentDC: Pat	ENG	[0 to 999 / 230 / 1-V]
3-629-104	Pot. Control Pattern	DevelopmentDC: Pat	ENG	[0 to 999 / 290 / 1-V]
3-629-105	Pot. Control Pattern	DevelopmentDC: Pat	ENG	[0 to 999 / 360 / 1-V]
3-630-001	Dev gamma :Disp/S	Current:K	ENG	[10 to 600 / 120 / 0.01mg/cm2/-kV]
3-630-011	Dev gamma :Disp/S	Target:K	ENG	[50 to 255 / 120 / 0.01mg/cm2/-kV]
3-630-021	Dev gamma :Disp/S	Initial:K	ENG	[50 to 255 / 120 / 0.01mg/cm2/-kV]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-630-031	Dev gamma :Disp/S	Env Cor.(ON/OFF)	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-630-032	Dev gamma :Disp/S	TC Cor.(ON/OFF)	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-630-041	Dev gamma :Disp/S	Environ Corr:K	ENG	[-100 to 100 / 0 / 0.01mg/cm2/-kV]
3-630-051	Dev gamma :Disp/S	TnrDensity Corr:K	ENG	[-100 to 100 / 0 / 0.01mg/cm2/-kV]
3-630-061	Dev gamma :Disp/S	TnrDensity:K	ENG	[0 to 255 / 0 / 0.1wt%]
3-630-071	Dev gamma :Disp/S	Environ Corr1:K	ENG	[-100 to 100 / -10 / 0.01mg/cm2/-kV]
3-630-072	Dev gamma :Disp/S	Environ Corr2:K	ENG	[-100 to 100 / -5 / 0.01mg/cm2/-kV]
3-630-073	Dev gamma :Disp/S	Environ Corr3:K	ENG	[-100 to 100 / 0 / 0.01mg/cm2/-kV]
3-630-074	Dev gamma :Disp/S	Environ Corr4:K	ENG	[-100 to 100 / 5 / 0.01mg/cm2/-kV]
3-630-075	Dev gamma :Disp/S	Environ Corr5:K	ENG	[-100 to 100 / 10 / 0.01mg/cm2/-kV]
3-630-076	Dev gamma :Disp/S	Environ Corr6:K	ENG	[-100 to 100 / 15 / 0.01mg/cm2/-kV]
3-630-077	Dev gamma :Disp/S	Environ Corr7:K	ENG	[-100 to 100 / 10 / 0.01mg/cm2/-kV]
3-630-078	Dev gamma :Disp/S	Environ Corr8:K	ENG	[-100 to 100 / 10 / 0.01mg/cm2/-kV]
3-630-090	Dev gamma :Disp/S	TC-Gamma	ENG	[10 to 25 / 12 / 0.01]
3-630-091	Dev gamma :Disp/S	TC Corr Threshold:	ENG	[40 to 80 / 60 / 0.1wt%]
3-631-001	Vk :Disp	K	ENG	[-300 to 300 / 0 / 1-V]
3-641-001	Vd(700) :Disp	Average:K	ENG	[0 to 999 / 0 / 1-V]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-641-011	Vd(700) :Disp	Max:K	ENG	[0 to 999 / 0 / 1-V]
3-641-021	Vd(700) :Disp	Min:K	ENG	[0 to 999 / 0 / 1-V]
3-641-031	Vd(700) :Disp	Corr Coef:K	ENG	[70 to 120 / 90 / 0.01]
3-642-001	Vr :Disp	K	ENG	[0 to 999 / 0 / 1-V]
3-645-011	Target Pot:Vpl*	Vpl Adj Times	ENG	[20 to 255 / 60 / 1]
3-645-111	Target Pot:Vpl*	Normal SC Threshold	ENG	[0 to 255 / 5 / 1]
3-645-121	Target Pot:Vpl*	Logging SC Counter	ENG	[0 to 255 / 0 / 1]
3-645-131	Target Pot:Vpl*	Logging SC Counter Clear	ENG	[0 to 1 / 0 / 1]
3-649-001	Pattern Pot:**	Vl(P5):K	ENG	[0 to 999 / 50 / 1-V]
3-649-011	Pattern Pot:**	Vpl:K	ENG	[0 to 999 / 0 / 1-V]
3-810-001	Lubricant Bar End Detection	Near End Detection Distance: Thres1:Bk	ENG	[0 to 99999999 / 10000 / 1m]
3-810-003	Lubricant Bar End Detection	End Detection Distance: Thres2:Bk	ENG	[0 to 99999999 / 50000 / 1m]
3-810-005	Lubricant Bar End Detection	Conduction Detection Times:Thres3	ENG	[0 to 9 / 1 / 1]
3-810-006	Lubricant Bar End Detection	New Unit Conduction Detection Times:Thres4	ENG	[0 to 9 / 4 / 1]
3-810-011	Lubricant Bar End Detection	Conduction Detection Times Counter:K	ENG	[0 to 9 / 0 / 1]
3-810-015	Lubricant Bar End Detection	Near End Drive Distance:K	ENG	[0 to 99999999 / 0 / 1m]
3-810-021	Lubricant Bar End Detection	Detection Flag:K	ENG	[0 to 3 / 0 / 1]
3-810-025	Lubricant Bar End Detection	New Part Detection Flag:K	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-820-001	Tnr Refresh Mode	Img Area Thresh:K	ENG	[0 to 255 / 30 / 0.1%]
3-820-011	Tnr Refresh Mode	K Amount	ENG	[0 to 65535 / 0 / 1mm]
3-820-021	Tnr Refresh Mode	Max Between Patter	ENG	[0 to 255 / 60 / 1mm]
3-820-031	Tnr Refresh Mode	Max Job End Patter	ENG	[0 to 1000 / 500 / 1mm]
3-820-041	Tnr Refresh Mode	Refresh UP ON/OFF	ENG	[0 to 1 / 1 / 1] 0: NotExecute 1: Execute
3-820-051	Tnr Refresh Mode	Refresh A type-a	ENG	[-15 to 7.0 / 0 / 1mm]
3-820-052	Tnr Refresh Mode	Refresh A type-b	ENG	[-18 to 7.0 / 0 / 1mm]
3-820-053	Tnr Refresh Mode	Refresh A type-c	ENG	[-25 to 8.0 / 0 / 1mm]
3-820-054	Tnr Refresh Mode	Refresh A type-x	ENG	[-30 to 8.0 / 0 / 1mm]
3-820-061	Tnr Refresh Mode	Refresh B type-a	ENG	[-7 to 15 / 0 / 1mm]
3-820-062	Tnr Refresh Mode	Refresh B type-b	ENG	[-7 to 18 / 0 / 1mm]
3-820-063	Tnr Refresh Mode	Refresh B type-c	ENG	[-8 to 25 / 0 / 1mm]
3-820-064	Tnr Refresh Mode	Refresh B type-x	ENG	[-8 to 30 / 0 / 1mm]
3-910-001	Charge Current Contrl:Displ	Charge Env Switch Selection	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
3-910-002	Charge Current Contrl:Displ	LL:95ppm	ENG	[0 to 3066 / 1800 / 1uA]
3-910-003	Charge Current Contrl:Displ	MM:95ppm	ENG	[0 to 3066 / 1500 / 1uA]
3-910-004	Charge Current Contrl:Displ	HH:95ppm	ENG	[0 to 3066 / 1256 / 1uA]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-910-005	Charge Current Contrl:Displ	Fixed:95ppm	ENG	[0 to 3066 / 1800 / 1uA]
3-910-012	Charge Current Contrl:Displ	LL:110ppm	ENG	[0 to 3066 / 2083 / 1uA]
3-910-013	Charge Current Contrl:Displ	MM:110ppm	ENG	[0 to 3066 / 1736 / 1uA]
3-910-014	Charge Current Contrl:Displ	HH:110ppm	ENG	[0 to 3066 / 1451 / 1uA]
3-910-015	Charge Current Contrl:Displ	Fixed:110ppm	ENG	[0 to 3066 / 2083 / 1uA]
3-910-022	Charge Current Contrl:Displ	LL:135ppm	ENG	[0 to 3066 / 2666 / 1uA]
3-910-023	Charge Current Contrl:Displ	MM:135ppm	ENG	[0 to 3066 / 2222 / 1uA]
3-910-024	Charge Current Contrl:Displ	HH:135ppm	ENG	[0 to 3066 / 1860 / 1uA]
3-910-025	Charge Current Contrl:Displ	Fixed:135ppm	ENG	[0 to 3066 / 2666 / 1uA]
3-910-032	Charge Current Contrl:Displ	LL:150ppm	ENG	[0 to 3066 / 3066 / 1uA]
3-910-033	Charge Current Contrl:Displ	MM:150ppm	ENG	[0 to 3066 / 2555 / 1uA]
3-910-034	Charge Current Contrl:Displ	HH:150ppm	ENG	[0 to 3066 / 2139 / 1uA]
3-910-035	Charge Current Contrl:Displ	Fixed:150ppm	ENG	[0 to 3066 / 3066 / 1uA]
3-921-001	Procon Target M/A	Custom Paper 1	ENG	[-5 to 5 / 0 / 1]
3-921-002	Procon Target M/A	Custom Paper 2	ENG	[-5 to 5 / 0 / 1]
3-921-003	Procon Target M/A	Custom Paper 3	ENG	[-5 to 5 / 0 / 1]
3-921-004	Procon Target M/A	Custom Paper 4	ENG	[-5 to 5 / 0 / 1]
3-921-005	Procon Target M/A	Custom Paper 5	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-006	Procon Target M/A	Custom Paper 6	ENG	[-5 to 5 / 0 / 1]
3-921-007	Procon Target M/A	Custom Paper 7	ENG	[-5 to 5 / 0 / 1]
3-921-008	Procon Target M/A	Custom Paper 8	ENG	[-5 to 5 / 0 / 1]
3-921-009	Procon Target M/A	Custom Paper 9	ENG	[-5 to 5 / 0 / 1]
3-921-010	Procon Target M/A	Custom Paper 10	ENG	[-5 to 5 / 0 / 1]
3-921-011	Procon Target M/A	Custom Paper 11	ENG	[-5 to 5 / 0 / 1]
3-921-012	Procon Target M/A	Custom Paper 12	ENG	[-5 to 5 / 0 / 1]
3-921-013	Procon Target M/A	Custom Paper 13	ENG	[-5 to 5 / 0 / 1]
3-921-014	Procon Target M/A	Custom Paper 14	ENG	[-5 to 5 / 0 / 1]
3-921-015	Procon Target M/A	Custom Paper 15	ENG	[-5 to 5 / 0 / 1]
3-921-016	Procon Target M/A	Custom Paper 16	ENG	[-5 to 5 / 0 / 1]
3-921-017	Procon Target M/A	Custom Paper 17	ENG	[-5 to 5 / 0 / 1]
3-921-018	Procon Target M/A	Custom Paper 18	ENG	[-5 to 5 / 0 / 1]
3-921-019	Procon Target M/A	Custom Paper 19	ENG	[-5 to 5 / 0 / 1]
3-921-020	Procon Target M/A	Custom Paper 20	ENG	[-5 to 5 / 0 / 1]
3-921-021	Procon Target M/A	Custom Paper 21	ENG	[-5 to 5 / 0 / 1]
3-921-022	Procon Target M/A	Custom Paper 22	ENG	[-5 to 5 / 0 / 1]
3-921-023	Procon Target M/A	Custom Paper 23	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-024	Procon Target M/A	Custom Paper 24	ENG	[-5 to 5 / 0 / 1]
3-921-025	Procon Target M/A	Custom Paper 25	ENG	[-5 to 5 / 0 / 1]
3-921-026	Procon Target M/A	Custom Paper 26	ENG	[-5 to 5 / 0 / 1]
3-921-027	Procon Target M/A	Custom Paper 27	ENG	[-5 to 5 / 0 / 1]
3-921-028	Procon Target M/A	Custom Paper 28	ENG	[-5 to 5 / 0 / 1]
3-921-029	Procon Target M/A	Custom Paper 29	ENG	[-5 to 5 / 0 / 1]
3-921-030	Procon Target M/A	Custom Paper 30	ENG	[-5 to 5 / 0 / 1]
3-921-031	Procon Target M/A	Custom Paper 31	ENG	[-5 to 5 / 0 / 1]
3-921-032	Procon Target M/A	Custom Paper 32	ENG	[-5 to 5 / 0 / 1]
3-921-033	Procon Target M/A	Custom Paper 33	ENG	[-5 to 5 / 0 / 1]
3-921-034	Procon Target M/A	Custom Paper 34	ENG	[-5 to 5 / 0 / 1]
3-921-035	Procon Target M/A	Custom Paper 35	ENG	[-5 to 5 / 0 / 1]
3-921-036	Procon Target M/A	Custom Paper 36	ENG	[-5 to 5 / 0 / 1]
3-921-037	Procon Target M/A	Custom Paper 37	ENG	[-5 to 5 / 0 / 1]
3-921-038	Procon Target M/A	Custom Paper 38	ENG	[-5 to 5 / 0 / 1]
3-921-039	Procon Target M/A	Custom Paper 39	ENG	[-5 to 5 / 0 / 1]
3-921-040	Procon Target M/A	Custom Paper 40	ENG	[-5 to 5 / 0 / 1]
3-921-041	Procon Target M/A	Custom Paper 41	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-042	Procon Target M/A	Custom Paper 42	ENG	[-5 to 5 / 0 / 1]
3-921-043	Procon Target M/A	Custom Paper 43	ENG	[-5 to 5 / 0 / 1]
3-921-044	Procon Target M/A	Custom Paper 44	ENG	[-5 to 5 / 0 / 1]
3-921-045	Procon Target M/A	Custom Paper 45	ENG	[-5 to 5 / 0 / 1]
3-921-046	Procon Target M/A	Custom Paper 46	ENG	[-5 to 5 / 0 / 1]
3-921-047	Procon Target M/A	Custom Paper 47	ENG	[-5 to 5 / 0 / 1]
3-921-048	Procon Target M/A	Custom Paper 48	ENG	[-5 to 5 / 0 / 1]
3-921-049	Procon Target M/A	Custom Paper 49	ENG	[-5 to 5 / 0 / 1]
3-921-050	Procon Target M/A	Custom Paper 50	ENG	[-5 to 5 / 0 / 1]
3-921-051	Procon Target M/A	Custom Paper 51	ENG	[-5 to 5 / 0 / 1]
3-921-052	Procon Target M/A	Custom Paper 52	ENG	[-5 to 5 / 0 / 1]
3-921-053	Procon Target M/A	Custom Paper 53	ENG	[-5 to 5 / 0 / 1]
3-921-054	Procon Target M/A	Custom Paper 54	ENG	[-5 to 5 / 0 / 1]
3-921-055	Procon Target M/A	Custom Paper 55	ENG	[-5 to 5 / 0 / 1]
3-921-056	Procon Target M/A	Custom Paper 56	ENG	[-5 to 5 / 0 / 1]
3-921-057	Procon Target M/A	Custom Paper 57	ENG	[-5 to 5 / 0 / 1]
3-921-058	Procon Target M/A	Custom Paper 58	ENG	[-5 to 5 / 0 / 1]
3-921-059	Procon Target M/A	Custom Paper 59	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-060	Procon Target M/A	Custom Paper 60	ENG	[-5 to 5 / 0 / 1]
3-921-061	Procon Target M/A	Custom Paper 61	ENG	[-5 to 5 / 0 / 1]
3-921-062	Procon Target M/A	Custom Paper 62	ENG	[-5 to 5 / 0 / 1]
3-921-063	Procon Target M/A	Custom Paper 63	ENG	[-5 to 5 / 0 / 1]
3-921-064	Procon Target M/A	Custom Paper 64	ENG	[-5 to 5 / 0 / 1]
3-921-065	Procon Target M/A	Custom Paper 65	ENG	[-5 to 5 / 0 / 1]
3-921-066	Procon Target M/A	Custom Paper 66	ENG	[-5 to 5 / 0 / 1]
3-921-067	Procon Target M/A	Custom Paper 67	ENG	[-5 to 5 / 0 / 1]
3-921-068	Procon Target M/A	Custom Paper 68	ENG	[-5 to 5 / 0 / 1]
3-921-069	Procon Target M/A	Custom Paper 69	ENG	[-5 to 5 / 0 / 1]
3-921-070	Procon Target M/A	Custom Paper 70	ENG	[-5 to 5 / 0 / 1]
3-921-071	Procon Target M/A	Custom Paper 71	ENG	[-5 to 5 / 0 / 1]
3-921-072	Procon Target M/A	Custom Paper 72	ENG	[-5 to 5 / 0 / 1]
3-921-073	Procon Target M/A	Custom Paper 73	ENG	[-5 to 5 / 0 / 1]
3-921-074	Procon Target M/A	Custom Paper 74	ENG	[-5 to 5 / 0 / 1]
3-921-075	Procon Target M/A	Custom Paper 75	ENG	[-5 to 5 / 0 / 1]
3-921-076	Procon Target M/A	Custom Paper 76	ENG	[-5 to 5 / 0 / 1]
3-921-077	Procon Target M/A	Custom Paper 77	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-078	Procon Target M/A	Custom Paper 78	ENG	[-5 to 5 / 0 / 1]
3-921-079	Procon Target M/A	Custom Paper 79	ENG	[-5 to 5 / 0 / 1]
3-921-080	Procon Target M/A	Custom Paper 80	ENG	[-5 to 5 / 0 / 1]
3-921-081	Procon Target M/A	Custom Paper 81	ENG	[-5 to 5 / 0 / 1]
3-921-082	Procon Target M/A	Custom Paper 82	ENG	[-5 to 5 / 0 / 1]
3-921-083	Procon Target M/A	Custom Paper 83	ENG	[-5 to 5 / 0 / 1]
3-921-084	Procon Target M/A	Custom Paper 84	ENG	[-5 to 5 / 0 / 1]
3-921-085	Procon Target M/A	Custom Paper 85	ENG	[-5 to 5 / 0 / 1]
3-921-086	Procon Target M/A	Custom Paper 86	ENG	[-5 to 5 / 0 / 1]
3-921-087	Procon Target M/A	Custom Paper 87	ENG	[-5 to 5 / 0 / 1]
3-921-088	Procon Target M/A	Custom Paper 88	ENG	[-5 to 5 / 0 / 1]
3-921-089	Procon Target M/A	Custom Paper 89	ENG	[-5 to 5 / 0 / 1]
3-921-090	Procon Target M/A	Custom Paper 90	ENG	[-5 to 5 / 0 / 1]
3-921-091	Procon Target M/A	Custom Paper 91	ENG	[-5 to 5 / 0 / 1]
3-921-092	Procon Target M/A	Custom Paper 92	ENG	[-5 to 5 / 0 / 1]
3-921-093	Procon Target M/A	Custom Paper 93	ENG	[-5 to 5 / 0 / 1]
3-921-094	Procon Target M/A	Custom Paper 94	ENG	[-5 to 5 / 0 / 1]
3-921-095	Procon Target M/A	Custom Paper 95	ENG	[-5 to 5 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-921-096	Procon Target M/A	Custom Paper 96	ENG	[-5 to 5 / 0 / 1]
3-921-097	Procon Target M/A	Custom Paper 97	ENG	[-5 to 5 / 0 / 1]
3-921-098	Procon Target M/A	Custom Paper 98	ENG	[-5 to 5 / 0 / 1]
3-921-099	Procon Target M/A	Custom Paper 99	ENG	[-5 to 5 / 0 / 1]
3-921-100	Procon Target M/A	Custom Paper 100	ENG	[-5 to 5 / 0 / 1]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
4-008-001	Sub Scan Magnification Adj		ENG	[-10 to 10 / 0 / 0.1%]
4-010-001	Sub Scan Registration Adj		ENG	[-20 to 20 / 0 / 0.1mm]
4-011-001	Main Scan Reg		ENG	[-25 to 25 / 0 / 0.1mm]
4-012-001	Set Scale Mask	Book:Sub LEdge	ENG	[0 to 30 / 10 / 0.1mm]
4-012-002	Set Scale Mask	Book:Sub TEdge	ENG	[0 to 30 / 0 / 0.1mm]
4-012-003	Set Scale Mask	Book:Main:LEdge	ENG	[0 to 30 / 10 / 0.1mm]
4-012-004	Set Scale Mask	Book:Main:TEdge	ENG	[0 to 30 / 0 / 0.1mm]
4-012-005	Scanner Erase Margin: Scale	ADF: Leading Edge	ENG	[0 to 30 / 0 / 0.1mm]
4-012-007	Scanner Erase Margin: Scale	ADF: Right	ENG	[0 to 30 / 0 / 0.1mm]
4-012-008	Scanner Erase Margin: Scale	ADF: left	ENG	[0 to 30 / 0 / 0.1mm]
4-013-001	Scanner Free run	Book mode :Lamp Off	ENG	[0 to 1 / 0 / 1]
4-013-002	Scanner Free run	Book mode :Lamp On	ENG	[0 to 1 / 0 / 1]
4-014-001	Scan	HP Detection Enable	ENG	[0 to 1 / 0 / 1]
4-014-002	Scan	HP Detection Disable	ENG	[0 to 1 / 0 / 1]
4-020-001	Dust Check	Dust Detect:On/Off	ENG	[0 to 1 / 0 / 1]
4-020-002	Dust Check	Dust Detect:Lvl	ENG	[0 to 8 / 4 / 1]
4-020-003	Dust Check Lvl	Dust Reject:Lvl	ENG	[0 to 4 / 0 / 1]
4-020-	DF Dust Check	Dust Detect Level:Rear	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
4-020-012	DF Dust Check	Correction Level:Rear	ENG	[0 to 8 / 4 / 1]
4-201-001	LoCPP edge level:K	600dpi 2bit edge1	ENG	[0 to 15 / 15 / 1]
4-201-002	LoCPP edge level:K	600dpi 2bit edge23	ENG	[0 to 15 / 15 / 1]
4-201-003	LoCPP edge level:K	600dpi 4bit edge1	ENG	[0 to 15 / 15 / 1]
4-201-004	LoCPP edge level:K	600dpi 4bit edge23	ENG	[0 to 15 / 15 / 1]
4-201-011	LoCPP edge off/on:K	1200dpi 1bit edge12	ENG	[0 to 1 / 0 / 1]
4-201-012	LoCPP edge off/on:K	1200dpi 1bit edge345	ENG	[0 to 1 / 0 / 1]
4-301-001	Operation Check APS Sensor		ENG	[0 to 255 / 0 / 1]
4-303-001	Min Size for APS		ENG	[0 to 1 / 0 / 1] 0: No Original 1: A5-Lengthwise
4-305-001	8K/16K Detection		ENG	[0 to 3 / 0 / 1] 0: Normal Detection 1: A4-Sideways LT-Lengthwise 2: LT-Sideways A4-Lengthwise 3: 8K 16K
4-308-001	Scan Size Detection	Detection ON/OFF	ENG	[0 to 2 / 1 / 1] 0: OFF 1: ON 2: APS
4-309-001	Scan Size Detect:Setting	Original Density Thresh	ENG	[0 to 255 / 18 / 1digit]
4-309-002	Scan Size Detect:Setting	Detection Time	ENG	[20 to 100 / 60 / 20msec]
4-309-	Scan Size Detect:Setting	Lamp ON:Delay Time	ENG	[40 to 200 / 40 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				10msec]
4-309-004	Scan Size Detect:Setting	LED PWM Duty	ENG	[0 to 100 / 60 / 1]
4-310-001	Scan Size Detect Value	S1:R	ENG	[0 to 255 / 0 / 1digit]
4-310-002	Scan Size Detect Value	S1:G	ENG	[0 to 255 / 0 / 1digit]
4-310-003	Scan Size Detect Value	S1:B	ENG	[0 to 255 / 0 / 1digit]
4-310-004	Scan Size Detect Value	S2:R	ENG	[0 to 255 / 0 / 1digit]
4-310-005	Scan Size Detect Value	S2:G	ENG	[0 to 255 / 0 / 1digit]
4-310-006	Scan Size Detect Value	S2:B	ENG	[0 to 255 / 0 / 1digit]
4-310-007	Scan Size Detect Value	S3:R	ENG	[0 to 255 / 0 / 1digit]
4-310-008	Scan Size Detect Value	S3:G	ENG	[0 to 255 / 0 / 1digit]
4-310-009	Scan Size Detect Value	S3:B	ENG	[0 to 255 / 0 / 1digit]
4-350-001	Intermittent Shading : BW	Switch On/Off	ENG	[0 to 1 / 1 / 1]
4-350-002	Intermittent Shading : BW	Interval 1	ENG	[0 to 65535 / 240 / 1sec]
4-350-003	Intermittent Shading : BW	Interval 1 Repetitions	ENG	[1 to 60 / 1 / 1]
4-350-004	Intermittent Shading : BW	Interval 2	ENG	[0 to 65535 / 240 / 1sec]
4-351-001	Intermittent Shading : FC	Switch On/Off	ENG	[0 to 1 / 1 / 1]
4-351-002	Intermittent Shading : FC	Interval 1	ENG	[0 to 65535 / 240 / 1sec]
4-351-003	Intermittent Shading : FC	Interval 1 Repetitions	ENG	[1 to 60 / 1 / 1]
4-351-	Intermittent Shading : FC	Interval 2	ENG	[0 to 65535 / 240 / 1sec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
4-400-001	Org Edge Mask	Book:Sub:LEdge	ENG	[0 to 30 / 0 / 0.1mm]
4-400-002	Org Edge Mask	Book:Sub:TEdge	ENG	[0 to 30 / 0 / 0.1mm]
4-400-003	Org Edge Mask	Book:Main:LEdge	ENG	[0 to 30 / 0 / 0.1mm]
4-400-004	Org Edge Mask	Book:Main:Tedge	ENG	[0 to 30 / 0 / 0.1mm]
4-400-005	Scanner Erase Margin	ADF: Leading Edge	ENG	[0 to 30 / 0 / 0.1mm]
4-400-007	Scanner Erase Margin	ADF: Right	ENG	[0 to 30 / 0 / 0.1mm]
4-400-008	Scanner Erase Margin	ADF: left	ENG	[0 to 30 / 0 / 0.1mm]
4-417-001	IPU Test Pattern	Test Pattern	ENG	[0 to 8 / 0 / 1] 0: Scanned image 1: Gradation main scan A 2: Patch 16C 3: Grid pattern A 4: Slant grid pattern B 5: Slant grid pattern C 6: Slant grid pattern D 7: Scanned+Slant Grid C 8: Scanned+Slant Grid D
4-429-001	Select Copy Data Security	Copying	ENG	[0 to 3 / 3 / 1]
4-429-002	Select Copy Data Security	Scanning	ENG	[0 to 3 / 3 / 1]
4-460-001	Digital AE	Low Limit Value	ENG	[0 to 1023 / 364 / 1]
4-460-002	Digital AE	Background level	ENG	[512 to 1535 / 972 / 1]
4-490-	FL Correction ON/OFF	RED	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
4-490-002	FL Correction ON/OFF	GREEN	ENG	[0 to 1 / 0 / 1]
4-490-003	FL Correction ON/OFF	BLUE	ENG	[0 to 1 / 0 / 1]
4-550-005	Scan Apli:Txt/Print	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-550-006	Scan Apli:Txt/Print	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-550-007	Scan Apli:Txt/Print	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-550-008	Scan Apli:Txt/Print	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-550-009	Scan Apli:Txt/Print	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-551-005	Scan Apli:Txt	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-551-006	Scan Apli:Txt	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-551-007	Scan Apli:Txt	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-551-008	Scan Apli:Txt	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-551-009	Scan Apli:Txt	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-552-005	Scan Apli:Txt Dropout	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-552-006	Scan Apli:Txt Dropout	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-552-007	Scan Apli:Txt Dropout	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-552-008	Scan Apli:Txt Dropout	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-552-009	Scan Apli:Txt Dropout	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-553-	Scan Apli:Txt/Photo	MTF: 0(Off) 1-15 (Weak-	ENG	[0 to 15 / 8 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005		Strong)		
4-553-006	Scan Apli:Txt/Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-553-007	Scan Apli:Txt/Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-553-008	Scan Apli:Txt/Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-553-009	Scan Apli:Txt/Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-554-005	Scan Apli:Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-554-006	Scan Apli:Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-554-007	Scan Apli:Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-554-008	Scan Apli:Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-554-009	Scan Apli:Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-565-005	Scan Apli:GrayScale	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-565-006	Scan Apli:GrayScale	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-565-007	Scan Apli:GrayScale	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-565-008	Scan Apli:GrayScale	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-565-009	Scan Apli:GrayScale	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-570-005	Scan Apli:Col Txt/Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-570-006	Scan Apli:Col Txt/Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-570-007	Scan Apli:Col Txt/Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-570-	Scan Apli:Col Txt/Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
4-570-009	Scan Apli:Col Txt/Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-571-005	Scan Apli:Col Gloss Photo	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-571-006	Scan Apli:Col Gloss Photo	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-571-007	Scan Apli:Col Gloss Photo	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-571-008	Scan Apli:Col Gloss Photo	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-571-009	Scan Apli:Col Gloss Photo	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-572-005	Scan Apli:AutoCol	MTF: 0(Off) 1-15 (Weak-Strong)	ENG	[0 to 15 / 8 / 1]
4-572-006	Scan Apli:AutoCol	Smoothing: 0(x1) 1-7 (Weak-Strong)	ENG	[0 to 7 / 4 / 1]
4-572-007	Scan Apli:AutoCol	Brightness: 1-255	ENG	[1 to 255 / 128 / 1]
4-572-008	Scan Apli:AutoCol	Contrast: 1-255	ENG	[1 to 255 / 128 / 1]
4-572-009	Scan Apli:AutoCol	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	ENG	[0 to 7 / 0 / 1]
4-600-001	SBU Version Display	SBU_ID	ENG	[0x00 to 0xFF / 0 / 1]
4-600-002	SBU Version Display	SCAT_F_ID	ENG	[0x00 to 0xFF / 0 / 1]
4-600-003	SBU Version Display	SCAT_L_ID	ENG	[0x00 to 0xFF / 0 / 1]
4-609-001	Gray Balance Set: R	Book Scan	ENG	[-384 to 255 / -100 / 1digit]
4-609-002	Gray Balance Set: R	DF Scan	ENG	[-384 to 255 / -100 / 1digit]
4-610-001	Gray Balance Set: G	Book Scan	ENG	[-384 to 255 / -100 / 1digit]
4-610-	Gray Balance Set: G	DF Scan	ENG	[-384 to 255 / -100 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				1digit]
4-611-001	Gray Balance Set: B	Book Scan	ENG	[-384 to 255 / -100 / 1digit]
4-611-002	Gray Balance Set: B	DF Scan	ENG	[-384 to 255 / -100 / 1digit]
4-635-001	SSCG Correction Set	Mode Selection	ENG	[0 to 3 / 1 / 1]
4-637-001	SSCG Noise Cancel (Analog)	Latest:F:RE	ENG	[-31 to 31 / 0 / 1digit]
4-637-002	SSCG Noise Cancel (Analog)	Latest:F:RO	ENG	[-31 to 31 / 0 / 1digit]
4-637-003	SSCG Noise Cancel (Analog)	Latest:F:GE	ENG	[-31 to 31 / 0 / 1digit]
4-637-004	SSCG Noise Cancel (Analog)	Latest:F:GO	ENG	[-31 to 31 / 0 / 1digit]
4-637-005	SSCG Noise Cancel (Analog)	Latest:F:BE	ENG	[-31 to 31 / 0 / 1digit]
4-637-006	SSCG Noise Cancel (Analog)	Latest:F:BO	ENG	[-31 to 31 / 0 / 1digit]
4-637-007	SSCG Noise Cancel (Analog)	Latest:L:RE	ENG	[-31 to 31 / 0 / 1digit]
4-637-008	SSCG Noise Cancel (Analog)	Latest:L:RO	ENG	[-31 to 31 / 0 / 1digit]
4-637-009	SSCG Noise Cancel (Analog)	Latest:L:GE	ENG	[-31 to 31 / 0 / 1digit]
4-637-010	SSCG Noise Cancel (Analog)	Latest:L:GO	ENG	[-31 to 31 / 0 / 1digit]
4-637-011	SSCG Noise Cancel (Analog)	Latest:L:BE	ENG	[-31 to 31 / 0 / 1digit]
4-637-012	SSCG Noise Cancel (Analog)	Latest:L:BO	ENG	[-31 to 31 / 0 / 1digit]
4-638-001	SSCG Noise Cancel (Digital)	Latest:F:RE	ENG	[-255 to 255 / 0 / 1digit]
4-638-002	SSCG Noise Cancel (Digital)	Latest:F:RO	ENG	[-255 to 255 / 0 / 1digit]
4-638-	SSCG Noise Cancel	Latest:F:GE	ENG	[-255 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	(Digital)			
4-638-004	SSCG Noise Cancel (Digital)	Latest:F:GO	ENG	[-255 to 255 / 0 / 1digit]
4-638-005	SSCG Noise Cancel (Digital)	Latest:F:BE	ENG	[-255 to 255 / 0 / 1digit]
4-638-006	SSCG Noise Cancel (Digital)	Latest:F:BO	ENG	[-255 to 255 / 0 / 1digit]
4-638-007	SSCG Noise Cancel (Digital)	Latest:L:RE	ENG	[-255 to 255 / 0 / 1digit]
4-638-008	SSCG Noise Cancel (Digital)	Latest:L:RO	ENG	[-255 to 255 / 0 / 1digit]
4-638-009	SSCG Noise Cancel (Digital)	Latest:L:GE	ENG	[-255 to 255 / 0 / 1digit]
4-638-010	SSCG Noise Cancel (Digital)	Latest:L:GO	ENG	[-255 to 255 / 0 / 1digit]
4-638-011	SSCG Noise Cancel (Digital)	Latest:L:BE	ENG	[-255 to 255 / 0 / 1digit]
4-638-012	SSCG Noise Cancel (Digital)	Latest:L:BO	ENG	[-255 to 255 / 0 / 1digit]
4-639-001	SSCG Noise Cancel (Analog)	Factory :F:RE	ENG	[-31 to 31 / 0 / 1digit]
4-639-002	SSCG Noise Cancel (Analog)	Factory :F:RO	ENG	[-31 to 31 / 0 / 1digit]
4-639-003	SSCG Noise Cancel (Analog)	Factory :F:GE	ENG	[-31 to 31 / 0 / 1digit]
4-639-004	SSCG Noise Cancel (Analog)	Factory :F:GO	ENG	[-31 to 31 / 0 / 1digit]
4-639-005	SSCG Noise Cancel (Analog)	Factory :F:BE	ENG	[-31 to 31 / 0 / 1digit]
4-639-006	SSCG Noise Cancel (Analog)	Factory :F:BO	ENG	[-31 to 31 / 0 / 1digit]
4-639-007	SSCG Noise Cancel (Analog)	Factory :L:RE	ENG	[-31 to 31 / 0 / 1digit]
4-639-008	SSCG Noise Cancel (Analog)	Factory :L:RO	ENG	[-31 to 31 / 0 / 1digit]
4-639-	SSCG Noise Cancel	Factory :L:GE	ENG	[-31 to 31 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009	(Analog)			
4-639-010	SSCG Noise Cancel (Analog)	Factory :L:GO	ENG	[-31 to 31 / 0 / 1digit]
4-639-011	SSCG Noise Cancel (Analog)	Factory :L:BE	ENG	[-31 to 31 / 0 / 1digit]
4-639-012	SSCG Noise Cancel (Analog)	Factory :L:BO	ENG	[-31 to 31 / 0 / 1digit]
4-640-001	SSCG Noise Cancel (Digital)	Factory :F:RE	ENG	[-255 to 255 / 0 / 1digit]
4-640-002	SSCG Noise Cancel (Digital)	Factory :F:RO	ENG	[-255 to 255 / 0 / 1digit]
4-640-003	SSCG Noise Cancel (Digital)	Factory :F:GE	ENG	[-255 to 255 / 0 / 1digit]
4-640-004	SSCG Noise Cancel (Digital)	Factory :F:GO	ENG	[-255 to 255 / 0 / 1digit]
4-640-005	SSCG Noise Cancel (Digital)	Factory :F:BE	ENG	[-255 to 255 / 0 / 1digit]
4-640-006	SSCG Noise Cancel (Digital)	Factory :F:BO	ENG	[-255 to 255 / 0 / 1digit]
4-640-007	SSCG Noise Cancel (Digital)	Factory :L:RE	ENG	[-255 to 255 / 0 / 1digit]
4-640-008	SSCG Noise Cancel (Digital)	Factory :L:RO	ENG	[-255 to 255 / 0 / 1digit]
4-640-009	SSCG Noise Cancel (Digital)	Factory :L:GE	ENG	[-255 to 255 / 0 / 1digit]
4-640-010	SSCG Noise Cancel (Digital)	Factory :L:GO	ENG	[-255 to 255 / 0 / 1digit]
4-640-011	SSCG Noise Cancel (Digital)	Factory :L:BE	ENG	[-255 to 255 / 0 / 1digit]
4-640-012	SSCG Noise Cancel (Digital)	Factory :L:BO	ENG	[-255 to 255 / 0 / 1digit]
4-641-001	SSCG Noise Amplitude	F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-641-002	SSCG Noise Amplitude	F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-641-	SSCG Noise Amplitude	L:RE	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
4-641-004	SSCG Noise Amplitude	L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-641-005	SSCG Noise Amplitude	F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-641-006	SSCG Noise Amplitude	F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-641-007	SSCG Noise Amplitude	L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-641-008	SSCG Noise Amplitude	L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-641-009	SSCG Noise Amplitude	F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-641-010	SSCG Noise Amplitude	F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-641-011	SSCG Noise Amplitude	L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-641-012	SSCG Noise Amplitude	L:BO	ENG	[0 to 1023 / 0 / 1digit]
4-646-001	Scan Adjust Error	White level:F	ENG	[0 to 65535 / 0 / 1]
4-646-002	Scan Adjust Error	Black level:F	ENG	[0 to 65535 / 0 / 1]
4-646-003	Scan Adjust Error	SSCG Correction:F	ENG	[0 to 65535 / 0 / 1]
4-646-004	Scan Adjust Error	White level:L	ENG	[0 to 65535 / 0 / 1]
4-646-005	Scan Adjust Error	Black level:L	ENG	[0 to 65535 / 0 / 1]
4-646-006	Scan Adjust Error	SSCG Correction:L	ENG	[0 to 65535 / 0 / 1]
4-646-007	Scan Adjust Error	FL Correction	ENG	[0 to 65535 / 0 / 1]
4-647-001	Scanner Hard Error	Power-ON	ENG	[0 to 65535 / 0 / 1]
4-651-	Black Level Adj	Latest:F:RE	ENG	[0 to 127 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Value(Analog)			
4-651-002	Black Level Adj Value(Analog)	Latest:F:RO	ENG	[0 to 127 / 0 / 1digit]
4-651-003	Black Level Adj Value(Analog)	Latest:L:RE	ENG	[0 to 127 / 0 / 1digit]
4-651-004	Black Level Adj Value(Analog)	Latest:L:RO	ENG	[0 to 127 / 0 / 1digit]
4-652-001	Black Level Adj Value(Analog)	Latest:F:GE	ENG	[0 to 127 / 0 / 1digit]
4-652-002	Black Level Adj Value(Analog)	Latest:F:GO	ENG	[0 to 127 / 0 / 1digit]
4-652-003	Black Level Adj Value(Analog)	Latest:L:GE	ENG	[0 to 127 / 0 / 1digit]
4-652-004	Black Level Adj Value(Analog)	Latest:L:GO	ENG	[0 to 127 / 0 / 1digit]
4-653-001	Black Level Adj Value(Analog)	Latest:F:BE	ENG	[0 to 127 / 0 / 1digit]
4-653-002	Black Level Adj Value(Analog)	Latest:F:BO	ENG	[0 to 127 / 0 / 1digit]
4-653-003	Black Level Adj Value(Analog)	Latest:L:BE	ENG	[0 to 127 / 0 / 1digit]
4-653-004	Black Level Adj Value(Analog)	Latest:L:BO	ENG	[0 to 127 / 0 / 1digit]
4-654-001	Black Level Adj Value(Digital)	Latest:F:RE	ENG	[0 to 16383 / 0 / 1digit]
4-654-002	Black Level Adj Value(Digital)	Latest:F:RO	ENG	[0 to 16383 / 0 / 1digit]
4-654-003	Black Level Adj Value(Digital)	Latest:L:RE	ENG	[0 to 16383 / 0 / 1digit]
4-654-004	Black Level Adj Value(Digital)	Latest:L:RO	ENG	[0 to 16383 / 0 / 1digit]
4-655-001	Black Level Adj Value(Digital)	Latest:F:GE	ENG	[0 to 16383 / 0 / 1digit]
4-655-002	Black Level Adj Value(Digital)	Latest:F:GO	ENG	[0 to 16383 / 0 / 1digit]
4-655-	Black Level Adj	Latest:L:GE	ENG	[0 to 16383 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Value(Digital)			
4-655-004	Black Level Adj Value(Digital)	Latest:L:GO	ENG	[0 to 16383 / 0 / 1digit]
4-656-001	Black Level Adj Value(Digital)	Latest:F:BE	ENG	[0 to 16383 / 0 / 1digit]
4-656-002	Black Level Adj Value(Digital)	Latest:F:BO	ENG	[0 to 16383 / 0 / 1digit]
4-656-003	Black Level Adj Value(Digital)	Latest:L:BE	ENG	[0 to 16383 / 0 / 1digit]
4-656-004	Black Level Adj Value(Digital)	Latest:L:BO	ENG	[0 to 16383 / 0 / 1digit]
4-658-001	Analog Gain Adjust	Latest:F:R	ENG	[0 to 14 / 0 / 1digit]
4-658-002	Analog Gain Adjust	Latest:L:R	ENG	[0 to 14 / 0 / 1digit]
4-659-001	Analog Gain Adjust	Latest:F:G	ENG	[0 to 14 / 0 / 1digit]
4-659-002	Analog Gain Adjust	Latest:L:G	ENG	[0 to 14 / 0 / 1digit]
4-660-001	Analog Gain Adjust	Latest:F:B	ENG	[0 to 14 / 0 / 1digit]
4-660-002	Analog Gain Adjust	Latest:L:B	ENG	[0 to 14 / 0 / 1digit]
4-661-001	Digital Gain Adjust	Latest:F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-661-002	Digital Gain Adjust	Latest:F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-661-003	Digital Gain Adjust	Latest:L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-661-004	Digital Gain Adjust	Latest:L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-662-001	Digital Gain Adjust	Latest:F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-662-002	Digital Gain Adjust	Latest:F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-662-	Digital Gain Adjust	Latest:L:GE	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
4-662-004	Digital Gain Adjust	Latest:L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-663-001	Digital Gain Adjust	Latest:F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-663-002	Digital Gain Adjust	Latest:F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-663-003	Digital Gain Adjust	Latest:L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-663-004	Digital Gain Adjust	Latest:L:BO	ENG	[0 to 1023 / 0 / 1digit]
4-670-001	Black Level Adj Value(Analog)	Factory Set:F:RE	ENG	[0 to 127 / 0 / 1digit]
4-670-002	Black Level Adj Value(Analog)	Factory Set:F:RO	ENG	[0 to 127 / 0 / 1digit]
4-670-003	Black Level Adj Value(Analog)	Factory Set:L:RE	ENG	[0 to 127 / 0 / 1digit]
4-670-004	Black Level Adj Value(Analog)	Factory Set:L:RO	ENG	[0 to 127 / 0 / 1digit]
4-671-001	Black Level Adj Value(Analog)	Factory Set:F:GE	ENG	[0 to 127 / 0 / 1digit]
4-671-002	Black Level Adj Value(Analog)	Factory Set:F:GO	ENG	[0 to 127 / 0 / 1digit]
4-671-003	Black Level Adj Value(Analog)	Factory Set:L:GE	ENG	[0 to 127 / 0 / 1digit]
4-671-004	Black Level Adj Value(Analog)	Factory Set:L:GO	ENG	[0 to 127 / 0 / 1digit]
4-672-001	Black Level Adj Value(Analog)	Factory Set:F:BE	ENG	[0 to 127 / 0 / 1digit]
4-672-002	Black Level Adj Value(Analog)	Factory Set:F:BO	ENG	[0 to 127 / 0 / 1digit]
4-672-003	Black Level Adj Value(Analog)	Factory Set:L:BE	ENG	[0 to 127 / 0 / 1digit]
4-672-004	Black Level Adj Value(Analog)	Factory Set:L:BO	ENG	[0 to 127 / 0 / 1digit]
4-673-	Black Level Adj	Factory :F:RE	ENG	[0 to 16383 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Value(Digital)			
4-673-002	Black Level Adj Value(Digital)	Factory :F:RO	ENG	[0 to 16383 / 0 / 1digit]
4-673-003	Black Level Adj Value(Digital)	Factory :L:RE	ENG	[0 to 16383 / 0 / 1digit]
4-673-004	Black Level Adj Value(Digital)	Factory :L:RO	ENG	[0 to 16383 / 0 / 1digit]
4-674-001	Black Level Adj Value(Digital)	Factory :F:GE	ENG	[0 to 16383 / 0 / 1digit]
4-674-002	Black Level Adj Value(Digital)	Factory :F:GO	ENG	[0 to 16383 / 0 / 1digit]
4-674-003	Black Level Adj Value(Digital)	Factory :L:GE	ENG	[0 to 16383 / 0 / 1digit]
4-674-004	Black Level Adj Value(Digital)	Factory :L:GO	ENG	[0 to 16383 / 0 / 1digit]
4-675-001	Black Level Adj Value(Digital)	Factory :F:BE	ENG	[0 to 16383 / 0 / 1digit]
4-675-002	Black Level Adj Value(Digital)	Factory :F:BO	ENG	[0 to 16383 / 0 / 1digit]
4-675-003	Black Level Adj Value(Digital)	Factory :L:BE	ENG	[0 to 16383 / 0 / 1digit]
4-675-004	Black Level Adj Value(Digital)	Factory :L:BO	ENG	[0 to 16383 / 0 / 1digit]
4-677-001	Analog Gain Adjust	Factory :F:R	ENG	[0 to 14 / 0 / 1digit]
4-677-002	Analog Gain Adjust	Factory :L:R	ENG	[0 to 14 / 0 / 1digit]
4-678-001	Analog Gain Adjust	Factory :F:G	ENG	[0 to 14 / 0 / 1digit]
4-678-002	Analog Gain Adjust	Factory :L:G	ENG	[0 to 14 / 0 / 1digit]
4-679-001	Analog Gain Adjust	Factory :F:B	ENG	[0 to 14 / 0 / 1digit]
4-679-002	Analog Gain Adjust	Factory :L:B	ENG	[0 to 14 / 0 / 1digit]
4-680-	Digital Gain Adjust	Factory :F:RE	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
4-680-002	Digital Gain Adjust	Factory :F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-680-003	Digital Gain Adjust	Factory :L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-680-004	Digital Gain Adjust	Factory :L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-681-001	Digital Gain Adjust	Factory :F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-681-002	Digital Gain Adjust	Factory :F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-681-003	Digital Gain Adjust	Factory :L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-681-004	Digital Gain Adjust	Factory :L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-682-001	Digital Gain Adjust	Factory :F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-682-002	Digital Gain Adjust	Factory :F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-682-003	Digital Gain Adjust	Factory :L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-682-004	Digital Gain Adjust	Factory :L:BO	ENG	[0 to 1023 / 0 / 1digit]
4-688-002	Scan Image Density Adjustment	1-pass DF	ENG	[80 to 120 / 98 / 1%]
4-690-001	White Level Peak Data	F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-690-002	White Level Peak Data	F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-690-003	White Level Peak Data	L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-690-004	White Level Peak Data	L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-691-001	White Level Peak Data	F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-691-	White Level Peak Data	F:GO	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
4-691-003	White Level Peak Data	L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-691-004	White Level Peak Data	L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-692-001	White Level Peak Data	F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-692-002	White Level Peak Data	F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-692-003	White Level Peak Data	L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-692-004	White Level Peak Data	L:BO	ENG	[0 to 1023 / 0 / 1digit]
4-693-001	Black Level Data	F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-693-002	Black Level Data	F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-693-003	Black Level Data	L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-693-004	Black Level Data	L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-694-001	Black Level Data	F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-694-002	Black Level Data	F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-694-003	Black Level Data	L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-694-004	Black Level Data	L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-695-001	Black Level Data	F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-695-002	Black Level Data	F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-695-003	Black Level Data	L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-695-	Black Level Data	L:BO	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
4-699-001	SBU Test Pattern Change		ENG	[0 to 255 / 0 / 1]
4-700-001	CIS ID Display		ENG	[0x00 to 0xFF / 0 / 1]
4-712-001	CIS GB Adj Value: R		ENG	[0 to 8191 / 4095 / 1digit]
4-713-001	CIS GB Adj Value: G		ENG	[0 to 8191 / 4095 / 1digit]
4-714-001	CIS GB Adj Value: B		ENG	[0 to 8191 / 4095 / 1digit]
4-745-001	CIS Image Level Error Flag		ENG	[0 to 65535 / 0 / 1]
4-746-001	CIS GB Adj Error Flag		ENG	[0 to 7 / 0 / 1]
4-747-001	CIS Hard Error Flag		ENG	[0 to 7 / 0 / 1]
4-748-001	CIS M-Scan White Level: Avg. R	Leading Edge	ENG	[0 to 255 / 0 / 1digit]
4-748-002	CIS M-Scan White Level: Avg. R	Trailing Edge	ENG	[0 to 255 / 0 / 1digit]
4-749-001	CIS M-Scan White Level: Avg. G	Leading Edge	ENG	[0 to 255 / 0 / 1digit]
4-749-002	CIS M-Scan White Level: Avg. G	Trailing Edge	ENG	[0 to 255 / 0 / 1digit]
4-750-001	CIS M-Scan White Level: Avg. B	Leading Edge	ENG	[0 to 255 / 0 / 1digit]
4-750-002	CIS M-Scan White Level: Avg. B	Trailing Edge	ENG	[0 to 255 / 0 / 1digit]
4-787-001	CIS White Level Peak Data: R	Factory Setting	ENG	[0 to 255 / 0 / 1digit]
4-788-001	CIS White Level Peak Data: G	Factory Setting	ENG	[0 to 255 / 0 / 1digit]
4-789-001	CIS White Level Peak Data: B	Factory Setting	ENG	[0 to 255 / 0 / 1digit]
4-790-	CIS White Level Peak Data: R		ENG	[0 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
4-791-001	CIS White Level Peak Data: G		ENG	[0 to 255 / 0 / 1digit]
4-792-001	CIS White Level Peak Data: B		ENG	[0 to 255 / 0 / 1digit]
4-793-001	CIS Black Level Data: R	Chip1	ENG	[0 to 255 / 0 / 1digit]
4-793-002	CIS Black Level Data: R	Chip2	ENG	[0 to 255 / 0 / 1digit]
4-793-003	CIS Black Level Data: R	Chip3	ENG	[0 to 255 / 0 / 1digit]
4-793-004	CIS Black Level Data: R	Chip4	ENG	[0 to 255 / 0 / 1digit]
4-793-005	CIS Black Level Data: R	Chip5	ENG	[0 to 255 / 0 / 1digit]
4-793-006	CIS Black Level Data: R	Chip6	ENG	[0 to 255 / 0 / 1digit]
4-793-007	CIS Black Level Data: R	Chip7	ENG	[0 to 255 / 0 / 1digit]
4-793-008	CIS Black Level Data: R	Chip8	ENG	[0 to 255 / 0 / 1digit]
4-793-009	CIS Black Level Data: R	Chip9	ENG	[0 to 255 / 0 / 1digit]
4-793-010	CIS Black Level Data: R	Chip10	ENG	[0 to 255 / 0 / 1digit]
4-793-011	CIS Black Level Data: R	Chip11	ENG	[0 to 255 / 0 / 1digit]
4-793-012	CIS Black Level Data: R	Chip12	ENG	[0 to 255 / 0 / 1digit]
4-793-013	CIS Black Level Data: R	Chip13	ENG	[0 to 255 / 0 / 1digit]
4-793-014	CIS Black Level Data: R	Chip14	ENG	[0 to 255 / 0 / 1digit]
4-793-015	CIS Black Level Data: R	Chip15	ENG	[0 to 255 / 0 / 1digit]
4-793-	CIS Black Level Data: R	Chip16	ENG	[0 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
4-793-017	CIS Black Level Data: R	Chip17	ENG	[0 to 255 / 0 / 1digit]
4-793-018	CIS Black Level Data: R	Chip18	ENG	[0 to 255 / 0 / 1digit]
4-793-019	CIS Black Level Data: R	Chip19	ENG	[0 to 255 / 0 / 1digit]
4-793-020	CIS Black Level Data: R	Chip20	ENG	[0 to 255 / 0 / 1digit]
4-793-021	CIS Black Level Data: R	Chip21	ENG	[0 to 255 / 0 / 1digit]
4-793-022	CIS Black Level Data: R	Chip22	ENG	[0 to 255 / 0 / 1digit]
4-793-023	CIS Black Level Data: R	Chip23	ENG	[0 to 255 / 0 / 1digit]
4-793-024	CIS Black Level Data: R	Chip24	ENG	[0 to 255 / 0 / 1digit]
4-794-001	CIS Black Level Data: G	Chip1	ENG	[0 to 255 / 0 / 1digit]
4-794-002	CIS Black Level Data: G	Chip2	ENG	[0 to 255 / 0 / 1digit]
4-794-003	CIS Black Level Data: G	Chip3	ENG	[0 to 255 / 0 / 1digit]
4-794-004	CIS Black Level Data: G	Chip4	ENG	[0 to 255 / 0 / 1digit]
4-794-005	CIS Black Level Data: G	Chip5	ENG	[0 to 255 / 0 / 1digit]
4-794-006	CIS Black Level Data: G	Chip6	ENG	[0 to 255 / 0 / 1digit]
4-794-007	CIS Black Level Data: G	Chip7	ENG	[0 to 255 / 0 / 1digit]
4-794-008	CIS Black Level Data: G	Chip8	ENG	[0 to 255 / 0 / 1digit]
4-794-009	CIS Black Level Data: G	Chip9	ENG	[0 to 255 / 0 / 1digit]
4-794-	CIS Black Level Data: G	Chip10	ENG	[0 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
4-794-011	CIS Black Level Data: G	Chip11	ENG	[0 to 255 / 0 / 1digit]
4-794-012	CIS Black Level Data: G	Chip12	ENG	[0 to 255 / 0 / 1digit]
4-794-013	CIS Black Level Data: G	Chip13	ENG	[0 to 255 / 0 / 1digit]
4-794-014	CIS Black Level Data: G	Chip14	ENG	[0 to 255 / 0 / 1digit]
4-794-015	CIS Black Level Data: G	Chip15	ENG	[0 to 255 / 0 / 1digit]
4-794-016	CIS Black Level Data: G	Chip16	ENG	[0 to 255 / 0 / 1digit]
4-794-017	CIS Black Level Data: G	Chip17	ENG	[0 to 255 / 0 / 1digit]
4-794-018	CIS Black Level Data: G	Chip18	ENG	[0 to 255 / 0 / 1digit]
4-794-019	CIS Black Level Data: G	Chip19	ENG	[0 to 255 / 0 / 1digit]
4-794-020	CIS Black Level Data: G	Chip20	ENG	[0 to 255 / 0 / 1digit]
4-794-021	CIS Black Level Data: G	Chip21	ENG	[0 to 255 / 0 / 1digit]
4-794-022	CIS Black Level Data: G	Chip22	ENG	[0 to 255 / 0 / 1digit]
4-794-023	CIS Black Level Data: G	Chip23	ENG	[0 to 255 / 0 / 1digit]
4-794-024	CIS Black Level Data: G	Chip24	ENG	[0 to 255 / 0 / 1digit]
4-795-001	CIS Black Level Data: B	Chip1	ENG	[0 to 255 / 0 / 1digit]
4-795-002	CIS Black Level Data: B	Chip2	ENG	[0 to 255 / 0 / 1digit]
4-795-003	CIS Black Level Data: B	Chip3	ENG	[0 to 255 / 0 / 1digit]
4-795-	CIS Black Level Data: B	Chip4	ENG	[0 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
4-795-005	CIS Black Level Data: B	Chip5	ENG	[0 to 255 / 0 / 1digit]
4-795-006	CIS Black Level Data: B	Chip6	ENG	[0 to 255 / 0 / 1digit]
4-795-007	CIS Black Level Data: B	Chip7	ENG	[0 to 255 / 0 / 1digit]
4-795-008	CIS Black Level Data: B	Chip8	ENG	[0 to 255 / 0 / 1digit]
4-795-009	CIS Black Level Data: B	Chip9	ENG	[0 to 255 / 0 / 1digit]
4-795-010	CIS Black Level Data: B	Chip10	ENG	[0 to 255 / 0 / 1digit]
4-795-011	CIS Black Level Data: B	Chip11	ENG	[0 to 255 / 0 / 1digit]
4-795-012	CIS Black Level Data: B	Chip12	ENG	[0 to 255 / 0 / 1digit]
4-795-013	CIS Black Level Data: B	Chip13	ENG	[0 to 255 / 0 / 1digit]
4-795-014	CIS Black Level Data: B	Chip14	ENG	[0 to 255 / 0 / 1digit]
4-795-015	CIS Black Level Data: B	Chip15	ENG	[0 to 255 / 0 / 1digit]
4-795-016	CIS Black Level Data: B	Chip16	ENG	[0 to 255 / 0 / 1digit]
4-795-017	CIS Black Level Data: B	Chip17	ENG	[0 to 255 / 0 / 1digit]
4-795-018	CIS Black Level Data: B	Chip18	ENG	[0 to 255 / 0 / 1digit]
4-795-019	CIS Black Level Data: B	Chip19	ENG	[0 to 255 / 0 / 1digit]
4-795-020	CIS Black Level Data: B	Chip20	ENG	[0 to 255 / 0 / 1digit]
4-795-021	CIS Black Level Data: B	Chip21	ENG	[0 to 255 / 0 / 1digit]
4-795-	CIS Black Level Data: B	Chip22	ENG	[0 to 255 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
4-795-023	CIS Black Level Data: B	Chip23	ENG	[0 to 255 / 0 / 1digit]
4-795-024	CIS Black Level Data: B	Chip24	ENG	[0 to 255 / 0 / 1digit]
4-796-001	Low Density Color Correction	Front Side	ENG	[0 to 3 / 0 / 1] 0: OFF 1: WEAK 2: MEDIUM 3: STRONG
4-796-002	Low Density Color Correction	Rear Side	ENG	[0 to 3 / 0 / 1] 0: OFF 1: WEAK 2: MEDIUM 3: STRONG
4-797-001	Rear Side: Digital AE	Low Limit Setting	ENG	[0 to 1023 / 364 / 1]
4-797-002	Rear Side: Digital AE	Background Erase Level	ENG	[512 to 1535 / 972 / 1]
4-798-001	CIS LED Duty		ENG	[0 to 65535 / 0 / 1]
4-799-001	CIS TEST Pattern	select	ENG	[0 to 5 / 0 / 1] 0:Scanned Image 1: Fixed Value Pattern 2: EO Fixed Value Pattern 3: Main Scan Gradation 4: Sub Scan Gradation 5: Grid Pattern
4-799-002	CIS TEST Pattern	Even Output Level Setting	ENG	[0 to 4095 / 0 / 1digit]
4-799-003	CIS TEST Pattern	Odd Output Level Setting	ENG	[0 to 4095 / 0 / 1digit]
4-802-001	Scanner Free run	DF mode :Lamp Off	ENG	[0 to 1 / 0 / 1]
4-802-	Scanner Free run	DF mode :Lamp On	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
4-804-001	Home Position Operation		ENG	[0 to 1 / 0 / 1]
4-806-001	Scan Carriage Retract Op		ENG	[0 to 1 / 0 / 1]
4-813-001	ALC Selection	FC	ENG	[0 to 1 / 1 / 1]
4-813-002	ALC Selection	BW	ENG	[0 to 1 / 1 / 1]
4-850-001	PWM	Latest	ENG	[0 to 8191 / 0 / 1digit]
4-850-002	PWM	Factory Setting	ENG	[0 to 8191 / 0 / 1digit]
4-851-001	LED White Level Peak Read	Latest:F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-851-002	LED White Level Peak Read	Latest:F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-851-003	LED White Level Peak Read	Latest:F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-851-004	LED White Level Peak Read	Latest:F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-851-005	LED White Level Peak Read	Latest:F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-851-006	LED White Level Peak Read	Latest:F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-851-007	LED White Level Peak Read	Latest:L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-851-008	LED White Level Peak Read	Latest:L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-851-009	LED White Level Peak Read	Latest:L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-851-010	LED White Level Peak Read	Latest:L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-851-011	LED White Level Peak Read	Latest:L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-851-	LED White Level Peak	Latest:L:BO	ENG	[0 to 1023 / 0 / 1digit]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Read			
4-852-001	LED White Level Peak Read	Factory Setting:F:RE	ENG	[0 to 1023 / 0 / 1digit]
4-852-002	LED White Level Peak Read	Factory Setting:F:RO	ENG	[0 to 1023 / 0 / 1digit]
4-852-003	LED White Level Peak Read	Factory Setting:F:GE	ENG	[0 to 1023 / 0 / 1digit]
4-852-004	LED White Level Peak Read	Factory Setting:F:GO	ENG	[0 to 1023 / 0 / 1digit]
4-852-005	LED White Level Peak Read	Factory Setting:F:BE	ENG	[0 to 1023 / 0 / 1digit]
4-852-006	LED White Level Peak Read	Factory Setting:F:BO	ENG	[0 to 1023 / 0 / 1digit]
4-852-007	LED White Level Peak Read	Factory Setting:L:RE	ENG	[0 to 1023 / 0 / 1digit]
4-852-008	LED White Level Peak Read	Factory Setting:L:RO	ENG	[0 to 1023 / 0 / 1digit]
4-852-009	LED White Level Peak Read	Factory Setting:L:GE	ENG	[0 to 1023 / 0 / 1digit]
4-852-010	LED White Level Peak Read	Factory Setting:L:GO	ENG	[0 to 1023 / 0 / 1digit]
4-852-011	LED White Level Peak Read	Factory Setting:L:BE	ENG	[0 to 1023 / 0 / 1digit]
4-852-012	LED White Level Peak Read	Factory Setting:L:BO	ENG	[0 to 1023 / 0 / 1digit]
4-901-020	Background Erase	Blue Original (Lighter)	ENG	[-128 to 127 / 0 / 1]
4-901-021	Background Erase	Blue Original (Normal)	ENG	[-128 to 127 / 0 / 1]
4-901-022	Background Erase	Blue Original (Darker)	ENG	[-128 to 127 / 0 / 1]
4-903-001	Filter Setting	Ind Dot Erase: Text	ENG	[0 to 7 / 0 / 1]
4-903-002	Filter Setting	Ind Dot Erase: Generation Copy	ENG	[0 to 7 / 0 / 1]
4-905-	Select Gradation Level		ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
4-918-009	Man Gamma Adj		ENG	[0 to 0 / 0 / 0]
4-954-005	Read/Restore Std	Chromaticity Rank	ENG	[0 to 255 / 0 / 1]
4-958-005	Read/Restore Std: Rear	Chromaticity Rank	ENG	[0 to 255 / 0 / 1]
4-993-001	High Light Correction	Sensitivity Selection	ENG	[0 to 9 / 4 / 1]
4-993-002	High Light Correction	Range Selection	ENG	[0 to 9 / 4 / 1]
4-994-001	Adj Txt/Photo Recog Level	High Compression PDF	ENG	[0 to 2 / 1 / 1]
4-996-001	White Paper Detection Level		ENG	[0 to 6 / 3 / 1]

SP Group 5000 (Engine)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-126-001	Set F-size Document		ENG	[0 to 2 / 0 / 1] 0: 8 1/2 x13 1: 8 1/4 x13 2: 8 x13
5-131-001	Paper Size Type Selection	0:JP 1:NA 2:EU	ENG	[0 to 2 / 0 / 1] 0: JP 1: NA (Default for NA) 2: EU (Default for EU, CN)
5-135-001	LG_Oficio Change		ENG	[0 to 1 / 0 / 1]
5-185-001	TCRU: Set Machine		ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-186-001	RK4		ENG	[0 to 1 / 0 / 1]
5-789-001	Custom Paper Value Initialize	Custom Paper	ENG	[0 to 100 / 0 / 1]
5-801-002	Memory Clear	Engine	ENG	[0 to 1 / 0 / 1]
5-802-004	Free Run	OFF/ON	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON
5-803-001	Input Check	Paper Feed 1	ENG	[0 to 0xFF / 0 / 1]
5-803-002	Input Check	Paper Feed 2	ENG	[0 to 0xFF / 0 / 1]
5-803-003	Input Check	Paper Feed 3	ENG	[0 to 0xFF / 0 / 1]
5-803-004	Input check	Paper Feed 4	ENG	[0 to 0xFF / 0 / 1]
5-803-005	Input check	Paper Feed 5	ENG	[0 to 0xFF / 0 / 1]
5-803-	Input check	Paper Feed 6	ENG	[0 to 0xFF / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				
5-803-007	Input check	Paper Feed 7	ENG	[0 to 0xFF / 0 / 1]
5-803-008	Input check	Paper Feed 8	ENG	[0 to 0xFF / 0 / 1]
5-803-009	Input check	Paper Feed 9	ENG	[0 to 0xFF / 0 / 1]
5-803-010	Input check	Paper Feed 10	ENG	[0 to 0xFF / 0 / 1]
5-803-027	Input Check	LCT-CPU-Port1	ENG	[0 to 0xFF / 0 / 1]
5-803-028	Input Check	LCT-CPU-Port7	ENG	[0 to 0xFF / 0 / 1]
5-803-029	Input Check	LCT-CPU-Port9	ENG	[0 to 0xFF / 0 / 1]
5-803-030	Input Check	LCT-eIO1-PortB	ENG	[0 to 0xFF / 0 / 1]
5-803-031	Input Check	LCT-eIO1-PortC	ENG	[0 to 0xFF / 0 / 1]
5-803-032	Input Check	LCT-eIO1-PortD	ENG	[0 to 0xFF / 0 / 1]
5-803-033	Input Check	LCT-eIO2-PortB	ENG	[0 to 0xFF / 0 / 1]
5-803-034	Input Check	LCT-eIO2-PortC	ENG	[0 to 0xFF / 0 / 1]
5-803-035	Input Check	LCT-eIO2-PortD	ENG	[0 to 0xFF / 0 / 1]
5-803-036	Input Check	LCT-eIO3-PortB	ENG	[0 to 0xFF / 0 / 1]
5-803-037	Input Check	LCT-eIO3-PortC	ENG	[0 to 0xFF / 0 / 1]
5-803-038	Input Check	LCT-eIO3-PortD	ENG	[0 to 0xFF / 0 / 1]
5-803-039	Input Check	LCT-eIO4-PortB	ENG	[0 to 0xFF / 0 / 1]
5-803-	Input Check	LCT-eIO4-PortC	ENG	[0 to 0xFF / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				
5-803-041	Input Check	LCT-eIO4-PortD	ENG	[0 to 0xFF / 0 / 1]
5-803-051	INPUT CHECK	VODKA1 GPIO1	ENG	[0 to 255 / 0 / 1]
5-803-053	INPUT CHECK	VODKA1 GPIO3	ENG	[0 to 255 / 0 / 1]
5-803-057	INPUT CHECK	VODKA1 GPIO7	ENG	[0 to 255 / 0 / 1]
5-803-058	INPUT CHECK	VODKA1 GPIO8	ENG	[0 to 255 / 0 / 1]
5-803-061	INPUT CHECK	VODKA1 GPIO11	ENG	[0 to 255 / 0 / 1]
5-803-062	INPUT CHECK	VODKA1 GPIO12	ENG	[0 to 255 / 0 / 1]
5-803-063	INPUT CHECK	VODKA1 GPIO13	ENG	[0 to 255 / 0 / 1]
5-803-067	INPUT CHECK	VODKA1 GPIO17	ENG	[0 to 255 / 0 / 1]
5-803-082	INPUT CHECK	VODKA2 GPIO1	ENG	[0 to 255 / 0 / 1]
5-803-090	INPUT CHECK	VODKA2 GPIO9	ENG	[0 to 255 / 0 / 1]
5-803-091	INPUT CHECK	VODKA2 GPIO10	ENG	[0 to 255 / 0 / 1]
5-803-092	INPUT CHECK	VODKA2 GPIO11	ENG	[0 to 255 / 0 / 1]
5-803-093	INPUT CHECK	VODKA2 GPIO12	ENG	[0 to 255 / 0 / 1]
5-803-094	INPUT CHECK	VODKA2 GPIO13	ENG	[0 to 255 / 0 / 1]
5-803-098	INPUT CHECK	VODKA2 GPIO17	ENG	[0 to 255 / 0 / 1]
5-803-108	INPUT CHECK	VODKA2 GPIO27	ENG	[0 to 255 / 0 / 1]
5-803-	INPUT CHECK	VODKA3 GPIO1	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
113				
5-803-114	INPUT CHECK	VODKA3 GPIO2	ENG	[0 to 255 / 0 / 1]
5-803-119	INPUT CHECK	VODKA3 GPIO7	ENG	[0 to 255 / 0 / 1]
5-803-120	INPUT CHECK	VODKA3 GPIO8	ENG	[0 to 255 / 0 / 1]
5-803-122	INPUT CHECK	VODKA3 GPIO10	ENG	[0 to 255 / 0 / 1]
5-803-123	INPUT CHECK	VODKA3 GPIO11	ENG	[0 to 255 / 0 / 1]
5-803-125	INPUT CHECK	VODKA3 GPIO13	ENG	[0 to 255 / 0 / 1]
5-803-129	INPUT CHECK	VODKA3 GPIO17	ENG	[0 to 255 / 0 / 1]
5-803-134	INPUT CHECK	VODKA3 GPIO22	ENG	[0 to 255 / 0 / 1]
5-803-140	INPUT CHECK	VODKA3 GPIO28	ENG	[0 to 255 / 0 / 1]
5-803-142	INPUT CHECK	VODKA3 GPIO30	ENG	[0 to 255 / 0 / 1]
5-803-144	INPUT CHECK	VODKA4 GPIO1	ENG	[0 to 255 / 0 / 1]
5-803-145	INPUT CHECK	VODKA4 GPIO2	ENG	[0 to 255 / 0 / 1]
5-803-146	INPUT CHECK	VODKA4 GPIO3	ENG	[0 to 255 / 0 / 1]
5-803-150	INPUT CHECK	VODKA4 GPIO7	ENG	[0 to 255 / 0 / 1]
5-803-151	INPUT CHECK	VODKA4 GPIO8	ENG	[0 to 255 / 0 / 1]
5-803-153	INPUT CHECK	VODKA4 GPIO10	ENG	[0 to 255 / 0 / 1]
5-803-154	INPUT CHECK	VODKA4 GPIO11	ENG	[0 to 255 / 0 / 1]
5-803-	INPUT CHECK	VODKA4 GPIO14	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
157				
5-803-158	INPUT CHECK	VODKA4 GPIO15	ENG	[0 to 255 / 0 / 1]
5-803-160	INPUT CHECK	VODKA4 GPIO17	ENG	[0 to 255 / 0 / 1]
5-803-162	INPUT CHECK	VODKA4 GPIO19	ENG	[0 to 255 / 0 / 1]
5-803-163	INPUT CHECK	VODKA4 GPIO20	ENG	[0 to 255 / 0 / 1]
5-803-164	INPUT CHECK	VODKA4 GPIO21	ENG	[0 to 255 / 0 / 1]
5-803-175	Input check	Dev Unit Non Compatiblity Detect	ENG	[0 to 1 / 0 / 1]
5-803-176	Input check	Toner Bottle Sensor1	ENG	[0 to 1 / 0 / 1]
5-803-177	Input check	Toner Bottle Sensor2	ENG	[0 to 1 / 0 / 1]
5-803-178	Input check	Toner Bottle Chuck Sensor1	ENG	[0 to 1 / 0 / 1]
5-803-179	Input check	Toner Bottle Chuck Sensor2	ENG	[0 to 1 / 0 / 1]
5-803-180	Input check	Toner EmptySensor	ENG	[0 to 1 / 0 / 1]
5-803-181	Input check	Toner Bottle Cover SW(On/Off)	ENG	[0 to 1 / 0 / 1]
5-803-182	Input check	Toner Collection Bottle Full Sn	ENG	[0 to 1 / 0 / 1]
5-803-183	Input check	Toner Collection Bottle Near Full Sn	ENG	[0 to 1 / 0 / 1]
5-803-184	Input check	Toner Collection Set Sn	ENG	[0 to 1 / 0 / 1]
5-803-185	Input check	Waste Toner Lock Sn	ENG	[0 to 1 / 0 / 1]
5-803-186	Input check	Drum Cleaning Unit Set Detect	ENG	[0 to 1 / 0 / 1]
5-803-	Input check	Drum Cleaning Unit:Lubricant Bar	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
187		End Detect		
5-803-188	Input check	Belt Cleanig Unit Set Detect Sn	ENG	[0 to 1 / 0 / 1]
5-803-189	Input check	Paper Transfer Contact Sn	ENG	[0 to 1 / 0 / 1]
5-803-190	Input Check	Wire Cleaner Position Sn	ENG	[0 to 1 / 0 / 1]
5-803-200	Input Check	HP Senser	ENG	[0 to 1 / 0 / 1]
5-803-201	INPUT Check	Platen ADF Sensor	ENG	[0 to 1 / 0 / 1]
5-804-001	Output Check	Feed Mtr 1 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-002	Output Check	Feed Mtr 1 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-003	Output Check	Feed Mtr 1 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-004	Output Check	Feed Mtr 1 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-005	Output Check	Feed Mtr 2 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-006	Output Check	Feed Mtr 2 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-007	Output Check	Feed Mtr 2 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-008	Output Check	Feed Mtr 2 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-009	Output Check	Feed Mtr 3 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-010	Output Check	Feed Mtr 3 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-011	Output Check	Feed Mtr 3 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-012	Output Check	Feed Mtr 3 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Bypass Grip Mtr 1 (Speed 1)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
5-804-014	Output Check	Bypass Grip Mtr 1 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-015	Output Check	Bypass Grip Mtr 1 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-016	Output Check	Bypass Grip Mtr 1 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-017	Output Check	Bypass Grip Mtr 1 (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-018	Output Check	Bypass Grip Mtr 1 (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-019	Output Check	Bypass Grip Mtr 2 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-020	Output Check	Bypass Grip Mtr 2 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-021	Output Check	Bypass Grip Mtr 2 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-022	Output Check	Bypass Grip Mtr 2 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-023	Output Check	Bypass Grip Mtr 2 (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-024	Output Check	Bypass Grip Mtr 2 (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-025	Output Check	Bypass Grip Mtr 3 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-026	Output Check	Bypass Grip Mtr 3 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-027	Output Check	Bypass Grip Mtr 3 (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-028	Output Check	Bypass Grip Mtr 3 (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-029	Output Check	Bypass Grip Mtr 3 (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-030	Output Check	Bypass Grip Mtr 3 (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Bypass V-Transport (Speed 1)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				
5-804-032	Output Check	Bypass V-Transport (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-033	Output Check	Bypass V-Transport (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-034	Output Check	Bypass V-Transport (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-035	Output Check	Bank Exit Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-036	Output Check	Bank Exit Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-037	Output Check	Bank Exit Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-038	Output Check	Bank Exit Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-039	Output Check	Bank Exit Mtr (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-040	Output Check	Bank Exit Mtr (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-041	Output Check	Registration Entrance Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-042	Output Check	Registration Entrance Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-043	Output Check	Registration Entrance Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-044	Output Check	Registration Entrance Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-045	Output Check	Registration Entrance Mtr (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-046	Output Check	Registration Entrance Mtr (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-047	Output Check	Registration Timing Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-048	Output Check	Registration Timing Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Registration Timing Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				
5-804-050	Output Check	Registration Timing Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-051	Output Check	Registration Timing Mtr (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-052	Output Check	Registration Timing Mtr (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-053	Output Check	Transfer Timing Motor (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-054	Output Check	Transfer Timing Motor (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-055	Output Check	Transfer Timing Motor (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-056	Output Check	Transfer Timing Motor (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-057	Output Check	Inverter/Entrance Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-058	Output Check	Inverter/Entrance Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-059	Output Check	Inverter/Entrance Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-060	Output Check	Inverter/Entrance Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-061	Output Check	Inverter/Entrance Mtr (Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-062	Output Check	Inverter/Entrance Mtr (Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-063	Output Check	Exit/Inverter Mtr (Fwd:Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-064	Output Check	Exit/Inverter Mtr (Fwd:Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-065	Output Check	Exit/Inverter Mtr (Fwd:Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-066	Output Check	Exit/Inverter Mtr (Fwd:Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Exit/Inverter Mtr (Fwd:Speed 5)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				
5-804-068	Output Check	Exit/Inverter Mtr (Fwd:Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-069	Output Check	Exit/Inverter Mtr (Rev:Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-070	Output Check	Exit/Inverter Mtr (Rev:Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-071	Output Check	Exit/Inverter Mtr (Rev:Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-072	Output Check	Exit/Inverter Mtr (Rev:Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-073	Output Check	Exit/Inverter Mtr (Rev:Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-074	Output Check	Exit/Inverter Mtr (Rev:Speed 6)	ENG	[0 to 1 / 0 / 1]
5-804-075	Output Check	Duplex/Inverter Mtr (Fwd:Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-076	Output Check	Duplex/Inverter Mtr (Fwd:Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-077	Output Check	Duplex/Inverter Mtr (Fwd:Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-078	Output Check	Duplex/Inverter Mtr (Fwd:Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-079	Output Check	Duplex/Inverter Mtr (Fwd:Speed 5)	ENG	[0 to 1 / 0 / 1]
5-804-080	Output Check	Duplex/Inverter Mtr (Rev:Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-081	Output Check	Duplex/Inverter Mtr (Rev:Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-082	Output Check	Dup Trans Mtr1 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-083	Output Check	Dup Trans Mtr1 (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-084	Output Check	Dup Trans Mtr2 (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Dup Trans Mtr2 (Speed 2)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
085				
5-804-086	Output Check	Paper Ejection Motor (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-087	Output Check	Paper Ejection Motor (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-088	Output Check	Paper Ejection Motor (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-089	Output Check	Paper Ejection Motor (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-090	Output Check	Rotary Gate Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-091	Output Check	Rotary Gate Motor (pos1)	ENG	[0 to 1 / 0 / 1]
5-804-092	Output Check	Rotary Gate Motor (pos2)	ENG	[0 to 1 / 0 / 1]
5-804-093	Output Check	Rotary Gate Motor (Drive:Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-094	Output Check	Rotary Gate Motor (Drive:Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-095	Output Check	Rotary Gate Motor (Drive:Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-096	Output Check	Unit Shift Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-097	Output Check	Unit Shift Motor (Drive)	ENG	[0 to 1 / 0 / 1]
5-804-098	Output Check	Rear Shift Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-099	Output Check	Rear Shift Motor (Drive)	ENG	[0 to 1 / 0 / 1]
5-804-100	Output Check	Relay Separate Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-101	Output Check	Relay Separate Motor (Drive)	ENG	[0 to 1 / 0 / 1]
5-804-102	Output Check	LCT Relay Separate Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	LCT Relay Separate Motor (Drive)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
5-804-104	Output Check	Exit/Inverter Separate Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-105	Output Check	Exit/Inverter Separate Motor (Drive)	ENG	[0 to 1 / 0 / 1]
5-804-106	Output Check	1st Tray: Bottom Plate (Lift: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-107	Output Check	1st Tray: Bottom Plate (Lower: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-108	Output Check	2nd Tray: Bottom Plate (Lift: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-109	Output Check	2nd Tray: Bottom Plate (Lower: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-110	Output Check	3rd Tray: Bottom Plate (Lift: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-111	Output Check	3rd Tray: Bottom Plate (Lower: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-112	Output Check	Rear Fence Motor (Fwd: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-113	Output Check	Rear Fence Motor (Rev: 1 s)	ENG	[0 to 1 / 0 / 1]
5-804-116	Output Check	1st Tray: PickUp SOL	ENG	[0 to 1 / 0 / 1]
5-804-117	Output Check	2nd Tray: PickUp SOL	ENG	[0 to 1 / 0 / 1]
5-804-118	Output Check	3rd Tray: PickUp SOL	ENG	[0 to 1 / 0 / 1]
5-804-119	Output Check	Inverter JG SOL	ENG	[0 to 1 / 0 / 1]
5-804-120	Output Check	Lock SOL	ENG	[0 to 1 / 0 / 1]
5-804-121	Output Check	Connect SOL	ENG	[0 to 1 / 0 / 1]
5-804-122	Output Check	Rear Side Fence SOL	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Front Side Fence SOL	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
123				
5-804-124	Output Check	Bank LED: 1st Tray	ENG	[0 to 1 / 0 / 1]
5-804-125	Output Check	Bank LED: 2nd Tray	ENG	[0 to 1 / 0 / 1]
5-804-126	Output Check	Bank LED: 3rd Tray	ENG	[0 to 1 / 0 / 1]
5-804-127	Output Check	De-curler Unit Move:Lower Default	ENG	[0 to 1 / 0 / 1]
5-804-128	Output Check	De-curler Unit Move:Upper Default	ENG	[0 to 1 / 0 / 1]
5-804-129	Output Check	De-curl Trans Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-130	Output Check	De-curl Trans Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-131	Output Check	De-curl Trans Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-132	Output Check	De-curl Trans Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-133	Output Check	De-curl Trans Mtr (Reverse)	ENG	[0 to 1 / 0 / 1]
5-804-134	Output Check	Exit JG Motor (HP)	ENG	[0 to 1 / 0 / 1]
5-804-135	Output Check	Exit JG Motor (Drive)	ENG	[0 to 1 / 0 / 1]
5-804-144	Output Check	Dev Motor (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-145	Output Check	Dev Motor (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-146	Output Check	Dev Motor (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-147	Output Check	Dev Motor (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-148	Output Check	Drum CL Mtr (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Drum CL Mtr (Speed 2)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
149				
5-804-150	Output Check	Drum CL Mtr (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-151	Output Check	Drum CL Mtr (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-160	Output Check	TH Paper Feed Motor (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-161	Output Check	TH Paper Feed Motor (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-162	Output Check	TH Paper Feed Motor (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-163	Output Check	TH Paper Feed Motor (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-164	Output Check	Fusing Motor (Speed 1)	ENG	[0 to 1 / 0 / 1]
5-804-165	Output Check	Fusing Motor (Speed 2)	ENG	[0 to 1 / 0 / 1]
5-804-166	Output Check	Fusing Motor (Speed 3)	ENG	[0 to 1 / 0 / 1]
5-804-167	Output Check	Fusing Motor (Speed 4)	ENG	[0 to 1 / 0 / 1]
5-804-168	Output Check	Waste Toner Transport Motor	ENG	[0 to 1 / 0 / 1]
5-804-169	Output Check	ITB:Steering Control Mtr(HP)	ENG	[0 to 1 / 0 / 1]
5-804-175	Output Check	Scananer Lamp	ENG	[0 to 1 / 0 / 1]
5-804-180	Output Check	A4LCT Tray4 Paper Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-181	Output Check	A4LCT Tray4 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-182	Output Check	A4LCT Tray5 Paper Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-183	Output Check	A4LCT Tray5 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	A4LCT Tray6 Paper Feed STM	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
184		High		
5-804-185	Output Check	A4LCT Tray6 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-186	Output Check	A4LCT Tray4 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-187	Output Check	A4LCT Tray4 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-188	Output Check	A4LCT Tray5 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-189	Output Check	A4LCT Tray5 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-190	Output Check	A4LCT Tray6 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-191	Output Check	A4LCT Tray6 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-192	Output Check	A4LCT V-Transport 1 STM High	ENG	[0 to 1 / 0 / 1]
5-804-193	Output Check	A4LCT V-Transport 1 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-194	Output Check	A4LCT V-Transport 2 STM High	ENG	[0 to 1 / 0 / 1]
5-804-195	Output Check	A4LCT V-Transport 2 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-196	Output Check	A4LCT V-Transport 3 STM High	ENG	[0 to 1 / 0 / 1]
5-804-197	Output Check	A4LCT V-Transport 3 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-198	Output Check	A4LCT Exit STM High	ENG	[0 to 1 / 0 / 1]
5-804-199	Output Check	A4LCT Exit STM Low	ENG	[0 to 1 / 0 / 1]
5-804-200	Output Check	A4LCT Exit Roller Contact STM	ENG	[0 to 1 / 0 / 1]
5-804-201	Output Check	A4LCT Tray4 Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	A4LCT Tray5 Pickup SOL	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
202				
5-804-203	Output Check	A4LCT Tray6 Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-204	Output Check	A3LCT Tray4 Paper Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-205	Output Check	A3LCT Tray4 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-206	Output Check	A3LCT Tray5 Paper Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-207	Output Check	A3LCT Tray5 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-208	Output Check	A3LCT Tray6 Paper Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-209	Output Check	A3LCT Tray6 Paper Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-210	Output Check	A3LCT Tray4 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-211	Output Check	A3LCT Tray4 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-212	Output Check	A3LCT Tray5 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-213	Output Check	A3LCT Tray5 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-214	Output Check	A3LCT Tray6 Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-215	Output Check	A3LCT Tray6 Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-216	Output Check	A3LCT V-Transport 1 STM High	ENG	[0 to 1 / 0 / 1]
5-804-217	Output Check	A3LCT V-Transport 1 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-218	Output Check	A3LCT V-Transport 2 STM High	ENG	[0 to 1 / 0 / 1]
5-804-219	Output Check	A3LCT V-Transport 2 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	A3LCT V-Transport 3 STM High	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
220				
5-804-221	Output Check	A3LCT V-Transport 3 STM Low	ENG	[0 to 1 / 0 / 1]
5-804-222	Output Check	A3LCT Exit STM High	ENG	[0 to 1 / 0 / 1]
5-804-223	Output Check	A3LCT Exit STM Low	ENG	[0 to 1 / 0 / 1]
5-804-224	Output Check	A3LCT Exit Roller Contact STM	ENG	[0 to 1 / 0 / 1]
5-804-225	Output Check	A3LCT Tray4 Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-226	Output Check	A3LCT Tray5 Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-227	Output Check	A3LCT Tray6 Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-228	Output Check	A3LCT Tray4 Front Fan	ENG	[0 to 1 / 0 / 1]
5-804-229	Output Check	A3LCT Tray4 Rear Fan	ENG	[0 to 1 / 0 / 1]
5-804-230	Output Check	A3LCT Tray5 Front Fan	ENG	[0 to 1 / 0 / 1]
5-804-231	Output Check	A3LCT Tray5 Rear Fan	ENG	[0 to 1 / 0 / 1]
5-804-232	Output Check	A3LCT Tray6 Front Fan	ENG	[0 to 1 / 0 / 1]
5-804-233	Output Check	A3LCT Tray6 Rear Fan	ENG	[0 to 1 / 0 / 1]
5-804-234	Output Check	Bypass Feed STM High	ENG	[0 to 1 / 0 / 1]
5-804-235	Output Check	Bypass Feed STM Low	ENG	[0 to 1 / 0 / 1]
5-804-236	Output Check	Bypass Grip STM High	ENG	[0 to 1 / 0 / 1]
5-804-237	Output Check	Bypass Grip STM Low	ENG	[0 to 1 / 0 / 1]
5-804-	Output Check	Bypass V-Transport STM High	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
238				
5-804-239	Output Check	Bypass V-Transport STM Low	ENG	[0 to 1 / 0 / 1]
5-804-240	Output Check	Bypass Pickup SOL	ENG	[0 to 1 / 0 / 1]
5-804-241	Output Check	A4LCT Tray4 LED	ENG	[0 to 1 / 0 / 1]
5-804-242	Output Check	A4LCT Tray5 LED	ENG	[0 to 1 / 0 / 1]
5-804-243	Output Check	A4LCT Tray6 LED	ENG	[0 to 1 / 0 / 1]
5-804-244	Output Check	A3LCT Tray4 LED	ENG	[0 to 1 / 0 / 1]
5-804-245	Output Check	A3LCT Tray5 LED	ENG	[0 to 1 / 0 / 1]
5-804-246	Output Check	A3LCT Tray6 LED	ENG	[0 to 1 / 0 / 1]
5-804-247	Output Check	HP Drive Motor(Speed1)	ENG	[0 to 1 / 0 / 1]
5-804-248	Output Check	HP Drive Motor(Speed2)	ENG	[0 to 1 / 0 / 1]
5-804-249	Output Check	HP Drive Motor(Speed3)	ENG	[0 to 1 / 0 / 1]
5-804-250	Output Check	HP Drive Motor(Speed4)	ENG	[0 to 1 / 0 / 1]
5-805-001	Output Check	Opt. Coolng Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-002	Output Check	Opt. Coolng Fan HS	ENG	[0 to 1 / 0 / 1]
5-805-003	Output Check	Dev. Coolng Fan Front NS	ENG	[0 to 1 / 0 / 1]
5-805-004	Output Check	Dev. Coolng Fan Front HS	ENG	[0 to 1 / 0 / 1]
5-805-005	Output Check	Dev. Coolng Fan Rear NS	ENG	[0 to 1 / 0 / 1]
5-805-	Output Check	Dev. Coolng Fan Rear HS	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				
5-805-007	Output Check	Belt Cleaning Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-009	Output Check	Duplex Low Cooling Fan Front NS	ENG	[0 to 1 / 0 / 1]
5-805-010	Output Check	Duplex Low Cooling Fan Rear NS	ENG	[0 to 1 / 0 / 1]
5-805-017	Output Check	Ozone Brower Suction	ENG	[0 to 1 / 0 / 1]
5-805-018	Output Check	Ozone Brower Exhaust	ENG	[0 to 1 / 0 / 1]
5-805-019	Output Check	Fuse Trans Exhaust Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-020	Output Check	Fuse Exhaust Fan Upper NS	ENG	[0 to 1 / 0 / 1]
5-805-021	Output Check	Fuse Exhaust Fan Lower NS	ENG	[0 to 1 / 0 / 1]
5-805-026	Output Check	Fuse Insulate Fan Rear Right NS	ENG	[0 to 1 / 0 / 1]
5-805-027	Output Check	Fuse Insulate Fan Rear Right HS	ENG	[0 to 1 / 0 / 1]
5-805-028	Output Check	Fuse Insulate Fan Rear Left NS	ENG	[0 to 1 / 0 / 1]
5-805-029	Output Check	Fuse Insulate Fan Rear Left HS	ENG	[0 to 1 / 0 / 1]
5-805-030	Output Check	Paper Exit Exhaust Fan Rear Right NS	ENG	[0 to 1 / 0 / 1]
5-805-032	Output Check	Paper Exit Exhaust Fan Rear Left NS	ENG	[0 to 1 / 0 / 1]
5-805-034	Output Check	HP Sution Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-035	Output Check	HP Exhaust Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-036	Output Check	Psu Fan T Right NS	ENG	[0 to 1 / 0 / 1]
5-805-	Output Check	Psu Fan T Right HS	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
037				
5-805-038	Output Check	Psu Fan T Left NS	ENG	[0 to 1 / 0 / 1]
5-805-039	Output Check	Psu Fan T Left HS	ENG	[0 to 1 / 0 / 1]
5-805-040	Output Check	Psu Fan M1 Right NS	ENG	[0 to 1 / 0 / 1]
5-805-041	Output Check	Psu Fan M1 Left NS	ENG	[0 to 1 / 0 / 1]
5-805-042	Output Check	Psu Fan M2 Right NS	ENG	[0 to 1 / 0 / 1]
5-805-043	Output Check	Psu Fan M2 Left NS	ENG	[0 to 1 / 0 / 1]
5-805-044	Output Check	Psu-C Cooling Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-046	Output Check	P-sensor Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-047	Output Check	Paper Transfer Fan Front NS	ENG	[0 to 1 / 0 / 1]
5-805-048	Output Check	Paper Transfer Fan Rear NS	ENG	[0 to 1 / 0 / 1]
5-805-049	Output Check	CIS Cleaning Fan NS	ENG	[0 to 1 / 0 / 1]
5-805-051	Output Check	PRT Cooling Fan Front NS	ENG	[0 to 1 / 0 / 1]
5-805-052	Output Check	PRT Cooling Fan Rear NS	ENG	[0 to 1 / 0 / 1]
5-805-053	Output Check	Right Side Cooling Fan Front NS	ENG	[0 to 1 / 0 / 1]
5-805-054	Output Check	Right Side Cooling Fan Front HS	ENG	[0 to 1 / 0 / 1]
5-805-055	Output Check	Right Side Cooling Fan Rear NS	ENG	[0 to 1 / 0 / 1]
5-805-056	Output Check	Right Side Cooling Fan Rear HS	ENG	[0 to 1 / 0 / 1]
5-805-	Output Check	Ozone Brower Suction HS	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
057				
5-805-058	Output Check	Ozone Brower Exhaust HS	ENG	[0 to 1 / 0 / 1]
5-805-059	Output Check	Right Side Cooling Fan Center NS	ENG	[0 to 1 / 0 / 1]
5-805-060	Output Check	Right Side Cooling Fan Center HS	ENG	[0 to 1 / 0 / 1]
5-805-061	Output Check	Toner Bottle Motor1	ENG	[0 to 1 / 0 / 1]
5-805-062	Output Check	Toner Bottle Motor2	ENG	[0 to 1 / 0 / 1]
5-805-063	Output Check	Toner Bottle Chuck Motor1	ENG	[0 to 1 / 0 / 1]
5-805-064	Output Check	Toner Bottle Chuck Motor2	ENG	[0 to 1 / 0 / 1]
5-805-065	Output Check	Toner Agitator Motor	ENG	[0 to 1 / 0 / 1]
5-805-066	Output Check	Toner Feed Motor	ENG	[0 to 1 / 0 / 1]
5-805-067	Output Check	Toner Collection Bottle Motor	ENG	[0 to 1 / 0 / 1]
5-805-068	Output Check	PCL	ENG	[0 to 1 / 0 / 1]
5-805-069	Output Check	Fusing Pressue Release Motor(HP)	ENG	[0 to 1 / 0 / 1]
5-805-070	Output Check	Fusing Pressue Release Motor(Up)	ENG	[0 to 1 / 0 / 1]
5-805-071	Output Check	Web Motor	ENG	[0 to 1 / 0 / 1]
5-805-072	Output Check	Trans T1 Output	ENG	[0 to 1 / 0 / 1]
5-805-073	Output Check	Trans T2- Output	ENG	[0 to 1 / 0 / 1]
5-805-074	Output Check	Trans T2+ Output	ENG	[0 to 1 / 0 / 1]
5-805-	Output Check	Sep AC Output	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
075				
5-805-076	Output Check	Sep DC Output	ENG	[0 to 1 / 0 / 1]
5-805-077	Output Check	Paper Transfer Contact Motor	ENG	[0 to 1 / 0 / 1]
5-805-078	Output Check	Charge C1 Output	ENG	[0 to 1 / 0 / 1]
5-805-079	Output Check	Charge C2 Output	ENG	[0 to 1 / 0 / 1]
5-805-080	Output Check	Charge G Output	ENG	[0 to 1 / 0 / 1]
5-805-081	Output Check	Vertical Trans. LED	ENG	[0 to 1 / 0 / 1]
5-805-082	Output Check	Paper Feed A2 LED	ENG	[0 to 1 / 0 / 1]
5-805-083	Output Check	Paper Feed A3 LED	ENG	[0 to 1 / 0 / 1]
5-805-084	Output Check	Main Relay LED	ENG	[0 to 1 / 0 / 1]
5-805-085	Output Check	LCT Relay LED	ENG	[0 to 1 / 0 / 1]
5-805-086	Output Check	Regist. Timing LED	ENG	[0 to 1 / 0 / 1]
5-805-087	Output Check	Transfer Timing LED	ENG	[0 to 1 / 0 / 1]
5-805-088	Output Check	Drawer Lever: Right LED	ENG	[0 to 1 / 0 / 1]
5-805-089	Output Check	Paper Exit LED	ENG	[0 to 1 / 0 / 1]
5-805-090	Output Check	HP Belt LED	ENG	[0 to 1 / 0 / 1]
5-805-091	Output Check	Drawer Lever: Left LED	ENG	[0 to 1 / 0 / 1]
5-805-092	Output Check	Duplex Inverter LED	ENG	[0 to 1 / 0 / 1]
5-808-	Input Check	LCT1: Port1	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-808-002	Input Check	LCT1: Port2	ENG	[0 to 255 / 0 / 1]
5-808-003	Input Check	LCT1: Port3	ENG	[0 to 255 / 0 / 1]
5-808-004	Input Check	LCT1: Port4	ENG	[0 to 255 / 0 / 1]
5-808-005	Input Check	LCT1: Port5	ENG	[0 to 255 / 0 / 1]
5-808-006	Input Check	LCT1: Port6	ENG	[0 to 255 / 0 / 1]
5-808-007	Input Check	LCT1: Port7	ENG	[0 to 255 / 0 / 1]
5-808-008	Input Check	LCT1: Port8	ENG	[0 to 255 / 0 / 1]
5-808-009	Input Check	LCT1: Port9	ENG	[0 to 255 / 0 / 1]
5-808-010	Input Check	LCT1: Port10	ENG	[0 to 255 / 0 / 1]
5-808-011	Input Check	LCT1: Port11	ENG	[0 to 255 / 0 / 1]
5-808-012	Input Check	LCT2: Port1	ENG	[0 to 255 / 0 / 1]
5-808-013	Input Check	LCT2: Port2	ENG	[0 to 255 / 0 / 1]
5-808-014	Input Check	LCT2: Port3	ENG	[0 to 255 / 0 / 1]
5-808-015	Input Check	LCT2: Port4	ENG	[0 to 255 / 0 / 1]
5-808-016	Input Check	LCT2: Port5	ENG	[0 to 255 / 0 / 1]
5-808-017	Input Check	LCT2: Port6	ENG	[0 to 255 / 0 / 1]
5-808-018	Input Check	LCT2: Port7	ENG	[0 to 255 / 0 / 1]
5-808-	Input Check	LCT2: Port8	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019				
5-808-020	Input Check	LCT2: Port9	ENG	[0 to 255 / 0 / 1]
5-808-021	Input Check	LCT2: Port10	ENG	[0 to 255 / 0 / 1]
5-808-022	Input Check	LCT2: Port11	ENG	[0 to 255 / 0 / 1]
5-809-100	Output Check	LCT1: Paper Feed Belt Motor: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-101	Output Check	LCT1: Grip Motor: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-102	Output Check	LCT1: Vertical Trans Motor 1: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-103	Output Check	LCT1: Vertical Trans Motor 2: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-104	Output Check	LCT1: Float Fan: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-105	Output Check	LCT1: Separate Fan: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-106	Output Check	LCT1: Side Fan: Front: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-107	Output Check	LCT1: Side Fan: Rear: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-108	Output Check	LCT1: Suction Fan 1: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-109	Output Check	LCT1: Suction Fan 2: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-110	Output Check	LCT1: Float Fan Shutter Sol: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-111	Output Check	LCT1: Side Fan Front Shutter Sol: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-112	Output Check	LCT1: Side Fan Rear Shutter Sol: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-113	Output Check	LCT1: LED: Tray3	ENG	[0 to 1 / 0 / 1]
5-809-	Output Check	LCT1: Paper Feed Belt Motor:	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
114		Tray4		
5-809-115	Output Check	LCT1: Grip Motor: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-116	Output Check	LCT1: Vertical Trans Motor 1: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-117	Output Check	LCT1: Vertical Trans Motor 2: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-118	Output Check	LCT1: Float Fan: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-119	Output Check	LCT1: Separate Fan: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-120	Output Check	LCT1: Side Fan: Front: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-121	Output Check	LCT1: Side Fan: Rear: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-122	Output Check	LCT1: Suction Fan 1: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-123	Output Check	LCT1: Suction Fan 2: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-124	Output Check	LCT1: Float Fan Shutter Sol: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-125	Output Check	LCT1: Side Fan Front Shutter Sol: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-126	Output Check	LCT1: Side Fan Rear Shutter Sol: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-127	Output Check	LCT1: LED: Tray4	ENG	[0 to 1 / 0 / 1]
5-809-128	Output Check	LCT1: Vertical Trans Exit Motor	ENG	[0 to 1 / 0 / 1]
5-809-129	Output Check	LCT1: Exit Motor	ENG	[0 to 1 / 0 / 1]
5-809-130	Output Check	LCT1: Exit Roller Contact Motor	ENG	[0 to 1 / 0 / 1]
5-809-131	Output Check	LCT2: Paper Feed Belt Motor: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-	Output Check	LCT2: Grip Motor: Tray5	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
132				
5-809-133	Output Check	LCT2: Vertical Trans Motor 1: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-134	Output Check	LCT2: Vertical Trans Motor 2: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-135	Output Check	LCT2: Float Fan: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-136	Output Check	LCT2: Separate Fan: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-137	Output Check	LCT2: Side Fan: Front: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-138	Output Check	LCT2: Side Fan: Rear: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-139	Output Check	LCT2: Suction Fan 1: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-140	Output Check	LCT2: Suction Fan 2: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-141	Output Check	LCT2: Float Fan Shutter Sol: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-142	Output Check	LCT2: Side Fan Front Shutter Sol: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-143	Output Check	LCT2: Side Fan Rear Shutter Sol: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-144	Output Check	LCT2: LED: Tray5	ENG	[0 to 1 / 0 / 1]
5-809-145	Output Check	LCT2: Paper Feed Belt Motor: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-146	Output Check	LCT2: Grip Motor: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-147	Output Check	LCT2: Vertical Trans Motor 1: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-148	Output Check	LCT2: Vertical Trans Motor 2: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-149	Output Check	LCT2: Float Fan: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-	Output Check	LCT2: Separate Fan: Tray6	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
150				
5-809-151	Output Check	LCT2: Side Fan: Front: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-152	Output Check	LCT2: Side Fan: Rear: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-153	Output Check	LCT2: Suction Fan 1: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-154	Output Check	LCT2: Suction Fan 2: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-155	Output Check	LCT2: Float Fan Shutter Sol: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-156	Output Check	LCT2: Side Fan Front Shutter Sol: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-157	Output Check	LCT2: Side Fan Rear Shutter Sol: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-158	Output Check	LCT2: LED: Tray6	ENG	[0 to 1 / 0 / 1]
5-809-159	Output Check	LCT2: Vertical Trans Exit Motor	ENG	[0 to 1 / 0 / 1]
5-809-160	Output Check	LCT2: Exit Motor	ENG	[0 to 1 / 0 / 1]
5-809-161	Output Check	LCT2: Exit Roller Contact Motor	ENG	[0 to 1 / 0 / 1]
5-809-193	Output Check	LCT1: Horizontal Trans Entrance Motor	ENG	[0 to 1 / 0 / 1]
5-809-194	Output Check	LCT1: Horizontal Trans Exit Motor	ENG	[0 to 1 / 0 / 1]
5-809-195	Output Check	LCT1: Relay Motor	ENG	[0 to 1 / 0 / 1]
5-810-001	SC Reset	Fusing SC Reset	ENG	[0 to 1 / 0 / 1]
5-811-002	MachineSerial	Display	ENG	[0 to 255 / 0 / 1]
5-811-004	Machine Serial	Set:BCU	ENG	[0 to 255 / 0 / 1]
5-894-	External Mech Count	Mech Counter Switch Setting	ENG	[0 to 2 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Setting			
5-900-001	Engine Log Upload	Pattern	ENG	[0 to 4 / 0 / 1]
5-900-002	Engine Log Upload	Trigger	ENG	[0 to 3 / 0 / 1]
5-901-001	Engine Log SD-Card Save Set	File Name Disp:Engine Log	ENG	[0 to 1 / 0 / 1]
5-901-002	Engine Log SD-Card Save Set	File Name Disp:Debug Monitor	ENG	[0 to 1 / 0 / 1]
5-901-003	Engine Log SD-Card Save Set	Engine Log File Size(KB)	ENG	[0 to 99999999 / 0 / 1]
5-901-004	Engine Log SD-Card Save Set	Debug Monitor Log File Size(KB)	ENG	[0 to 99999999 / 0 / 1]
5-901-009	Engine Log SD-Card Save Set	Save Setting:Engine Log	ENG	[0 to 1 / 1 / 1]
5-901-010	Engine Log SD-Card Save Set	Save Setting:Debug Monitor	ENG	[0 to 1 / 1 / 1] 0: OFF 1: ON
5-987-001	Mech. Counter	0: OFF / 1: ON	ENG	[0 to 1 / 0 / 1] 0: OFF 1: ON

SP Group 5000-01 (Controller)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-009-201	Add display language	1-8	CTL	[0 to 255 / 0 / 1]
5-009-202	Add display language	9-16	CTL	[0 to 255 / 0 / 1]
5-009-203	Add display language	17-24	CTL	[0 to 255 / 0 / 1]
5-009-204	Add display language	25-32	CTL	[0 to 255 / 0 / 1]
5-019-002	Paper Size	Tray 1	CTL	[0 to 0xFF / 0x05 / 1]
5-019-007	Paper Size	Tray 6	CTL	[0 to 0xFF / 0x05 / 1]
5-024-001	mm/inch Display Selection	0:mm 1:inch	CTL	[0 to 1 / 0 / 1]
5-040-005	Custom Size :Vertical	Tray 4	CTL	[1000 to 3302 / 2970 / 1]
5-040-006	Custom Size :Vertical	Tray 5	CTL	[1000 to 3302 / 2970 / 1]
5-040-007	Custom Size :Vertical	Tray 6	CTL	[1000 to 3302 / 2970 / 1]
5-041-005	Custom Size :Horizontal	Tray 4	CTL	[1397 to 4877 / 2100 / 1]
5-041-006	Custom Size :Horizontal	Tray 5	CTL	[1397 to 4877 / 2100 / 1]
5-041-007	Custom Size :Horizontal	Tray 6	CTL	[1397 to 4877 / 2100 / 1]
5-045-001	Accounting counter	Counter Method	CTL	[0 to 3 / 0 / 1]
5-047-001	Paper Display	Backing Paper	CTL	[0 to 1 / 0 / 1]
5-047-004	Paper Display	Non Carbon Paper	CTL	[0 to 1 / 1 / 1]
5-047-005	Paper Display	Special Paper	CTL	[0 to 1 / 1 / 1]
5-055-	Display IP address		CTL	[0 to 1 / 0 / 1]

001				
5-062-003	Part Replacement Alert Display	Development Unit	CTL	[0 to 1 / 0 / 1]
5-062-005	Part Replacement Alert Display	#Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-062-006	Part Replacement Alert Display	Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-062-007	Part Replacement Alert Display	Brush Roller	CTL	[0 to 1 / 0 / 1]
5-062-008	Part Replacement Alert Display	Coating Bar	CTL	[0 to 1 / 0 / 1]
5-062-009	Part Replacement Alert Display	Apply Blade	CTL	[0 to 1 / 0 / 1]
5-062-010	Part Replacement Alert Display	Joint:Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-062-011	Part Replacement Alert Display	Gear:Cleaning	CTL	[0 to 1 / 0 / 1]
5-062-012	Part Replacement Alert Display	Charger Unit	CTL	[0 to 1 / 0 / 1]
5-062-013	Part Replacement Alert Display	Charger Grid	CTL	[0 to 1 / 0 / 1]
5-062-014	Part Replacement Alert Display	Corona Wire Charger	CTL	[0 to 1 / 0 / 1]
5-062-015	Part Replacement Alert Display	Cushion Corona Wire	CTL	[0 to 1 / 0 / 1]
5-062-016	Part Replacement Alert Display	Grid Cleaner Assay	CTL	[0 to 1 / 0 / 1]
5-062-017	Part Replacement Alert Display	Corotoron Wire Cleaner Assay	CTL	[0 to 1 / 0 / 1]
5-062-018	Part Replacement Alert Display	Photo Conductor	CTL	[0 to 1 / 0 / 1]
5-062-019	Part Replacement Alert Display	ITB Image Transfer Belt	CTL	[0 to 1 / 0 / 1]
5-062-020	Part Replacement Alert Display	Transfer Roller:ITB	CTL	[0 to 1 / 0 / 1]
5-062-021	Part Replacement Alert Display	#ITB Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	ITB Cleaning Blade	CTL	[0 to 1 / 0 / 1]

022	Display			
5-062-023	Part Replacement Alert Display	ITB Lubricant Brush Roller	CTL	[0 to 1 / 0 / 1]
5-062-024	Part Replacement Alert Display	ITB Lubricant bar	CTL	[0 to 1 / 0 / 1]
5-062-025	Part Replacement Alert Display	ITB Lubricant blade	CTL	[0 to 1 / 0 / 1]
5-062-026	Part Replacement Alert Display	#PTR Unit Paper Transfer Unit	CTL	[0 to 1 / 0 / 1]
5-062-027	Part Replacement Alert Display	PTR Cleaning Brush Roller	CTL	[0 to 1 / 0 / 1]
5-062-028	Part Replacement Alert Display	PTR Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-062-029	Part Replacement Alert Display	PTR Lubricant bar	CTL	[0 to 1 / 0 / 1]
5-062-030	Part Replacement Alert Display	Paper Transfer Discharge Unit	CTL	[0 to 1 / 0 / 1]
5-062-031	Part Replacement Alert Display	PTR Paper Transfer Roller	CTL	[0 to 1 / 0 / 1]
5-062-033	Part Replacement Alert Display	#Fusing Unit	CTL	[0 to 1 / 0 / 1]
5-062-034	Part Replacement Alert Display	Fusing Belt	CTL	[0 to 1 / 0 / 1]
5-062-035	Part Replacement Alert Display	Hot Roller	CTL	[0 to 1 / 0 / 1]
5-062-036	Part Replacement Alert Display	Pressure Roller	CTL	[0 to 1 / 0 / 1]
5-062-037	Part Replacement Alert Display	Shaft Bearing:Press Roll	CTL	[0 to 1 / 0 / 1]
5-062-038	Part Replacement Alert Display	#Fusing Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-062-039	Part Replacement Alert Display	Web Roll	CTL	[0 to 1 / 0 / 1]
5-062-040	Part Replacement Alert Display	Web Cleaning Roller	CTL	[0 to 1 / 0 / 1]
5-062-041	Part Replacement Alert Display	Dust Filter Right	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	Dust Filter Heat Exhaust Duct	CTL	[0 to 1 / 0 / 1]

042	Display			
5-062-047	Part Replacement Alert Display	Toner Corrector Bottle	CTL	[0 to 1 / 0 / 1]
5-062-050	Part Replacement Alert Display	#Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-051	Part Replacement Alert Display	Pick-up Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-062-052	Part Replacement Alert Display	Feed Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-062-053	Part Replacement Alert Display	Separation Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-062-054	Part Replacement Alert Display	#Tray2 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-055	Part Replacement Alert Display	Pick-up Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-062-056	Part Replacement Alert Display	Feed Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-062-057	Part Replacement Alert Display	Separation Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-062-058	Part Replacement Alert Display	#Tray3 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-059	Part Replacement Alert Display	Pick-up Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-062-060	Part Replacement Alert Display	Feed Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-062-061	Part Replacement Alert Display	Separation Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-062-100	Part Replacement Alert Display	#A3LCT Tray4 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-101	Part Replacement Alert Display	A3LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-102	Part Replacement Alert Display	A3LCT Feed Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-103	Part Replacement Alert Display	A3LCT Separation Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-104	Part Replacement Alert Display	#A3LCT Tray5 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	A3LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 0 / 1]

105	Display			
5-062-106	Part Replacement Alert Display	A3LCT Feed Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-062-107	Part Replacement Alert Display	A3LCT Separation Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-062-108	Part Replacement Alert Display	#A3LCT Tray6 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-109	Part Replacement Alert Display	A3LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-110	Part Replacement Alert Display	A3LCT Feed Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-111	Part Replacement Alert Display	A3LCT Separation Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-112	Part Replacement Alert Display	#A4LCT Tray4 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-113	Part Replacement Alert Display	A4LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-114	Part Replacement Alert Display	A4LCT Feed Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-115	Part Replacement Alert Display	A4LCT Separation Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-062-116	Part Replacement Alert Display	#A4LCT Tray5 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-117	Part Replacement Alert Display	A4LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-062-118	Part Replacement Alert Display	A4LCT Feed Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-062-119	Part Replacement Alert Display	A4LCT Separation Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-062-120	Part Replacement Alert Display	#A4LCT Tray6 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-121	Part Replacement Alert Display	A4LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-122	Part Replacement Alert Display	A4LCT Feed Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-123	Part Replacement Alert Display	A4LCT Separation Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	#Bypass Roller Assembly	CTL	[0 to 1 / 0 / 1]

124	Display			
5-062-125	Part Replacement Alert Display	Bypass Pick-up Roller	CTL	[0 to 1 / 0 / 1]
5-062-126	Part Replacement Alert Display	Bypass Feed Roller	CTL	[0 to 1 / 0 / 1]
5-062-127	Part Replacement Alert Display	Bypass Separation Roller	CTL	[0 to 1 / 0 / 1]
5-062-128	Part Replacement Alert Display	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-129	Part Replacement Alert Display	Pick-up Roller-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-062-130	Part Replacement Alert Display	Feed Belt-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-062-131	Part Replacement Alert Display	Separation Roller-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-062-132	Part Replacement Alert Display	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-062-133	Part Replacement Alert Display	Pick-up Roller-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-062-134	Part Replacement Alert Display	Feed Belt-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-062-135	Part Replacement Alert Display	Separation Roller-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-062-136	Part Replacement Alert Display	#ADF	CTL	[0 to 1 / 0 / 1]
5-062-137	Part Replacement Alert Display	ADF Feed Belt	CTL	[0 to 1 / 0 / 1]
5-062-138	Part Replacement Alert Display	ADF Separation Roller	CTL	[0 to 1 / 0 / 1]
5-062-139	Part Replacement Alert Display	ADF Pick-up Roller	CTL	[0 to 1 / 0 / 1]
5-062-146	Part Replacement Alert Display	Trimming Unit	CTL	[0 to 1 / 0 / 1]
5-062-147	Part Replacement Alert Display	Trimmings Catcher	CTL	[0 to 1 / 0 / 1]
5-062-148	Part Replacement Alert Display	Rotation Clamp Pad	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	Stack Rotation Vibrating Plate	CTL	[0 to 1 / 0 / 1]

149	Display			
5-062-151	Part Replacement Alert Display	Switchback Roller	CTL	[0 to 1 / 0 / 1]
5-062-152	Part Replacement Alert Display	Ripple Idle Roller Center	CTL	[0 to 1 / 0 / 1]
5-062-153	Part Replacement Alert Display	Ripple Idle Rollers	CTL	[0 to 1 / 0 / 1]
5-062-154	Part Replacement Alert Display	TE Press Roller large	CTL	[0 to 1 / 0 / 1]
5-062-155	Part Replacement Alert Display	TE Press Roller Small	CTL	[0 to 1 / 0 / 1]
5-062-157	Part Replacement Alert Display	Spine Fold Harness right	CTL	[0 to 1 / 0 / 1]
5-062-158	Part Replacement Alert Display	Spine Fold Harness left	CTL	[0 to 1 / 0 / 1]
5-062-159	Part Replacement Alert Display	Signature Transport Harness	CTL	[0 to 1 / 0 / 1]
5-062-161	Part Replacement Alert Display	Stack Rotation Up-down Harness	CTL	[0 to 1 / 0 / 1]
5-062-162	Part Replacement Alert Display	Stack Rotation Grip Harness	CTL	[0 to 1 / 0 / 1]
5-062-163	Part Replacement Alert Display	Stack Rotate Press LED Harness	CTL	[0 to 1 / 0 / 1]
5-062-165	Part Replacement Alert Display	Pick-up Roller Upper	CTL	[0 to 1 / 0 / 1]
5-062-166	Part Replacement Alert Display	Separation Roller Upper	CTL	[0 to 1 / 0 / 1]
5-062-167	Part Replacement Alert Display	Feed Roller Upper	CTL	[0 to 1 / 0 / 1]
5-062-169	Part Replacement Alert Display	Pick-up Roller Lower	CTL	[0 to 1 / 0 / 1]
5-062-170	Part Replacement Alert Display	Separation Roller Lower	CTL	[0 to 1 / 0 / 1]
5-062-171	Part Replacement Alert Display	Feed Roller Lower	CTL	[0 to 1 / 0 / 1]
5-062-173	Part Replacement Alert Display	Blade Cradle	CTL	[0 to 1 / 0 / 1]
5-062-	Part Replacement Alert	Switchback Torque Limiter	CTL	[0 to 1 / 0 / 1]

174	Display			
5-062-175	Part Replacement Alert Display	Deodorant Filter Upper Lower	CTL	[0 to 1 / 0 / 1]
5-062-176	Part Replacement Alert Display	Cover Feed Switchback Roller	CTL	[0 to 1 / 0 / 1]
5-062-177	Part Replacement Alert Display	Jogger Motor	CTL	[0 to 1 / 0 / 1]
5-062-178	Part Replacement Alert Display	Main Grip Motor	CTL	[0 to 1 / 0 / 1]
5-062-179	Part Replacement Alert Display	Signature Thickness Sensor	CTL	[0 to 1 / 0 / 1]
5-062-180	Part Replacement Alert Display	Signature Rotate Torque Diode	CTL	[0 to 1 / 0 / 1]
5-062-181	Part Replacement Alert Display	Trimmings Buffer Motor	CTL	[0 to 1 / 0 / 1]
5-062-182	Part Replacement Alert Display	Signature Press Trq Lmt Clutch	CTL	[0 to 1 / 0 / 1]
5-062-183	Part Replacement Alert Display	Gluing Unit	CTL	[0 to 1 / 0 / 1]
5-062-184	Part Replacement Alert Display	Ball Screw Unit	CTL	[0 to 1 / 0 / 1]
5-062-185	Part Replacement Alert Display	Sign/Stacking Discharge Brush	CTL	[0 to 1 / 0 / 1]
5-062-186	Part Replacement Alert Display	Horizontal/Reg Discharge Brush	CTL	[0 to 1 / 0 / 1]
5-062-187	Part Replacement Alert Display	Booklet Stack Drawer Connector	CTL	[0 to 1 / 0 / 1]
5-062-188	Part Replacement Alert Display	Edge Press Plate Sproket Assy	CTL	[0 to 1 / 0 / 1]
5-062-191	Part Replacement Alert Display	#2-Tray LCT:Tray 1:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-062-192	Part Replacement Alert Display	#2-Tray LCT:Tray 2:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-062-193	Part Replacement Alert Display	#2-Tray LCT:Tray 3:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-062-194	Part Replacement Alert Display	#2-Tray LCT:Tray 4:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-066-	PM Parts Display		CTL	[0 to 1 / 0 / 1]

001				
5-067-003	Part Replacement Operation Type	Development Unit	CTL	[0 to 1 / 0 / 1]
5-067-005	Part Replacement Operation Type	#Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-067-006	Part Replacement Operation Type	Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-067-007	Part Replacement Operation Type	Brush Roller	CTL	[0 to 1 / 0 / 1]
5-067-008	Part Replacement Operation Type	Coating Bar	CTL	[0 to 1 / 0 / 1]
5-067-009	Part Replacement Operation Type	Apply Blade	CTL	[0 to 1 / 0 / 1]
5-067-010	Part Replacement Operation Type	Joint:Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-067-011	Part Replacement Operation Type	Gear:Cleaning	CTL	[0 to 1 / 0 / 1]
5-067-012	Part Replacement Operation Type	Charger Unit	CTL	[0 to 1 / 0 / 1]
5-067-013	Part Replacement Operation Type	Charger Grid	CTL	[0 to 1 / 0 / 1]
5-067-014	Part Replacement Operation Type	Corona Wire Charger	CTL	[0 to 1 / 0 / 1]
5-067-015	Part Replacement Operation Type	Cushion Corona Wire	CTL	[0 to 1 / 0 / 1]
5-067-016	Part Replacement Operation Type	Grid Cleaner Assay	CTL	[0 to 1 / 0 / 1]
5-067-017	Part Replacement Operation Type	Corotoron Wire Cleaner Assay	CTL	[0 to 1 / 0 / 1]
5-067-018	Part Replacement Operation Type	Photo Conductor	CTL	[0 to 1 / 0 / 1]
5-067-019	Part Replacement Operation Type	ITB Image Transfer Belt	CTL	[0 to 1 / 0 / 1]
5-067-020	Part Replacement Operation Type	Transfer Roller:ITB	CTL	[0 to 1 / 0 / 1]
5-067-021	Part Replacement Operation Type	#ITB Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	ITB Cleaning Blade	CTL	[0 to 1 / 0 / 1]

022	Type			
5-067-023	Part Replacement Operation Type	ITB Lubricant Brush Roller	CTL	[0 to 1 / 0 / 1]
5-067-024	Part Replacement Operation Type	ITB Lubricant bar	CTL	[0 to 1 / 0 / 1]
5-067-025	Part Replacement Operation Type	ITB Lubricant blade	CTL	[0 to 1 / 0 / 1]
5-067-026	Part Replacement Operation Type	#PTR Unit Paper Transfer Unit	CTL	[0 to 1 / 0 / 1]
5-067-027	Part Replacement Operation Type	PTR Cleaning Brush Roller	CTL	[0 to 1 / 0 / 1]
5-067-028	Part Replacement Operation Type	PTR Cleaning Blade	CTL	[0 to 1 / 0 / 1]
5-067-029	Part Replacement Operation Type	PTR Lubricant bar	CTL	[0 to 1 / 0 / 1]
5-067-030	Part Replacement Operation Type	Paper Transfer Discharge Unit	CTL	[0 to 1 / 0 / 1]
5-067-031	Part Replacement Operation Type	PTR Paper Transfer Roller	CTL	[0 to 1 / 0 / 1]
5-067-033	Part Replacement Operation Type	#Fusing Unit	CTL	[0 to 1 / 0 / 1]
5-067-034	Part Replacement Operation Type	Fusing Belt	CTL	[0 to 1 / 0 / 1]
5-067-035	Part Replacement Operation Type	Hot Roller	CTL	[0 to 1 / 0 / 1]
5-067-036	Part Replacement Operation Type	Pressure Roller	CTL	[0 to 1 / 0 / 1]
5-067-037	Part Replacement Operation Type	Shaft Bearing:Press Roll	CTL	[0 to 1 / 0 / 1]
5-067-038	Part Replacement Operation Type	#Fusing Cleaning Unit	CTL	[0 to 1 / 0 / 1]
5-067-039	Part Replacement Operation Type	Web Roll	CTL	[0 to 1 / 0 / 1]
5-067-040	Part Replacement Operation Type	Web Cleaning Roller	CTL	[0 to 1 / 0 / 1]
5-067-041	Part Replacement Operation Type	Dust Filter Right	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	Dust Filter Heat Exhaust Duct	CTL	[0 to 1 / 0 / 1]

042	Type			
5-067-047	Part Replacement Operation Type	Toner Corrector Bottle	CTL	[0 to 1 / 0 / 1]
5-067-050	Part Replacement Operation Type	#Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-051	Part Replacement Operation Type	Pick-up Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-067-052	Part Replacement Operation Type	Feed Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-067-053	Part Replacement Operation Type	Separation Roller-Tray1	CTL	[0 to 1 / 0 / 1]
5-067-054	Part Replacement Operation Type	#Tray2 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-055	Part Replacement Operation Type	Pick-up Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-067-056	Part Replacement Operation Type	Feed Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-067-057	Part Replacement Operation Type	Separation Roller-Tray2	CTL	[0 to 1 / 0 / 1]
5-067-058	Part Replacement Operation Type	#Tray3 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-059	Part Replacement Operation Type	Pick-up Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-067-060	Part Replacement Operation Type	Feed Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-067-061	Part Replacement Operation Type	Separation Roller-Tray3	CTL	[0 to 1 / 0 / 1]
5-067-100	Part Replacement Operation Type	#A3LCT Tray4 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-101	Part Replacement Operation Type	A3LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-102	Part Replacement Operation Type	A3LCT Feed Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-103	Part Replacement Operation Type	A3LCT Separation Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-104	Part Replacement Operation Type	#A3LCT Tray5 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	A3LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 0 / 1]

105	Type			
5-067-106	Part Replacement Operation Type	A3LCT Feed Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-067-107	Part Replacement Operation Type	A3LCT Separation Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-067-108	Part Replacement Operation Type	#A3LCT Tray6 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-109	Part Replacement Operation Type	A3LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-110	Part Replacement Operation Type	A3LCT Feed Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-111	Part Replacement Operation Type	A3LCT Separation Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-112	Part Replacement Operation Type	#A4LCT Tray4 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-113	Part Replacement Operation Type	A4LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-114	Part Replacement Operation Type	A4LCT Feed Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-115	Part Replacement Operation Type	A4LCT Separation Roller-Tray4	CTL	[0 to 1 / 0 / 1]
5-067-116	Part Replacement Operation Type	#A4LCT Tray5 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-117	Part Replacement Operation Type	A4LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-067-118	Part Replacement Operation Type	A4LCT Feed Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-067-119	Part Replacement Operation Type	A4LCT Separation Roller-Tray5	CTL	[0 to 1 / 0 / 1]
5-067-120	Part Replacement Operation Type	#A4LCT Tray6 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-121	Part Replacement Operation Type	A4LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-122	Part Replacement Operation Type	A4LCT Feed Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-123	Part Replacement Operation Type	A4LCT Separation Roller-Tray6	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	#Bypass Roller Assembly	CTL	[0 to 1 / 0 / 1]

124	Type			
5-067-125	Part Replacement Operation Type	Bypass Pick-up Roller	CTL	[0 to 1 / 0 / 1]
5-067-126	Part Replacement Operation Type	Bypass Feed Roller	CTL	[0 to 1 / 0 / 1]
5-067-127	Part Replacement Operation Type	Bypass Separation Roller	CTL	[0 to 1 / 0 / 1]
5-067-128	Part Replacement Operation Type	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-129	Part Replacement Operation Type	Pick-up Roller-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-067-130	Part Replacement Operation Type	Feed Belt-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-067-131	Part Replacement Operation Type	Separation Roller-Inserter Tray1	CTL	[0 to 1 / 0 / 1]
5-067-132	Part Replacement Operation Type	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 0 / 1]
5-067-133	Part Replacement Operation Type	Pick-up Roller-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-134	Part Replacement Operation Type	Feed Belt-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-135	Part Replacement Operation Type	Separation Roller-Inserter Tray2	CTL	[0 to 1 / 0 / 1]
5-067-136	Part Replacement Operation Type	#ADF	CTL	[0 to 1 / 0 / 1]
5-067-137	Part Replacement Operation Type	ADF Feed Belt	CTL	[0 to 1 / 0 / 1]
5-067-138	Part Replacement Operation Type	ADF Separation Roller	CTL	[0 to 1 / 0 / 1]
5-067-139	Part Replacement Operation Type	ADF Pick-up Roller	CTL	[0 to 1 / 0 / 1]
5-067-146	Part Replacement Operation Type	Trimming Unit	CTL	[0 to 1 / 0 / 1]
5-067-147	Part Replacement Operation Type	Trimmings Catcher	CTL	[0 to 1 / 0 / 1]
5-067-148	Part Replacement Operation Type	Rotation Clamp Pad	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	Stack Rotation Vibrating Plate	CTL	[0 to 1 / 0 / 1]

149	Type			
5-067-151	Part Replacement Operation Type	Switchback Roller	CTL	[0 to 1 / 0 / 1]
5-067-152	Part Replacement Operation Type	Ripple Idle Roller Center	CTL	[0 to 1 / 0 / 1]
5-067-153	Part Replacement Operation Type	Ripple Idle Rollers	CTL	[0 to 1 / 0 / 1]
5-067-154	Part Replacement Operation Type	TE Press Roller large	CTL	[0 to 1 / 0 / 1]
5-067-155	Part Replacement Operation Type	TE Press Roller Small	CTL	[0 to 1 / 0 / 1]
5-067-157	Part Replacement Operation Type	Spine Fold Harness right	CTL	[0 to 1 / 0 / 1]
5-067-158	Part Replacement Operation Type	Spine Fold Harness left	CTL	[0 to 1 / 0 / 1]
5-067-159	Part Replacement Operation Type	Signature Transport Harness	CTL	[0 to 1 / 0 / 1]
5-067-161	Part Replacement Operation Type	Stack Rotation Up-down Harness	CTL	[0 to 1 / 0 / 1]
5-067-162	Part Replacement Operation Type	Stack Rotation Grip Harness	CTL	[0 to 1 / 0 / 1]
5-067-163	Part Replacement Operation Type	Stack Rotate Press LED Harness	CTL	[0 to 1 / 0 / 1]
5-067-165	Part Replacement Operation Type	Pick-up Roller Upper	CTL	[0 to 1 / 0 / 1]
5-067-166	Part Replacement Operation Type	Separation Roller Upper	CTL	[0 to 1 / 0 / 1]
5-067-167	Part Replacement Operation Type	Feed Roller Upper	CTL	[0 to 1 / 0 / 1]
5-067-169	Part Replacement Operation Type	Pick-up Roller Lower	CTL	[0 to 1 / 0 / 1]
5-067-170	Part Replacement Operation Type	Separation Roller Lower	CTL	[0 to 1 / 0 / 1]
5-067-171	Part Replacement Operation Type	Feed Roller Lower	CTL	[0 to 1 / 0 / 1]
5-067-173	Part Replacement Operation Type	Blade Cradle	CTL	[0 to 1 / 0 / 1]
5-067-	Part Replacement Operation	Switchback Torque Limiter	CTL	[0 to 1 / 0 / 1]

174	Type			
5-067-175	Part Replacement Operation Type	Deodorant Filter Upper Lower	CTL	[0 to 1 / 0 / 1]
5-067-176	Part Replacement Operation Type	Cover Feed Switchback Roller	CTL	[0 to 1 / 0 / 1]
5-067-177	Part Replacement Operation Type	Jogger Motor	CTL	[0 to 1 / 0 / 1]
5-067-178	Part Replacement Operation Type	Main Grip Motor	CTL	[0 to 1 / 0 / 1]
5-067-179	Part Replacement Operation Type	Signature Thickness Sensor	CTL	[0 to 1 / 0 / 1]
5-067-180	Part Replacement Operation Type	Signature Rotate Torque Diode	CTL	[0 to 1 / 0 / 1]
5-067-181	Part Replacement Operation Type	Trimmings Buffer Motor	CTL	[0 to 1 / 0 / 1]
5-067-182	Part Replacement Operation Type	Signature Press Trq Lmt Clutch	CTL	[0 to 1 / 0 / 1]
5-067-183	Part Replacement Operation Type	Gluing Unit	CTL	[0 to 1 / 0 / 1]
5-067-184	Part Replacement Operation Type	Ball Screw Unit	CTL	[0 to 1 / 0 / 1]
5-067-185	Part Replacement Operation Type	Sign/Stacking Discharge Brush	CTL	[0 to 1 / 0 / 1]
5-067-186	Part Replacement Operation Type	Horizontal/Reg Discharge Brush	CTL	[0 to 1 / 0 / 1]
5-067-187	Part Replacement Operation Type	Booklet Stack Drawer Connector	CTL	[0 to 1 / 0 / 1]
5-067-188	Part Replacement Operation Type	Edge Press Plate Sproket Assy	CTL	[0 to 1 / 0 / 1]
5-067-191	Part Replacement Operation Type	#2-Tray LCT:Tray 1:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-067-192	Part Replacement Operation Type	#2-Tray LCT:Tray 2:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-067-193	Part Replacement Operation Type	#2-Tray LCT:Tray 3:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-067-194	Part Replacement Operation Type	#2-Tray LCT:Tray 4:Feed Belt	CTL	[0 to 1 / 0 / 1]
5-071-	Set Bypass Paper Size		CTL	[0 to 1 / 0 / 1]

001	Display			
5-074-002	Home Key Customization	Login Setting	CTL	[0 to 255 / 0 / 1]
5-074-050	Home Key Customization	Show Home Edit Menu	CTL	[0 to 2 / 0 / 1]
5-074-091	Home Key Customization	Function Setting	CTL	[0 to 2 / 0 / 1]
5-074-092	Home Key Customization	Product ID	CTL	[0 to 0xffffffff / 0 / 1]
5-074-093	Home Key Customization	Application Screen ID	CTL	[0 to 255 / 0 / 1]
5-075-001	USB Keyboard	Function Setting	CTL	[0 to 1 / 0 / 1]
5-081-001	ServiceSP Entry Code Setting		CTL	[0 to 0 / 0 / 0]
5-083-001	LED Light Switch Setting	Toner Near End	CTL	[0 to 1 / 0 / 0]
5-112-001	Non-Std. Paper Sel.	(0:OFF 1:ON)	CTL	[0 to 1 / 1 / 1]
5-113-001	Optional Counter Type	Default Optional Counter Type	CTL	[0 to 12 / 0 / 1]
5-113-002	Optional Counter Type	External Optional Counter Type	CTL	[0 to 3 / 0 / 1]
5-114-001	Optional Counter I/F	MF Key Card Extension	CTL	[0 to 1 / 0 / 1]
5-118-001	Disable Copying		CTL	[0 to 1 / 0 / 1]
5-120-001	Mode Clear Opt. Counter Removal	0:Yes 1:StandBy 2:No	CTL	[0 to 2 / 0 / 1]
5-121-001	Counter Up Timing	0:Feed 1:Exit	CTL	[0 to 1 / 0 / 1]
5-127-001	APS OFF Mode		CTL	[0 to 1 / 0 / 1]
5-150-001	Bypass Length Setting	0: OFF 1: ON	CTL	[0 to 1 / 0 / 1]
5-162-001	App. Switch Method		CTL	[0 to 1 / 0 / 1]
5-169-	CE Login		CTL	[0 to 1 / 0 / 1]

001				
5-188-001	Copy Nv Version		CTL	[0 to 0 / 0 / 0]
5-190-001	Unit Life Target Change		CTL	[0 to 1 / 0 / 1]
5-191-001	Mode Set	Power Str Set	CTL	[0 to 1 / 1 / 1]
5-193-001	External Controller Info. Settings		CTL	[0 to 10 / 0 / 1]
5-195-001	Limitless SW		CTL	[0 to 1 / 0 / 1]
5-199-001	Paper Exit After Staple End	Staple(1:Without 2:After 0:Auto)	CTL	[0 to 2 / 0 / 1]
5-199-002	Paper Exit After Staple End	Saddle(1:Without 2:After 0:Auto)	CTL	[0 to 2 / 0 / 1]
5-212-003	Page Numbering	Duplex Printout Right/Left Position	CTL	[-10 to 10 / 0 / 0.01]
5-212-004	Page Numbering	Duplex Printout High/Low Position	CTL	[-10 to 10 / 0 / 0.01]
5-227-221	Page Numbering	Allow Page No. Entry	CTL	[2 to 9 / 9 / 1]
5-227-222	Page Numbering	Zero Surplus Setting	CTL	[0 to 1 / 0 / 1]
5-302-002	Set Time	Time Difference	CTL	[-1440 to 1440 / 540 / 1]
5-307-001	Daylight Saving Time	Setting	CTL	[0 to 1 / 0 / 1]
5-307-003	Daylight Saving Time	Rule Set(Start)	CTL	[0 to 0xffffffff / 0 / 1]
5-307-004	Daylight Saving Time	Rule Set(End)	CTL	[0 to 0xffffffff / 0 / 1]
5-401-103	Access Control	Default Document ACL	CTL	[0 to 3 / 0 / 1]
5-401-104	Access Control	Authentication Time	CTL	[0 to 255 / 0 / 1]
5-401-162	Access Control	Extend Certification Detail	CTL	[0 to 0xff / 0 / 1]
5-401-	Access Control	SDK1 UniqueID	CTL	[0 to 0xFFFFFFFF /

200				0 / 1]
5-401-201	Access Control	SDK1 Certification Method	CTL	[0 to 0xFF / 0 / 1]
5-401-210	Access Control	SDK2 UniqueID	CTL	[0 to 0xFFFFFFFF / 0 / 1]
5-401-211	Access Control	SDK2 Certification Method	CTL	[0 to 0xFF / 0 / 1]
5-401-220	Access Control	SDK3 UniqueID	CTL	[0 to 0xFFFFFFFF / 0 / 1]
5-401-221	Access Control	SDK3 Certification Method	CTL	[0 to 0xFF / 0 / 1]
5-401-230	Access Control	SDK Certification Device	CTL	[0 to 0xff / 0 / 1]
5-401-240	Access Control	Detail Option	CTL	[0 to 0xff / 0 / 1]
5-402-101	Access Control	SDKJ1 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-102	Access Control	SDKJ2 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-103	Access Control	SDKJ3 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-104	Access Control	SDKJ4 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-105	Access Control	SDKJ5 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-106	Access Control	SDKJ6 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-107	Access Control	SDKJ7 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-108	Access Control	SDKJ8 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-109	Access Control	SDKJ9 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-110	Access Control	SDKJ10 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-111	Access Control	SDKJ11 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-	Access Control	SDKJ12 Limit Setting	CTL	[0 to 0xFF / 0 / 1]

112				
5-402-113	Access Control	SDKJ13 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-114	Access Control	SDKJ14 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-115	Access Control	SDKJ15 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-116	Access Control	SDKJ16 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-117	Access Control	SDKJ17 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-118	Access Control	SDKJ18 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-119	Access Control	SDKJ19 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-120	Access Control	SDKJ20 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-121	Access Control	SDKJ21 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-122	Access Control	SDKJ22 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-123	Access Control	SDKJ23 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-124	Access Control	SDKJ24 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-125	Access Control	SDKJ25 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-126	Access Control	SDKJ26 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-127	Access Control	SDKJ27 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-128	Access Control	SDKJ28 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-129	Access Control	SDKJ29 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-130	Access Control	SDKJ30 Limit Setting	CTL	[0 to 0xFF / 0 / 1]
5-402-	Access Control	SDKJ1 ProductID	CTL	[0 to 0xffffffff / 0 /

141				1]
5-402-142	Access Control	SDKJ2 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-143	Access Control	SDKJ3 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-144	Access Control	SDKJ4 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-145	Access Control	SDKJ5 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-146	Access Control	SDKJ6 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-147	Access Control	SDKJ7 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-148	Access Control	SDKJ8 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-149	Access Control	SDKJ9 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-150	Access Control	SDKJ10 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-151	Access Control	SDKJ11 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-152	Access Control	SDKJ12 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-153	Access Control	SDKJ13 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-154	Access Control	SDKJ14 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-155	Access Control	SDKJ15 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-156	Access Control	SDKJ16 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-157	Access Control	SDKJ17 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-158	Access Control	SDKJ18 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-159	Access Control	SDKJ19 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-	Access Control	SDKJ20 ProductID	CTL	[0 to 0xffffffff / 0 /

160				1]
5-402-161	Access Control	SDKJ21 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-162	Access Control	SDKJ22 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-163	Access Control	SDKJ23 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-164	Access Control	SDKJ24 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-165	Access Control	SDKJ25 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-166	Access Control	SDKJ26 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-167	Access Control	SDKJ27 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-168	Access Control	SDKJ28 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-169	Access Control	SDKJ29 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-402-170	Access Control	SDKJ30 ProductID	CTL	[0 to 0xffffffff / 0 / 1]
5-404-001	User Code Count Clear		CTL	[0 to 0 / 0 / 0]
5-411-004	LDAP-Certification	Simplified Authentication	CTL	[0 to 1 / 1 / 1]
5-411-005	LDAP-Certification	Password Null Not Permit	CTL	[0 to 1 / 1 / 1]
5-411-006	LDAP-Certification	Detail Option	CTL	[0 to 0xff / 0 / 1]
5-412-100	Krb-Certification	Encrypt Mode	CTL	[0 to 0xFF / 0xFF / 1]
5-413-001	Lockout Setting	Lockout On/Off	CTL	[0 to 1 / 0 / 1]
5-413-002	Lockout Setting	Lockout Threshold	CTL	[1 to 10 / 5 / 1]
5-413-003	Lockout Setting	Cancelation On/Off	CTL	[0 to 1 / 0 / 1]
5-413-	Lockout Setting	Cancelation Time	CTL	[1 to 9999 / 60 / 1]

004				
5-414-001	Access Mitigation	Mitigation On/Off	CTL	[0 to 1 / 0 / 1]
5-414-002	Access Mitigation	Mitigation Time	CTL	[0 to 60 / 15 / 1]
5-415-001	Password Attack	Permissible Number	CTL	[0 to 100 / 30 / 1]
5-415-002	Password Attack	Detect Time	CTL	[1 to 10 / 5 / 1]
5-416-001	Access Information	Access User Max Num	CTL	[50 to 200 / 200 / 1]
5-416-002	Access Information	Access Password Max Num	CTL	[50 to 200 / 200 / 1]
5-416-003	Access Information	Monitor Interval	CTL	[1 to 10 / 3 / 1]
5-417-001	Access Attack	Access Permissible Number	CTL	[0 to 500 / 100 / 1]
5-417-002	Access Attack	Attack Detect Time	CTL	[10 to 30 / 10 / 1]
5-417-003	Access Attack	Productivity Fall Waite	CTL	[0 to 9 / 3 / 1]
5-417-004	Access Attack	Attack Max Num	CTL	[50 to 200 / 200 / 1]
5-420-001	User Authentication	Copy	CTL	[0 to 1 / 0 / 1]
5-420-011	User Authentication	DocumentServer	CTL	[0 to 1 / 0 / 1]
5-420-031	User Authentication	Scanner	CTL	[0 to 1 / 0 / 1]
5-420-041	User Authentication	Printer	CTL	[0 to 1 / 0 / 1]
5-420-051	User Authentication	SDK1	CTL	[0 to 1 / 0 / 1]
5-420-061	User Authentication	SDK2	CTL	[0 to 1 / 0 / 1]
5-420-071	User Authentication	SDK3	CTL	[0 to 1 / 0 / 1]
5-420-	User Authentication	Browser	CTL	[0 to 1 / 0 / 1]

081				
5-430-001	Auth Dialog Message Change	Message Change On/Off	CTL	[0 to 1 / 0 / 1]
5-430-002	Auth Dialog Message Change	Message Text Download	CTL	[0 to 0 / 0 / 0]
5-430-003	Auth Dialog Message Change	Message Text ID	CTL	[0 to 0 / 0 / 0]
5-431-010	External Auth User Preset	Tag	CTL	[0 to 1 / 1 / 1]
5-431-011	External Auth User Preset	Entry	CTL	[0 to 1 / 1 / 1]
5-431-012	External Auth User Preset	Group	CTL	[0 to 1 / 1 / 1]
5-431-020	External Auth User Preset	Mail	CTL	[0 to 1 / 1 / 1]
5-431-032	External Auth User Preset	Folder	CTL	[0 to 1 / 1 / 1]
5-431-033	External Auth User Preset	ProtectCode	CTL	[0 to 1 / 1 / 1]
5-431-034	External Auth User Preset	SmtpAuth	CTL	[0 to 1 / 1 / 1]
5-431-035	External Auth User Preset	LdapAuth	CTL	[0 to 1 / 1 / 1]
5-431-036	External Auth User Preset	Smb Ftp Fldr Auth	CTL	[0 to 1 / 1 / 1]
5-431-037	External Auth User Preset	AcntAcl	CTL	[0 to 1 / 1 / 1]
5-431-038	External Auth User Preset	DocumentAcl	CTL	[0 to 1 / 1 / 1]
5-431-040	External Auth User Preset	CertCrypt	CTL	[0 to 1 / 0 / 1]
5-431-050	External Auth User Preset	UserLimitCount	CTL	[0 to 1 / 1 / 1]
5-481-001	Authentication Error Code	System Log Disp	CTL	[0 to 1 / 0 / 1]
5-481-002	Authentication Error Code	Panel Disp	CTL	[0 to 1 / 1 / 1]
5-490-	MF KeyCard	Job Permit Setting	CTL	[0 to 1 / 0 / 1]

001				
5-491-001	Optional Counter	Detail Option	CTL	[0 to 0xff / 0 / 1]
5-501-001	PM Alarm	PM Alarm Level	CTL	[0 to 9999 / 0 / 1]
5-504-001	Jam Alarm		CTL	[0 to 3 / 3 / 1]
5-505-001	Error Alarm		CTL	[0 to 255 / 19 / 1]
5-507-001	Supply/CC Alarm	Paper Supply Alarm	CTL	[0 to 1 / 0 / 1]
5-507-002	Supply/CC Alarm	Staple Supply Alarm	CTL	[0 to 1 / 1 / 1]
5-507-003	Supply/CC Alarm	Toner Supply Alarm	CTL	[0 to 1 / 1 / 1]
5-507-080	Supply/CC Alarm	Toner Call Timing	CTL	[0 to 1 / 0 / 1]
5-507-081	Supply/CC Alarm	Toner Call Threshold	CTL	[10 to 90 / 10 / 10]
5-507-128	Supply/CC Alarm	Interval: Others	CTL	[250 to 10000 / 1000 / 1]
5-507-132	Supply/CC Alarm	Interval: A3	CTL	[250 to 10000 / 1000 / 1]
5-507-133	Supply/CC Alarm	Interval: A4	CTL	[250 to 10000 / 1000 / 1]
5-507-134	Supply/CC Alarm	Interval: A5	CTL	[250 to 10000 / 1000 / 1]
5-507-141	Supply/CC Alarm	Interval: B4	CTL	[250 to 10000 / 1000 / 1]
5-507-142	Supply/CC Alarm	Interval: B5	CTL	[250 to 10000 / 1000 / 1]
5-507-160	Supply/CC Alarm	Interval: DLT	CTL	[250 to 10000 / 1000 / 1]
5-507-164	Supply/CC Alarm	Interval: LG	CTL	[250 to 10000 / 1000 / 1]
5-507-166	Supply/CC Alarm	Interval: LT	CTL	[250 to 10000 / 1000 / 1]
5-507-	Supply/CC Alarm	Interval: HLT	CTL	[250 to 10000 /

172				1000 / 1]
5-508-001	CC Call	Jam Remains	CTL	[0 to 1 / 1 / 1]
5-508-002	CC Call	Continuous Jams	CTL	[0 to 1 / 1 / 1]
5-508-003	CC Call	Continuous Door Open	CTL	[0 to 1 / 1 / 1]
5-508-011	CC Call	Jam Detection: Time Length	CTL	[3 to 30 / 10 / 1]
5-508-012	CC Call	Jam Detection: Continuous Count	CTL	[2 to 10 / 5 / 1]
5-508-013	CC Call	Door Open: Time Length	CTL	[3 to 30 / 10 / 1]
5-513-001	PartsAlermlevelCount	Normal	CTL	[1 to 9999 / 300 / 1]
5-513-002	PartsAlermlevelCount	Df	CTL	[1 to 9999 / 300 / 1]
5-514-001	PartsAlermlev	Normal	CTL	[0 to 1 / 1 / 1]
5-514-002	PartsAlermlev	Df	CTL	[0 to 1 / 0 / 1]
5-515-001	SC/Alarm Setting	SC Call	CTL	[0 to 1 / 1 / 1]
5-515-002	SC/Alarm Setting	Service Parts Near End Call	CTL	[0 to 1 / 1 / 1]
5-515-003	SC/Alarm Setting	Service Parts End Call	CTL	[0 to 1 / 1 / 1]
5-515-004	SC/Alarm Setting	User Call	CTL	[0 to 1 / 1 / 1]
5-515-006	SC/Alarm Setting	Communication Test Call	CTL	[0 to 1 / 1 / 1]
5-515-007	SC/Alarm Setting	Machine Information Notice	CTL	[0 to 1 / 1 / 1]
5-515-008	SC/Alarm Setting	Alarm Notice	CTL	[0 to 1 / 1 / 1]
5-515-010	SC/Alarm Setting	Supply Automatic Ordering Call	CTL	[0 to 1 / 1 / 1]
5-515-	SC/Alarm Setting	Supply Management Report Call	CTL	[0 to 1 / 1 / 1]

011				
5-515-012	SC/Alarm Setting	Jam/Door Open Call	CTL	[0 to 1 / 1 / 1]
5-517-001	Get Machine Information	Alarm On/Off Setting	CTL	[0 to 1 / 1 / 1]
5-517-002	Get Machine Information	Alarm Interval	CTL	[10 to 255 / 10 / 1]
5-517-021	Get Machine Information	GetCustomPprInfo:RetryInterval	CTL	[0 to 255 / 10 / 1]
5-517-031	Get Machine Information	Get SMC Info: Retry Interval	CTL	[0 to 255 / 10 / 1]
5-711-001	Custom Setting Paper: Data Setting	Standard Paper Data UpLoad	CTL	[0 to 0 / 0 / 0]
5-711-002	Custom Setting Paper: Data Setting	Custom Paper Data UpLoad	CTL	[0 to 0 / 0 / 0]
5-711-102	Custom Setting Paper: Data Setting	Custom Paper Data Download	CTL	[0 to 0 / 0 / 0]
5-711-201	Custom Setting Paper: Data Setting	Standard Paper Data Ver.(Flash)	CTL	[0 to 0 / 0 / 0]
5-711-202	Custom Setting Paper: Data Setting	Standard Paper Data Ver.(SD Card)	CTL	[0 to 0 / 0 / 0]
5-715-001	Custom Paper: Thick	ID1	CTL	[0 to 7 / 1 / 1]
5-715-002	Custom Paper: Thick	ID2	CTL	[0 to 7 / 1 / 1]
5-715-003	Custom Paper: Thick	ID3	CTL	[0 to 7 / 1 / 1]
5-715-004	Custom Paper: Thick	ID4	CTL	[0 to 7 / 1 / 1]
5-715-005	Custom Paper: Thick	ID5	CTL	[0 to 7 / 1 / 1]
5-715-006	Custom Paper: Thick	ID6	CTL	[0 to 7 / 1 / 1]
5-715-007	Custom Paper: Thick	ID7	CTL	[0 to 7 / 1 / 1]
5-715-008	Custom Paper: Thick	ID8	CTL	[0 to 7 / 1 / 1]
5-715-	Custom Paper: Thick	ID9	CTL	[0 to 7 / 1 / 1]

009				
5-715-010	Custom Paper: Thick	ID10	CTL	[0 to 7 / 1 / 1]
5-715-011	Custom Paper: Thick	ID11	CTL	[0 to 7 / 1 / 1]
5-715-012	Custom Paper: Thick	ID12	CTL	[0 to 7 / 1 / 1]
5-715-013	Custom Paper: Thick	ID13	CTL	[0 to 7 / 1 / 1]
5-715-014	Custom Paper: Thick	ID14	CTL	[0 to 7 / 1 / 1]
5-715-015	Custom Paper: Thick	ID15	CTL	[0 to 7 / 1 / 1]
5-715-016	Custom Paper: Thick	ID16	CTL	[0 to 7 / 1 / 1]
5-715-017	Custom Paper: Thick	ID17	CTL	[0 to 7 / 1 / 1]
5-715-018	Custom Paper: Thick	ID18	CTL	[0 to 7 / 1 / 1]
5-715-019	Custom Paper: Thick	ID19	CTL	[0 to 7 / 1 / 1]
5-715-020	Custom Paper: Thick	ID20	CTL	[0 to 7 / 1 / 1]
5-715-021	Custom Paper: Thick	ID21	CTL	[0 to 7 / 1 / 1]
5-715-022	Custom Paper: Thick	ID22	CTL	[0 to 7 / 1 / 1]
5-715-023	Custom Paper: Thick	ID23	CTL	[0 to 7 / 1 / 1]
5-715-024	Custom Paper: Thick	ID24	CTL	[0 to 7 / 1 / 1]
5-715-025	Custom Paper: Thick	ID25	CTL	[0 to 7 / 1 / 1]
5-715-026	Custom Paper: Thick	ID26	CTL	[0 to 7 / 1 / 1]
5-715-027	Custom Paper: Thick	ID27	CTL	[0 to 7 / 1 / 1]
5-715-	Custom Paper: Thick	ID28	CTL	[0 to 7 / 1 / 1]

028				
5-715-029	Custom Paper: Thick	ID29	CTL	[0 to 7 / 1 / 1]
5-715-030	Custom Paper: Thick	ID30	CTL	[0 to 7 / 1 / 1]
5-715-031	Custom Paper: Thick	ID31	CTL	[0 to 7 / 1 / 1]
5-715-032	Custom Paper: Thick	ID32	CTL	[0 to 7 / 1 / 1]
5-715-033	Custom Paper: Thick	ID33	CTL	[0 to 7 / 1 / 1]
5-715-034	Custom Paper: Thick	ID34	CTL	[0 to 7 / 1 / 1]
5-715-035	Custom Paper: Thick	ID35	CTL	[0 to 7 / 1 / 1]
5-715-036	Custom Paper: Thick	ID36	CTL	[0 to 7 / 1 / 1]
5-715-037	Custom Paper: Thick	ID37	CTL	[0 to 7 / 1 / 1]
5-715-038	Custom Paper: Thick	ID38	CTL	[0 to 7 / 1 / 1]
5-715-039	Custom Paper: Thick	ID39	CTL	[0 to 7 / 1 / 1]
5-715-040	Custom Paper: Thick	ID40	CTL	[0 to 7 / 1 / 1]
5-715-041	Custom Paper: Thick	ID41	CTL	[0 to 7 / 1 / 1]
5-715-042	Custom Paper: Thick	ID42	CTL	[0 to 7 / 1 / 1]
5-715-043	Custom Paper: Thick	ID43	CTL	[0 to 7 / 1 / 1]
5-715-044	Custom Paper: Thick	ID44	CTL	[0 to 7 / 1 / 1]
5-715-045	Custom Paper: Thick	ID45	CTL	[0 to 7 / 1 / 1]
5-715-046	Custom Paper: Thick	ID46	CTL	[0 to 7 / 1 / 1]
5-715-	Custom Paper: Thick	ID47	CTL	[0 to 7 / 1 / 1]

047				
5-715-048	Custom Paper: Thick	ID48	CTL	[0 to 7 / 1 / 1]
5-715-049	Custom Paper: Thick	ID49	CTL	[0 to 7 / 1 / 1]
5-715-050	Custom Paper: Thick	ID50	CTL	[0 to 7 / 1 / 1]
5-715-051	Custom Paper: Thick	ID51	CTL	[0 to 7 / 1 / 1]
5-715-052	Custom Paper: Thick	ID52	CTL	[0 to 7 / 1 / 1]
5-715-053	Custom Paper: Thick	ID53	CTL	[0 to 7 / 1 / 1]
5-715-054	Custom Paper: Thick	ID54	CTL	[0 to 7 / 1 / 1]
5-715-055	Custom Paper: Thick	ID55	CTL	[0 to 7 / 1 / 1]
5-715-056	Custom Paper: Thick	ID56	CTL	[0 to 7 / 1 / 1]
5-715-057	Custom Paper: Thick	ID57	CTL	[0 to 7 / 1 / 1]
5-715-058	Custom Paper: Thick	ID58	CTL	[0 to 7 / 1 / 1]
5-715-059	Custom Paper: Thick	ID59	CTL	[0 to 7 / 1 / 1]
5-715-060	Custom Paper: Thick	ID60	CTL	[0 to 7 / 1 / 1]
5-715-061	Custom Paper: Thick	ID61	CTL	[0 to 7 / 1 / 1]
5-715-062	Custom Paper: Thick	ID62	CTL	[0 to 7 / 1 / 1]
5-715-063	Custom Paper: Thick	ID63	CTL	[0 to 7 / 1 / 1]
5-715-064	Custom Paper: Thick	ID64	CTL	[0 to 7 / 1 / 1]
5-715-065	Custom Paper: Thick	ID65	CTL	[0 to 7 / 1 / 1]
5-715-	Custom Paper: Thick	ID66	CTL	[0 to 7 / 1 / 1]

066				
5-715-067	Custom Paper: Thick	ID67	CTL	[0 to 7 / 1 / 1]
5-715-068	Custom Paper: Thick	ID68	CTL	[0 to 7 / 1 / 1]
5-715-069	Custom Paper: Thick	ID69	CTL	[0 to 7 / 1 / 1]
5-715-070	Custom Paper: Thick	ID70	CTL	[0 to 7 / 1 / 1]
5-715-071	Custom Paper: Thick	ID71	CTL	[0 to 7 / 1 / 1]
5-715-072	Custom Paper: Thick	ID72	CTL	[0 to 7 / 1 / 1]
5-715-073	Custom Paper: Thick	ID73	CTL	[0 to 7 / 1 / 1]
5-715-074	Custom Paper: Thick	ID74	CTL	[0 to 7 / 1 / 1]
5-715-075	Custom Paper: Thick	ID75	CTL	[0 to 7 / 1 / 1]
5-715-076	Custom Paper: Thick	ID76	CTL	[0 to 7 / 1 / 1]
5-715-077	Custom Paper: Thick	ID77	CTL	[0 to 7 / 1 / 1]
5-715-078	Custom Paper: Thick	ID78	CTL	[0 to 7 / 1 / 1]
5-715-079	Custom Paper: Thick	ID79	CTL	[0 to 7 / 1 / 1]
5-715-080	Custom Paper: Thick	ID80	CTL	[0 to 7 / 1 / 1]
5-715-081	Custom Paper: Thick	ID81	CTL	[0 to 7 / 1 / 1]
5-715-082	Custom Paper: Thick	ID82	CTL	[0 to 7 / 1 / 1]
5-715-083	Custom Paper: Thick	ID83	CTL	[0 to 7 / 1 / 1]
5-715-084	Custom Paper: Thick	ID84	CTL	[0 to 7 / 1 / 1]
5-715-	Custom Paper: Thick	ID85	CTL	[0 to 7 / 1 / 1]

085				
5-715-086	Custom Paper: Thick	ID86	CTL	[0 to 7 / 1 / 1]
5-715-087	Custom Paper: Thick	ID87	CTL	[0 to 7 / 1 / 1]
5-715-088	Custom Paper: Thick	ID88	CTL	[0 to 7 / 1 / 1]
5-715-089	Custom Paper: Thick	ID89	CTL	[0 to 7 / 1 / 1]
5-715-090	Custom Paper: Thick	ID90	CTL	[0 to 7 / 1 / 1]
5-715-091	Custom Paper: Thick	ID91	CTL	[0 to 7 / 1 / 1]
5-715-092	Custom Paper: Thick	ID92	CTL	[0 to 7 / 1 / 1]
5-715-093	Custom Paper: Thick	ID93	CTL	[0 to 7 / 1 / 1]
5-715-094	Custom Paper: Thick	ID94	CTL	[0 to 7 / 1 / 1]
5-715-095	Custom Paper: Thick	ID95	CTL	[0 to 7 / 1 / 1]
5-715-096	Custom Paper: Thick	ID96	CTL	[0 to 7 / 1 / 1]
5-715-097	Custom Paper: Thick	ID97	CTL	[0 to 7 / 1 / 1]
5-715-098	Custom Paper: Thick	ID98	CTL	[0 to 7 / 1 / 1]
5-715-099	Custom Paper: Thick	ID99	CTL	[0 to 7 / 1 / 1]
5-715-100	Custom Paper: Thick	ID100	CTL	[0 to 7 / 1 / 1]
5-716-001	Custom Paper: Thin	ID1	CTL	[0 to 2 / 1 / 1]
5-716-002	Custom Paper: Thin	ID2	CTL	[0 to 2 / 1 / 1]
5-716-003	Custom Paper: Thin	ID3	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID4	CTL	[0 to 2 / 1 / 1]

004				
5-716-005	Custom Paper: Thin	ID5	CTL	[0 to 2 / 1 / 1]
5-716-006	Custom Paper: Thin	ID6	CTL	[0 to 2 / 1 / 1]
5-716-007	Custom Paper: Thin	ID7	CTL	[0 to 2 / 1 / 1]
5-716-008	Custom Paper: Thin	ID8	CTL	[0 to 2 / 1 / 1]
5-716-009	Custom Paper: Thin	ID9	CTL	[0 to 2 / 1 / 1]
5-716-010	Custom Paper: Thin	ID10	CTL	[0 to 2 / 1 / 1]
5-716-011	Custom Paper: Thin	ID11	CTL	[0 to 2 / 1 / 1]
5-716-012	Custom Paper: Thin	ID12	CTL	[0 to 2 / 1 / 1]
5-716-013	Custom Paper: Thin	ID13	CTL	[0 to 2 / 1 / 1]
5-716-014	Custom Paper: Thin	ID14	CTL	[0 to 2 / 1 / 1]
5-716-015	Custom Paper: Thin	ID15	CTL	[0 to 2 / 1 / 1]
5-716-016	Custom Paper: Thin	ID16	CTL	[0 to 2 / 1 / 1]
5-716-017	Custom Paper: Thin	ID17	CTL	[0 to 2 / 1 / 1]
5-716-018	Custom Paper: Thin	ID18	CTL	[0 to 2 / 1 / 1]
5-716-019	Custom Paper: Thin	ID19	CTL	[0 to 2 / 1 / 1]
5-716-020	Custom Paper: Thin	ID20	CTL	[0 to 2 / 1 / 1]
5-716-021	Custom Paper: Thin	ID21	CTL	[0 to 2 / 1 / 1]
5-716-022	Custom Paper: Thin	ID22	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID23	CTL	[0 to 2 / 1 / 1]

023				
5-716-024	Custom Paper: Thin	ID24	CTL	[0 to 2 / 1 / 1]
5-716-025	Custom Paper: Thin	ID25	CTL	[0 to 2 / 1 / 1]
5-716-026	Custom Paper: Thin	ID26	CTL	[0 to 2 / 1 / 1]
5-716-027	Custom Paper: Thin	ID27	CTL	[0 to 2 / 1 / 1]
5-716-028	Custom Paper: Thin	ID28	CTL	[0 to 2 / 1 / 1]
5-716-029	Custom Paper: Thin	ID29	CTL	[0 to 2 / 1 / 1]
5-716-030	Custom Paper: Thin	ID30	CTL	[0 to 2 / 1 / 1]
5-716-031	Custom Paper: Thin	ID31	CTL	[0 to 2 / 1 / 1]
5-716-032	Custom Paper: Thin	ID32	CTL	[0 to 2 / 1 / 1]
5-716-033	Custom Paper: Thin	ID33	CTL	[0 to 2 / 1 / 1]
5-716-034	Custom Paper: Thin	ID34	CTL	[0 to 2 / 1 / 1]
5-716-035	Custom Paper: Thin	ID35	CTL	[0 to 2 / 1 / 1]
5-716-036	Custom Paper: Thin	ID36	CTL	[0 to 2 / 1 / 1]
5-716-037	Custom Paper: Thin	ID37	CTL	[0 to 2 / 1 / 1]
5-716-038	Custom Paper: Thin	ID38	CTL	[0 to 2 / 1 / 1]
5-716-039	Custom Paper: Thin	ID39	CTL	[0 to 2 / 1 / 1]
5-716-040	Custom Paper: Thin	ID40	CTL	[0 to 2 / 1 / 1]
5-716-041	Custom Paper: Thin	ID41	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID42	CTL	[0 to 2 / 1 / 1]

042				
5-716-043	Custom Paper: Thin	ID43	CTL	[0 to 2 / 1 / 1]
5-716-044	Custom Paper: Thin	ID44	CTL	[0 to 2 / 1 / 1]
5-716-045	Custom Paper: Thin	ID45	CTL	[0 to 2 / 1 / 1]
5-716-046	Custom Paper: Thin	ID46	CTL	[0 to 2 / 1 / 1]
5-716-047	Custom Paper: Thin	ID47	CTL	[0 to 2 / 1 / 1]
5-716-048	Custom Paper: Thin	ID48	CTL	[0 to 2 / 1 / 1]
5-716-049	Custom Paper: Thin	ID49	CTL	[0 to 2 / 1 / 1]
5-716-050	Custom Paper: Thin	ID50	CTL	[0 to 2 / 1 / 1]
5-716-051	Custom Paper: Thin	ID51	CTL	[0 to 2 / 1 / 1]
5-716-052	Custom Paper: Thin	ID52	CTL	[0 to 2 / 1 / 1]
5-716-053	Custom Paper: Thin	ID53	CTL	[0 to 2 / 1 / 1]
5-716-054	Custom Paper: Thin	ID54	CTL	[0 to 2 / 1 / 1]
5-716-055	Custom Paper: Thin	ID55	CTL	[0 to 2 / 1 / 1]
5-716-056	Custom Paper: Thin	ID56	CTL	[0 to 2 / 1 / 1]
5-716-057	Custom Paper: Thin	ID57	CTL	[0 to 2 / 1 / 1]
5-716-058	Custom Paper: Thin	ID58	CTL	[0 to 2 / 1 / 1]
5-716-059	Custom Paper: Thin	ID59	CTL	[0 to 2 / 1 / 1]
5-716-060	Custom Paper: Thin	ID60	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID61	CTL	[0 to 2 / 1 / 1]

061				
5-716-062	Custom Paper: Thin	ID62	CTL	[0 to 2 / 1 / 1]
5-716-063	Custom Paper: Thin	ID63	CTL	[0 to 2 / 1 / 1]
5-716-064	Custom Paper: Thin	ID64	CTL	[0 to 2 / 1 / 1]
5-716-065	Custom Paper: Thin	ID65	CTL	[0 to 2 / 1 / 1]
5-716-066	Custom Paper: Thin	ID66	CTL	[0 to 2 / 1 / 1]
5-716-067	Custom Paper: Thin	ID67	CTL	[0 to 2 / 1 / 1]
5-716-068	Custom Paper: Thin	ID68	CTL	[0 to 2 / 1 / 1]
5-716-069	Custom Paper: Thin	ID69	CTL	[0 to 2 / 1 / 1]
5-716-070	Custom Paper: Thin	ID70	CTL	[0 to 2 / 1 / 1]
5-716-071	Custom Paper: Thin	ID71	CTL	[0 to 2 / 1 / 1]
5-716-072	Custom Paper: Thin	ID72	CTL	[0 to 2 / 1 / 1]
5-716-073	Custom Paper: Thin	ID73	CTL	[0 to 2 / 1 / 1]
5-716-074	Custom Paper: Thin	ID74	CTL	[0 to 2 / 1 / 1]
5-716-075	Custom Paper: Thin	ID75	CTL	[0 to 2 / 1 / 1]
5-716-076	Custom Paper: Thin	ID76	CTL	[0 to 2 / 1 / 1]
5-716-077	Custom Paper: Thin	ID77	CTL	[0 to 2 / 1 / 1]
5-716-078	Custom Paper: Thin	ID78	CTL	[0 to 2 / 1 / 1]
5-716-079	Custom Paper: Thin	ID79	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID80	CTL	[0 to 2 / 1 / 1]

080				
5-716-081	Custom Paper: Thin	ID81	CTL	[0 to 2 / 1 / 1]
5-716-082	Custom Paper: Thin	ID82	CTL	[0 to 2 / 1 / 1]
5-716-083	Custom Paper: Thin	ID83	CTL	[0 to 2 / 1 / 1]
5-716-084	Custom Paper: Thin	ID84	CTL	[0 to 2 / 1 / 1]
5-716-085	Custom Paper: Thin	ID85	CTL	[0 to 2 / 1 / 1]
5-716-086	Custom Paper: Thin	ID86	CTL	[0 to 2 / 1 / 1]
5-716-087	Custom Paper: Thin	ID87	CTL	[0 to 2 / 1 / 1]
5-716-088	Custom Paper: Thin	ID88	CTL	[0 to 2 / 1 / 1]
5-716-089	Custom Paper: Thin	ID89	CTL	[0 to 2 / 1 / 1]
5-716-090	Custom Paper: Thin	ID90	CTL	[0 to 2 / 1 / 1]
5-716-091	Custom Paper: Thin	ID91	CTL	[0 to 2 / 1 / 1]
5-716-092	Custom Paper: Thin	ID92	CTL	[0 to 2 / 1 / 1]
5-716-093	Custom Paper: Thin	ID93	CTL	[0 to 2 / 1 / 1]
5-716-094	Custom Paper: Thin	ID94	CTL	[0 to 2 / 1 / 1]
5-716-095	Custom Paper: Thin	ID95	CTL	[0 to 2 / 1 / 1]
5-716-096	Custom Paper: Thin	ID96	CTL	[0 to 2 / 1 / 1]
5-716-097	Custom Paper: Thin	ID97	CTL	[0 to 2 / 1 / 1]
5-716-098	Custom Paper: Thin	ID98	CTL	[0 to 2 / 1 / 1]
5-716-	Custom Paper: Thin	ID99	CTL	[0 to 2 / 1 / 1]

099				
5-716-100	Custom Paper: Thin	ID100	CTL	[0 to 2 / 1 / 1]
5-717-001	Custom Paper: UP/Web Info. 1: P-Type	ID1	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-002	Custom Paper: UP/Web Info. 1: P-Type	ID2	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-003	Custom Paper: UP/Web Info. 1: P-Type	ID3	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-004	Custom Paper: UP/Web Info. 1: P-Type	ID4	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-005	Custom Paper: UP/Web Info. 1: P-Type	ID5	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-006	Custom Paper: UP/Web Info. 1: P-Type	ID6	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-007	Custom Paper: UP/Web Info. 1: P-Type	ID7	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-008	Custom Paper: UP/Web Info. 1: P-Type	ID8	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-009	Custom Paper: UP/Web Info. 1: P-Type	ID9	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-010	Custom Paper: UP/Web Info. 1: P-Type	ID10	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-011	Custom Paper: UP/Web Info. 1: P-Type	ID11	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-012	Custom Paper: UP/Web Info. 1: P-Type	ID12	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-013	Custom Paper: UP/Web Info. 1: P-Type	ID13	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-014	Custom Paper: UP/Web Info. 1: P-Type	ID14	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-015	Custom Paper: UP/Web Info. 1: P-Type	ID15	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-016	Custom Paper: UP/Web Info. 1: P-Type	ID16	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-017	Custom Paper: UP/Web Info. 1: P-Type	ID17	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-	Custom Paper: UP/Web Info.	ID18	CTL	[0 to 0xFFFFFFFF /

018	1: P-Type			1 / 1]
5-717-019	Custom Paper: UP/Web Info. 1: P-Type	ID19	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-020	Custom Paper: UP/Web Info. 1: P-Type	ID20	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-021	Custom Paper: UP/Web Info. 1: P-Type	ID21	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-022	Custom Paper: UP/Web Info. 1: P-Type	ID22	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-023	Custom Paper: UP/Web Info. 1: P-Type	ID23	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-024	Custom Paper: UP/Web Info. 1: P-Type	ID24	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-025	Custom Paper: UP/Web Info. 1: P-Type	ID25	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-026	Custom Paper: UP/Web Info. 1: P-Type	ID26	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-027	Custom Paper: UP/Web Info. 1: P-Type	ID27	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-028	Custom Paper: UP/Web Info. 1: P-Type	ID28	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-029	Custom Paper: UP/Web Info. 1: P-Type	ID29	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-030	Custom Paper: UP/Web Info. 1: P-Type	ID30	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-031	Custom Paper: UP/Web Info. 1: P-Type	ID31	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-032	Custom Paper: UP/Web Info. 1: P-Type	ID32	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-033	Custom Paper: UP/Web Info. 1: P-Type	ID33	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-034	Custom Paper: UP/Web Info. 1: P-Type	ID34	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-035	Custom Paper: UP/Web Info. 1: P-Type	ID35	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-036	Custom Paper: UP/Web Info. 1: P-Type	ID36	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-	Custom Paper: UP/Web Info.	ID37	CTL	[0 to 0xFFFFFFFF /

037	1: P-Type			1 / 1]
5-717-038	Custom Paper: UP/Web Info. 1: P-Type	ID38	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-039	Custom Paper: UP/Web Info. 1: P-Type	ID39	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-040	Custom Paper: UP/Web Info. 1: P-Type	ID40	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-041	Custom Paper: UP/Web Info. 1: P-Type	ID41	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-042	Custom Paper: UP/Web Info. 1: P-Type	ID42	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-043	Custom Paper: UP/Web Info. 1: P-Type	ID43	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-044	Custom Paper: UP/Web Info. 1: P-Type	ID44	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-045	Custom Paper: UP/Web Info. 1: P-Type	ID45	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-046	Custom Paper: UP/Web Info. 1: P-Type	ID46	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-047	Custom Paper: UP/Web Info. 1: P-Type	ID47	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-048	Custom Paper: UP/Web Info. 1: P-Type	ID48	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-049	Custom Paper: UP/Web Info. 1: P-Type	ID49	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-050	Custom Paper: UP/Web Info. 1: P-Type	ID50	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-051	Custom Paper: UP/Web Info. 1: P-Type	ID51	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-052	Custom Paper: UP/Web Info. 1: P-Type	ID52	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-053	Custom Paper: UP/Web Info. 1: P-Type	ID53	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-054	Custom Paper: UP/Web Info. 1: P-Type	ID54	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-055	Custom Paper: UP/Web Info. 1: P-Type	ID55	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-	Custom Paper: UP/Web Info.	ID56	CTL	[0 to 0xFFFFFFFF /

056	1: P-Type			1 / 1]
5-717-057	Custom Paper: UP/Web Info. 1: P-Type	ID57	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-058	Custom Paper: UP/Web Info. 1: P-Type	ID58	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-059	Custom Paper: UP/Web Info. 1: P-Type	ID59	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-060	Custom Paper: UP/Web Info. 1: P-Type	ID60	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-061	Custom Paper: UP/Web Info. 1: P-Type	ID61	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-062	Custom Paper: UP/Web Info. 1: P-Type	ID62	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-063	Custom Paper: UP/Web Info. 1: P-Type	ID63	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-064	Custom Paper: UP/Web Info. 1: P-Type	ID64	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-065	Custom Paper: UP/Web Info. 1: P-Type	ID65	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-066	Custom Paper: UP/Web Info. 1: P-Type	ID66	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-067	Custom Paper: UP/Web Info. 1: P-Type	ID67	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-068	Custom Paper: UP/Web Info. 1: P-Type	ID68	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-069	Custom Paper: UP/Web Info. 1: P-Type	ID69	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-070	Custom Paper: UP/Web Info. 1: P-Type	ID70	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-071	Custom Paper: UP/Web Info. 1: P-Type	ID71	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-072	Custom Paper: UP/Web Info. 1: P-Type	ID72	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-073	Custom Paper: UP/Web Info. 1: P-Type	ID73	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-074	Custom Paper: UP/Web Info. 1: P-Type	ID74	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-	Custom Paper: UP/Web Info.	ID75	CTL	[0 to 0xFFFFFFFF /

075	1: P-Type			1 / 1]
5-717-076	Custom Paper: UP/Web Info. 1: P-Type	ID76	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-077	Custom Paper: UP/Web Info. 1: P-Type	ID77	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-078	Custom Paper: UP/Web Info. 1: P-Type	ID78	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-079	Custom Paper: UP/Web Info. 1: P-Type	ID79	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-080	Custom Paper: UP/Web Info. 1: P-Type	ID80	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-081	Custom Paper: UP/Web Info. 1: P-Type	ID81	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-082	Custom Paper: UP/Web Info. 1: P-Type	ID82	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-083	Custom Paper: UP/Web Info. 1: P-Type	ID83	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-084	Custom Paper: UP/Web Info. 1: P-Type	ID84	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-085	Custom Paper: UP/Web Info. 1: P-Type	ID85	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-086	Custom Paper: UP/Web Info. 1: P-Type	ID86	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-087	Custom Paper: UP/Web Info. 1: P-Type	ID87	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-088	Custom Paper: UP/Web Info. 1: P-Type	ID88	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-089	Custom Paper: UP/Web Info. 1: P-Type	ID89	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-090	Custom Paper: UP/Web Info. 1: P-Type	ID90	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-091	Custom Paper: UP/Web Info. 1: P-Type	ID91	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-092	Custom Paper: UP/Web Info. 1: P-Type	ID92	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-093	Custom Paper: UP/Web Info. 1: P-Type	ID93	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-	Custom Paper: UP/Web Info.	ID94	CTL	[0 to 0xFFFFFFFF /

094	1: P-Type			1 / 1]
5-717-095	Custom Paper: UP/Web Info. 1: P-Type	ID95	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-096	Custom Paper: UP/Web Info. 1: P-Type	ID96	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-097	Custom Paper: UP/Web Info. 1: P-Type	ID97	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-098	Custom Paper: UP/Web Info. 1: P-Type	ID98	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-099	Custom Paper: UP/Web Info. 1: P-Type	ID99	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-717-100	Custom Paper: UP/Web Info. 1: P-Type	ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-001	Custom Paper: UP/Web Info. 2: Coated	ID1	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-002	Custom Paper: UP/Web Info. 2: Coated	ID2	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-003	Custom Paper: UP/Web Info. 2: Coated	ID3	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-004	Custom Paper: UP/Web Info. 2: Coated	ID4	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-005	Custom Paper: UP/Web Info. 2: Coated	ID5	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-006	Custom Paper: UP/Web Info. 2: Coated	ID6	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-007	Custom Paper: UP/Web Info. 2: Coated	ID7	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-008	Custom Paper: UP/Web Info. 2: Coated	ID8	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-009	Custom Paper: UP/Web Info. 2: Coated	ID9	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-010	Custom Paper: UP/Web Info. 2: Coated	ID10	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-011	Custom Paper: UP/Web Info. 2: Coated	ID11	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-012	Custom Paper: UP/Web Info. 2: Coated	ID12	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-	Custom Paper: UP/Web Info.	ID13	CTL	[0 to 0xFFFFFFFF /

013	2: Coated			1 / 1]
5-718-014	Custom Paper: UP/Web Info. 2: Coated	ID14	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-015	Custom Paper: UP/Web Info. 2: Coated	ID15	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-016	Custom Paper: UP/Web Info. 2: Coated	ID16	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-017	Custom Paper: UP/Web Info. 2: Coated	ID17	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-018	Custom Paper: UP/Web Info. 2: Coated	ID18	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-019	Custom Paper: UP/Web Info. 2: Coated	ID19	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-020	Custom Paper: UP/Web Info. 2: Coated	ID20	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-021	Custom Paper: UP/Web Info. 2: Coated	ID21	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-022	Custom Paper: UP/Web Info. 2: Coated	ID22	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-023	Custom Paper: UP/Web Info. 2: Coated	ID23	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-024	Custom Paper: UP/Web Info. 2: Coated	ID24	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-025	Custom Paper: UP/Web Info. 2: Coated	ID25	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-026	Custom Paper: UP/Web Info. 2: Coated	ID26	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-027	Custom Paper: UP/Web Info. 2: Coated	ID27	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-028	Custom Paper: UP/Web Info. 2: Coated	ID28	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-029	Custom Paper: UP/Web Info. 2: Coated	ID29	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-030	Custom Paper: UP/Web Info. 2: Coated	ID30	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-031	Custom Paper: UP/Web Info. 2: Coated	ID31	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-	Custom Paper: UP/Web Info.	ID32	CTL	[0 to 0xFFFFFFFF /

032	2: Coated			1 / 1]
5-718-033	Custom Paper: UP/Web Info. 2: Coated	ID33	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-034	Custom Paper: UP/Web Info. 2: Coated	ID34	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-035	Custom Paper: UP/Web Info. 2: Coated	ID35	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-036	Custom Paper: UP/Web Info. 2: Coated	ID36	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-037	Custom Paper: UP/Web Info. 2: Coated	ID37	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-038	Custom Paper: UP/Web Info. 2: Coated	ID38	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-039	Custom Paper: UP/Web Info. 2: Coated	ID39	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-040	Custom Paper: UP/Web Info. 2: Coated	ID40	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-041	Custom Paper: UP/Web Info. 2: Coated	ID41	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-042	Custom Paper: UP/Web Info. 2: Coated	ID42	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-043	Custom Paper: UP/Web Info. 2: Coated	ID43	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-044	Custom Paper: UP/Web Info. 2: Coated	ID44	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-045	Custom Paper: UP/Web Info. 2: Coated	ID45	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-046	Custom Paper: UP/Web Info. 2: Coated	ID46	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-047	Custom Paper: UP/Web Info. 2: Coated	ID47	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-048	Custom Paper: UP/Web Info. 2: Coated	ID48	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-049	Custom Paper: UP/Web Info. 2: Coated	ID49	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-050	Custom Paper: UP/Web Info. 2: Coated	ID50	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-	Custom Paper: UP/Web Info.	ID51	CTL	[0 to 0xFFFFFFFF /

051	2: Coated			1 / 1]
5-718-052	Custom Paper: UP/Web Info. 2: Coated	ID52	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-053	Custom Paper: UP/Web Info. 2: Coated	ID53	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-054	Custom Paper: UP/Web Info. 2: Coated	ID54	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-055	Custom Paper: UP/Web Info. 2: Coated	ID55	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-056	Custom Paper: UP/Web Info. 2: Coated	ID56	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-057	Custom Paper: UP/Web Info. 2: Coated	ID57	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-058	Custom Paper: UP/Web Info. 2: Coated	ID58	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-059	Custom Paper: UP/Web Info. 2: Coated	ID59	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-060	Custom Paper: UP/Web Info. 2: Coated	ID60	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-061	Custom Paper: UP/Web Info. 2: Coated	ID61	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-062	Custom Paper: UP/Web Info. 2: Coated	ID62	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-063	Custom Paper: UP/Web Info. 2: Coated	ID63	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-064	Custom Paper: UP/Web Info. 2: Coated	ID64	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-065	Custom Paper: UP/Web Info. 2: Coated	ID65	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-066	Custom Paper: UP/Web Info. 2: Coated	ID66	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-067	Custom Paper: UP/Web Info. 2: Coated	ID67	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-068	Custom Paper: UP/Web Info. 2: Coated	ID68	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-069	Custom Paper: UP/Web Info. 2: Coated	ID69	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-	Custom Paper: UP/Web Info.	ID70	CTL	[0 to 0xFFFFFFFF /

070	2: Coated			1 / 1]
5-718-071	Custom Paper: UP/Web Info. 2: Coated	ID71	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-072	Custom Paper: UP/Web Info. 2: Coated	ID72	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-073	Custom Paper: UP/Web Info. 2: Coated	ID73	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-074	Custom Paper: UP/Web Info. 2: Coated	ID74	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-075	Custom Paper: UP/Web Info. 2: Coated	ID75	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-076	Custom Paper: UP/Web Info. 2: Coated	ID76	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-077	Custom Paper: UP/Web Info. 2: Coated	ID77	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-078	Custom Paper: UP/Web Info. 2: Coated	ID78	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-079	Custom Paper: UP/Web Info. 2: Coated	ID79	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-080	Custom Paper: UP/Web Info. 2: Coated	ID80	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-081	Custom Paper: UP/Web Info. 2: Coated	ID81	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-082	Custom Paper: UP/Web Info. 2: Coated	ID82	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-083	Custom Paper: UP/Web Info. 2: Coated	ID83	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-084	Custom Paper: UP/Web Info. 2: Coated	ID84	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-085	Custom Paper: UP/Web Info. 2: Coated	ID85	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-086	Custom Paper: UP/Web Info. 2: Coated	ID86	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-087	Custom Paper: UP/Web Info. 2: Coated	ID87	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-088	Custom Paper: UP/Web Info. 2: Coated	ID88	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-	Custom Paper: UP/Web Info.	ID89	CTL	[0 to 0xFFFFFFFF /

089	2: Coated			1 / 1]
5-718-090	Custom Paper: UP/Web Info. 2: Coated	ID90	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-091	Custom Paper: UP/Web Info. 2: Coated	ID91	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-092	Custom Paper: UP/Web Info. 2: Coated	ID92	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-093	Custom Paper: UP/Web Info. 2: Coated	ID93	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-094	Custom Paper: UP/Web Info. 2: Coated	ID94	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-095	Custom Paper: UP/Web Info. 2: Coated	ID95	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-096	Custom Paper: UP/Web Info. 2: Coated	ID96	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-097	Custom Paper: UP/Web Info. 2: Coated	ID97	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-098	Custom Paper: UP/Web Info. 2: Coated	ID98	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-099	Custom Paper: UP/Web Info. 2: Coated	ID99	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-718-100	Custom Paper: UP/Web Info. 2: Coated	ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-001	Custom Paper: UP/Web Info. 3: Punch	ID1	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-002	Custom Paper: UP/Web Info. 3: Punch	ID2	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-003	Custom Paper: UP/Web Info. 3: Punch	ID3	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-004	Custom Paper: UP/Web Info. 3: Punch	ID4	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-005	Custom Paper: UP/Web Info. 3: Punch	ID5	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-006	Custom Paper: UP/Web Info. 3: Punch	ID6	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-007	Custom Paper: UP/Web Info. 3: Punch	ID7	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-	Custom Paper: UP/Web Info.	ID8	CTL	[0 to 0xFFFFFFFF /

008	3: Punch			1 / 1]
5-719-009	Custom Paper: UP/Web Info. 3: Punch	ID9	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-010	Custom Paper: UP/Web Info. 3: Punch	ID10	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-011	Custom Paper: UP/Web Info. 3: Punch	ID11	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-012	Custom Paper: UP/Web Info. 3: Punch	ID12	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-013	Custom Paper: UP/Web Info. 3: Punch	ID13	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-014	Custom Paper: UP/Web Info. 3: Punch	ID14	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-015	Custom Paper: UP/Web Info. 3: Punch	ID15	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-016	Custom Paper: UP/Web Info. 3: Punch	ID16	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-017	Custom Paper: UP/Web Info. 3: Punch	ID17	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-018	Custom Paper: UP/Web Info. 3: Punch	ID18	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-019	Custom Paper: UP/Web Info. 3: Punch	ID19	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-020	Custom Paper: UP/Web Info. 3: Punch	ID20	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-021	Custom Paper: UP/Web Info. 3: Punch	ID21	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-022	Custom Paper: UP/Web Info. 3: Punch	ID22	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-023	Custom Paper: UP/Web Info. 3: Punch	ID23	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-024	Custom Paper: UP/Web Info. 3: Punch	ID24	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-025	Custom Paper: UP/Web Info. 3: Punch	ID25	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-026	Custom Paper: UP/Web Info. 3: Punch	ID26	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-	Custom Paper: UP/Web Info.	ID27	CTL	[0 to 0xFFFFFFFF /

027	3: Punch			1 / 1]
5-719-028	Custom Paper: UP/Web Info. 3: Punch	ID28	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-029	Custom Paper: UP/Web Info. 3: Punch	ID29	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-030	Custom Paper: UP/Web Info. 3: Punch	ID30	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-031	Custom Paper: UP/Web Info. 3: Punch	ID31	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-032	Custom Paper: UP/Web Info. 3: Punch	ID32	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-033	Custom Paper: UP/Web Info. 3: Punch	ID33	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-034	Custom Paper: UP/Web Info. 3: Punch	ID34	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-035	Custom Paper: UP/Web Info. 3: Punch	ID35	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-036	Custom Paper: UP/Web Info. 3: Punch	ID36	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-037	Custom Paper: UP/Web Info. 3: Punch	ID37	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-038	Custom Paper: UP/Web Info. 3: Punch	ID38	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-039	Custom Paper: UP/Web Info. 3: Punch	ID39	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-040	Custom Paper: UP/Web Info. 3: Punch	ID40	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-041	Custom Paper: UP/Web Info. 3: Punch	ID41	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-042	Custom Paper: UP/Web Info. 3: Punch	ID42	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-043	Custom Paper: UP/Web Info. 3: Punch	ID43	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-044	Custom Paper: UP/Web Info. 3: Punch	ID44	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-045	Custom Paper: UP/Web Info. 3: Punch	ID45	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-	Custom Paper: UP/Web Info.	ID46	CTL	[0 to 0xFFFFFFFF /

046	3: Punch			1 / 1]
5-719-047	Custom Paper: UP/Web Info. 3: Punch	ID47	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-048	Custom Paper: UP/Web Info. 3: Punch	ID48	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-049	Custom Paper: UP/Web Info. 3: Punch	ID49	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-050	Custom Paper: UP/Web Info. 3: Punch	ID50	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-051	Custom Paper: UP/Web Info. 3: Punch	ID51	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-052	Custom Paper: UP/Web Info. 3: Punch	ID52	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-053	Custom Paper: UP/Web Info. 3: Punch	ID53	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-054	Custom Paper: UP/Web Info. 3: Punch	ID54	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-055	Custom Paper: UP/Web Info. 3: Punch	ID55	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-056	Custom Paper: UP/Web Info. 3: Punch	ID56	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-057	Custom Paper: UP/Web Info. 3: Punch	ID57	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-058	Custom Paper: UP/Web Info. 3: Punch	ID58	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-059	Custom Paper: UP/Web Info. 3: Punch	ID59	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-060	Custom Paper: UP/Web Info. 3: Punch	ID60	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-061	Custom Paper: UP/Web Info. 3: Punch	ID61	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-062	Custom Paper: UP/Web Info. 3: Punch	ID62	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-063	Custom Paper: UP/Web Info. 3: Punch	ID63	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-064	Custom Paper: UP/Web Info. 3: Punch	ID64	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-	Custom Paper: UP/Web Info.	ID65	CTL	[0 to 0xFFFFFFFF /

065	3: Punch			1 / 1]
5-719-066	Custom Paper: UP/Web Info. 3: Punch	ID66	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-067	Custom Paper: UP/Web Info. 3: Punch	ID67	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-068	Custom Paper: UP/Web Info. 3: Punch	ID68	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-069	Custom Paper: UP/Web Info. 3: Punch	ID69	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-070	Custom Paper: UP/Web Info. 3: Punch	ID70	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-071	Custom Paper: UP/Web Info. 3: Punch	ID71	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-072	Custom Paper: UP/Web Info. 3: Punch	ID72	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-073	Custom Paper: UP/Web Info. 3: Punch	ID73	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-074	Custom Paper: UP/Web Info. 3: Punch	ID74	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-075	Custom Paper: UP/Web Info. 3: Punch	ID75	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-076	Custom Paper: UP/Web Info. 3: Punch	ID76	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-077	Custom Paper: UP/Web Info. 3: Punch	ID77	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-078	Custom Paper: UP/Web Info. 3: Punch	ID78	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-079	Custom Paper: UP/Web Info. 3: Punch	ID79	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-080	Custom Paper: UP/Web Info. 3: Punch	ID80	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-081	Custom Paper: UP/Web Info. 3: Punch	ID81	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-082	Custom Paper: UP/Web Info. 3: Punch	ID82	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-083	Custom Paper: UP/Web Info. 3: Punch	ID83	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-	Custom Paper: UP/Web Info.	ID84	CTL	[0 to 0xFFFFFFFF /

084	3: Punch			1 / 1]
5-719-085	Custom Paper: UP/Web Info. 3: Punch	ID85	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-086	Custom Paper: UP/Web Info. 3: Punch	ID86	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-087	Custom Paper: UP/Web Info. 3: Punch	ID87	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-088	Custom Paper: UP/Web Info. 3: Punch	ID88	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-089	Custom Paper: UP/Web Info. 3: Punch	ID89	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-090	Custom Paper: UP/Web Info. 3: Punch	ID90	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-091	Custom Paper: UP/Web Info. 3: Punch	ID91	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-092	Custom Paper: UP/Web Info. 3: Punch	ID92	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-093	Custom Paper: UP/Web Info. 3: Punch	ID93	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-094	Custom Paper: UP/Web Info. 3: Punch	ID94	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-095	Custom Paper: UP/Web Info. 3: Punch	ID95	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-096	Custom Paper: UP/Web Info. 3: Punch	ID96	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-097	Custom Paper: UP/Web Info. 3: Punch	ID97	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-098	Custom Paper: UP/Web Info. 3: Punch	ID98	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-099	Custom Paper: UP/Web Info. 3: Punch	ID99	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-719-100	Custom Paper: UP/Web Info. 3: Punch	ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1]

SP Group 5000-02 (Controller)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-720-001	Custom Paper: UP/Web Info. 4: Color	ID1	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-002	Custom Paper: UP/Web Info. 4: Color	ID2	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-003	Custom Paper: UP/Web Info. 4: Color	ID3	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-004	Custom Paper: UP/Web Info. 4: Color	ID4	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-005	Custom Paper: UP/Web Info. 4: Color	ID5	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-006	Custom Paper: UP/Web Info. 4: Color	ID6	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-007	Custom Paper: UP/Web Info. 4: Color	ID7	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-008	Custom Paper: UP/Web Info. 4: Color	ID8	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-009	Custom Paper: UP/Web Info. 4: Color	ID9	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-010	Custom Paper: UP/Web Info. 4: Color	ID10	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-011	Custom Paper: UP/Web Info. 4: Color	ID11	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-	Custom Paper: UP/Web Info.	ID12	CTL	[0 to 0xFFFFFFFF / 1

720-012	4: Color			/ 1]
5-720-013	Custom Paper: UP/Web Info. 4: Color	ID13	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-014	Custom Paper: UP/Web Info. 4: Color	ID14	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-015	Custom Paper: UP/Web Info. 4: Color	ID15	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-016	Custom Paper: UP/Web Info. 4: Color	ID16	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-017	Custom Paper: UP/Web Info. 4: Color	ID17	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-018	Custom Paper: UP/Web Info. 4: Color	ID18	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-019	Custom Paper: UP/Web Info. 4: Color	ID19	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-020	Custom Paper: UP/Web Info. 4: Color	ID20	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-021	Custom Paper: UP/Web Info. 4: Color	ID21	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-022	Custom Paper: UP/Web Info. 4: Color	ID22	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-023	Custom Paper: UP/Web Info. 4: Color	ID23	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-024	Custom Paper: UP/Web Info. 4: Color	ID24	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-025	Custom Paper: UP/Web Info. 4: Color	ID25	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-026	Custom Paper: UP/Web Info. 4: Color	ID26	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-027	Custom Paper: UP/Web Info. 4: Color	ID27	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-028	Custom Paper: UP/Web Info. 4: Color	ID28	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-029	Custom Paper: UP/Web Info. 4: Color	ID29	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-030	Custom Paper: UP/Web Info. 4: Color	ID30	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-031	Custom Paper: UP/Web Info. 4: Color	ID31	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-032	Custom Paper: UP/Web Info. 4: Color	ID32	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-033	Custom Paper: UP/Web Info. 4: Color	ID33	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-034	Custom Paper: UP/Web Info. 4: Color	ID34	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-035	Custom Paper: UP/Web Info. 4: Color	ID35	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-036	Custom Paper: UP/Web Info. 4: Color	ID36	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-037	Custom Paper: UP/Web Info. 4: Color	ID37	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-038	Custom Paper: UP/Web Info. 4: Color	ID38	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-039	Custom Paper: UP/Web Info. 4: Color	ID39	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-040	Custom Paper: UP/Web Info. 4: Color	ID40	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-041	Custom Paper: UP/Web Info. 4: Color	ID41	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-042	Custom Paper: UP/Web Info. 4: Color	ID42	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-043	Custom Paper: UP/Web Info. 4: Color	ID43	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-044	Custom Paper: UP/Web Info. 4: Color	ID44	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-045	Custom Paper: UP/Web Info. 4: Color	ID45	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-046	Custom Paper: UP/Web Info. 4: Color	ID46	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-047	Custom Paper: UP/Web Info. 4: Color	ID47	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-048	Custom Paper: UP/Web Info. 4: Color	ID48	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-049	Custom Paper: UP/Web Info. 4: Color	ID49	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-050	Custom Paper: UP/Web Info. 4: Color	ID50	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-051	Custom Paper: UP/Web Info. 4: Color	ID51	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-052	Custom Paper: UP/Web Info. 4: Color	ID52	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-053	Custom Paper: UP/Web Info. 4: Color	ID53	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-054	Custom Paper: UP/Web Info. 4: Color	ID54	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-055	Custom Paper: UP/Web Info. 4: Color	ID55	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-056	Custom Paper: UP/Web Info. 4: Color	ID56	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-057	Custom Paper: UP/Web Info. 4: Color	ID57	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-058	Custom Paper: UP/Web Info. 4: Color	ID58	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-059	Custom Paper: UP/Web Info. 4: Color	ID59	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-060	Custom Paper: UP/Web Info. 4: Color	ID60	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-061	Custom Paper: UP/Web Info. 4: Color	ID61	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-062	Custom Paper: UP/Web Info. 4: Color	ID62	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-063	Custom Paper: UP/Web Info. 4: Color	ID63	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-064	Custom Paper: UP/Web Info. 4: Color	ID64	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-065	Custom Paper: UP/Web Info. 4: Color	ID65	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-066	Custom Paper: UP/Web Info. 4: Color	ID66	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-067	Custom Paper: UP/Web Info. 4: Color	ID67	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-068	Custom Paper: UP/Web Info. 4: Color	ID68	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-069	Custom Paper: UP/Web Info. 4: Color	ID69	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-070	Custom Paper: UP/Web Info. 4: Color	ID70	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-071	Custom Paper: UP/Web Info. 4: Color	ID71	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-072	Custom Paper: UP/Web Info. 4: Color	ID72	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-073	Custom Paper: UP/Web Info. 4: Color	ID73	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-074	Custom Paper: UP/Web Info. 4: Color	ID74	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-075	Custom Paper: UP/Web Info. 4: Color	ID75	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-076	Custom Paper: UP/Web Info. 4: Color	ID76	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-077	Custom Paper: UP/Web Info. 4: Color	ID77	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-078	Custom Paper: UP/Web Info. 4: Color	ID78	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-079	Custom Paper: UP/Web Info. 4: Color	ID79	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-080	Custom Paper: UP/Web Info. 4: Color	ID80	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-081	Custom Paper: UP/Web Info. 4: Color	ID81	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-082	Custom Paper: UP/Web Info. 4: Color	ID82	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-083	Custom Paper: UP/Web Info. 4: Color	ID83	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-084	Custom Paper: UP/Web Info. 4: Color	ID84	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-085	Custom Paper: UP/Web Info. 4: Color	ID85	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-086	Custom Paper: UP/Web Info. 4: Color	ID86	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-087	Custom Paper: UP/Web Info. 4: Color	ID87	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-088	Custom Paper: UP/Web Info. 4: Color	ID88	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-089	Custom Paper: UP/Web Info. 4: Color	ID89	CTL	[0 to 0xFFFFFFFF / 1 / 1]

5-720-090	Custom Paper: UP/Web Info. 4: Color	ID90	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-091	Custom Paper: UP/Web Info. 4: Color	ID91	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-092	Custom Paper: UP/Web Info. 4: Color	ID92	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-093	Custom Paper: UP/Web Info. 4: Color	ID93	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-094	Custom Paper: UP/Web Info. 4: Color	ID94	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-095	Custom Paper: UP/Web Info. 4: Color	ID95	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-096	Custom Paper: UP/Web Info. 4: Color	ID96	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-097	Custom Paper: UP/Web Info. 4: Color	ID97	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-098	Custom Paper: UP/Web Info. 4: Color	ID98	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-099	Custom Paper: UP/Web Info. 4: Color	ID99	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-720-100	Custom Paper: UP/Web Info. 4: Color	ID100	CTL	[0 to 0xFFFFFFFF / 1 / 1]
5-721-001	Custom Paper: Size Code	ID1	CTL	[0 to 0xFF / 1 / 1]
5-721-002	Custom Paper: Size Code	ID2	CTL	[0 to 0xFF / 1 / 1]

5-721-003	Custom Paper: Size Code	ID3	CTL	[0 to 0xFF / 1 / 1]
5-721-004	Custom Paper: Size Code	ID4	CTL	[0 to 0xFF / 1 / 1]
5-721-005	Custom Paper: Size Code	ID5	CTL	[0 to 0xFF / 1 / 1]
5-721-006	Custom Paper: Size Code	ID6	CTL	[0 to 0xFF / 1 / 1]
5-721-007	Custom Paper: Size Code	ID7	CTL	[0 to 0xFF / 1 / 1]
5-721-008	Custom Paper: Size Code	ID8	CTL	[0 to 0xFF / 1 / 1]
5-721-009	Custom Paper: Size Code	ID9	CTL	[0 to 0xFF / 1 / 1]
5-721-010	Custom Paper: Size Code	ID10	CTL	[0 to 0xFF / 1 / 1]
5-721-011	Custom Paper: Size Code	ID11	CTL	[0 to 0xFF / 1 / 1]
5-721-012	Custom Paper: Size Code	ID12	CTL	[0 to 0xFF / 1 / 1]
5-721-013	Custom Paper: Size Code	ID13	CTL	[0 to 0xFF / 1 / 1]
5-721-014	Custom Paper: Size Code	ID14	CTL	[0 to 0xFF / 1 / 1]
5-721-015	Custom Paper: Size Code	ID15	CTL	[0 to 0xFF / 1 / 1]

5-721-016	Custom Paper: Size Code	ID16	CTL	[0 to 0xFF / 1 / 1]
5-721-017	Custom Paper: Size Code	ID17	CTL	[0 to 0xFF / 1 / 1]
5-721-018	Custom Paper: Size Code	ID18	CTL	[0 to 0xFF / 1 / 1]
5-721-019	Custom Paper: Size Code	ID19	CTL	[0 to 0xFF / 1 / 1]
5-721-020	Custom Paper: Size Code	ID20	CTL	[0 to 0xFF / 1 / 1]
5-721-021	Custom Paper: Size Code	ID21	CTL	[0 to 0xFF / 1 / 1]
5-721-022	Custom Paper: Size Code	ID22	CTL	[0 to 0xFF / 1 / 1]
5-721-023	Custom Paper: Size Code	ID23	CTL	[0 to 0xFF / 1 / 1]
5-721-024	Custom Paper: Size Code	ID24	CTL	[0 to 0xFF / 1 / 1]
5-721-025	Custom Paper: Size Code	ID25	CTL	[0 to 0xFF / 1 / 1]
5-721-026	Custom Paper: Size Code	ID26	CTL	[0 to 0xFF / 1 / 1]
5-721-027	Custom Paper: Size Code	ID27	CTL	[0 to 0xFF / 1 / 1]
5-721-028	Custom Paper: Size Code	ID28	CTL	[0 to 0xFF / 1 / 1]

5-721-029	Custom Paper: Size Code	ID29	CTL	[0 to 0xFF / 1 / 1]
5-721-030	Custom Paper: Size Code	ID30	CTL	[0 to 0xFF / 1 / 1]
5-721-031	Custom Paper: Size Code	ID31	CTL	[0 to 0xFF / 1 / 1]
5-721-032	Custom Paper: Size Code	ID32	CTL	[0 to 0xFF / 1 / 1]
5-721-033	Custom Paper: Size Code	ID33	CTL	[0 to 0xFF / 1 / 1]
5-721-034	Custom Paper: Size Code	ID34	CTL	[0 to 0xFF / 1 / 1]
5-721-035	Custom Paper: Size Code	ID35	CTL	[0 to 0xFF / 1 / 1]
5-721-036	Custom Paper: Size Code	ID36	CTL	[0 to 0xFF / 1 / 1]
5-721-037	Custom Paper: Size Code	ID37	CTL	[0 to 0xFF / 1 / 1]
5-721-038	Custom Paper: Size Code	ID38	CTL	[0 to 0xFF / 1 / 1]
5-721-039	Custom Paper: Size Code	ID39	CTL	[0 to 0xFF / 1 / 1]
5-721-040	Custom Paper: Size Code	ID40	CTL	[0 to 0xFF / 1 / 1]
5-721-041	Custom Paper: Size Code	ID41	CTL	[0 to 0xFF / 1 / 1]

5-721-042	Custom Paper: Size Code	ID42	CTL	[0 to 0xFF / 1 / 1]
5-721-043	Custom Paper: Size Code	ID43	CTL	[0 to 0xFF / 1 / 1]
5-721-044	Custom Paper: Size Code	ID44	CTL	[0 to 0xFF / 1 / 1]
5-721-045	Custom Paper: Size Code	ID45	CTL	[0 to 0xFF / 1 / 1]
5-721-046	Custom Paper: Size Code	ID46	CTL	[0 to 0xFF / 1 / 1]
5-721-047	Custom Paper: Size Code	ID47	CTL	[0 to 0xFF / 1 / 1]
5-721-048	Custom Paper: Size Code	ID48	CTL	[0 to 0xFF / 1 / 1]
5-721-049	Custom Paper: Size Code	ID49	CTL	[0 to 0xFF / 1 / 1]
5-721-050	Custom Paper: Size Code	ID50	CTL	[0 to 0xFF / 1 / 1]
5-721-051	Custom Paper: Size Code	ID51	CTL	[0 to 0xFF / 1 / 1]
5-721-052	Custom Paper: Size Code	ID52	CTL	[0 to 0xFF / 1 / 1]
5-721-053	Custom Paper: Size Code	ID53	CTL	[0 to 0xFF / 1 / 1]
5-721-054	Custom Paper: Size Code	ID54	CTL	[0 to 0xFF / 1 / 1]

5-721-055	Custom Paper: Size Code	ID55	CTL	[0 to 0xFF / 1 / 1]
5-721-056	Custom Paper: Size Code	ID56	CTL	[0 to 0xFF / 1 / 1]
5-721-057	Custom Paper: Size Code	ID57	CTL	[0 to 0xFF / 1 / 1]
5-721-058	Custom Paper: Size Code	ID58	CTL	[0 to 0xFF / 1 / 1]
5-721-059	Custom Paper: Size Code	ID59	CTL	[0 to 0xFF / 1 / 1]
5-721-060	Custom Paper: Size Code	ID60	CTL	[0 to 0xFF / 1 / 1]
5-721-061	Custom Paper: Size Code	ID61	CTL	[0 to 0xFF / 1 / 1]
5-721-062	Custom Paper: Size Code	ID62	CTL	[0 to 0xFF / 1 / 1]
5-721-063	Custom Paper: Size Code	ID63	CTL	[0 to 0xFF / 1 / 1]
5-721-064	Custom Paper: Size Code	ID64	CTL	[0 to 0xFF / 1 / 1]
5-721-065	Custom Paper: Size Code	ID65	CTL	[0 to 0xFF / 1 / 1]
5-721-066	Custom Paper: Size Code	ID66	CTL	[0 to 0xFF / 1 / 1]
5-721-067	Custom Paper: Size Code	ID67	CTL	[0 to 0xFF / 1 / 1]

5-721-068	Custom Paper: Size Code	ID68	CTL	[0 to 0xFF / 1 / 1]
5-721-069	Custom Paper: Size Code	ID69	CTL	[0 to 0xFF / 1 / 1]
5-721-070	Custom Paper: Size Code	ID70	CTL	[0 to 0xFF / 1 / 1]
5-721-071	Custom Paper: Size Code	ID71	CTL	[0 to 0xFF / 1 / 1]
5-721-072	Custom Paper: Size Code	ID72	CTL	[0 to 0xFF / 1 / 1]
5-721-073	Custom Paper: Size Code	ID73	CTL	[0 to 0xFF / 1 / 1]
5-721-074	Custom Paper: Size Code	ID74	CTL	[0 to 0xFF / 1 / 1]
5-721-075	Custom Paper: Size Code	ID75	CTL	[0 to 0xFF / 1 / 1]
5-721-076	Custom Paper: Size Code	ID76	CTL	[0 to 0xFF / 1 / 1]
5-721-077	Custom Paper: Size Code	ID77	CTL	[0 to 0xFF / 1 / 1]
5-721-078	Custom Paper: Size Code	ID78	CTL	[0 to 0xFF / 1 / 1]
5-721-079	Custom Paper: Size Code	ID79	CTL	[0 to 0xFF / 1 / 1]
5-721-080	Custom Paper: Size Code	ID80	CTL	[0 to 0xFF / 1 / 1]

5-721-081	Custom Paper: Size Code	ID81	CTL	[0 to 0xFF / 1 / 1]
5-721-082	Custom Paper: Size Code	ID82	CTL	[0 to 0xFF / 1 / 1]
5-721-083	Custom Paper: Size Code	ID83	CTL	[0 to 0xFF / 1 / 1]
5-721-084	Custom Paper: Size Code	ID84	CTL	[0 to 0xFF / 1 / 1]
5-721-085	Custom Paper: Size Code	ID85	CTL	[0 to 0xFF / 1 / 1]
5-721-086	Custom Paper: Size Code	ID86	CTL	[0 to 0xFF / 1 / 1]
5-721-087	Custom Paper: Size Code	ID87	CTL	[0 to 0xFF / 1 / 1]
5-721-088	Custom Paper: Size Code	ID88	CTL	[0 to 0xFF / 1 / 1]
5-721-089	Custom Paper: Size Code	ID89	CTL	[0 to 0xFF / 1 / 1]
5-721-090	Custom Paper: Size Code	ID90	CTL	[0 to 0xFF / 1 / 1]
5-721-091	Custom Paper: Size Code	ID91	CTL	[0 to 0xFF / 1 / 1]
5-721-092	Custom Paper: Size Code	ID92	CTL	[0 to 0xFF / 1 / 1]
5-721-093	Custom Paper: Size Code	ID93	CTL	[0 to 0xFF / 1 / 1]

5-721-094	Custom Paper: Size Code	ID94	CTL	[0 to 0xFF / 1 / 1]
5-721-095	Custom Paper: Size Code	ID95	CTL	[0 to 0xFF / 1 / 1]
5-721-096	Custom Paper: Size Code	ID96	CTL	[0 to 0xFF / 1 / 1]
5-721-097	Custom Paper: Size Code	ID97	CTL	[0 to 0xFF / 1 / 1]
5-721-098	Custom Paper: Size Code	ID98	CTL	[0 to 0xFF / 1 / 1]
5-721-099	Custom Paper: Size Code	ID99	CTL	[0 to 0xFF / 1 / 1]
5-721-100	Custom Paper: Size Code	ID100	CTL	[0 to 0xFF / 1 / 1]
5-722-001	Custom Paper: Width (M-scan 0.1 mm)	ID1	CTL	[0 to 65535 / 1 / 0.1]
5-722-002	Custom Paper: Width (M-scan 0.1 mm)	ID2	CTL	[0 to 65535 / 1 / 0.1]
5-722-003	Custom Paper: Width (M-scan 0.1 mm)	ID3	CTL	[0 to 65535 / 1 / 0.1]
5-722-004	Custom Paper: Width (M-scan 0.1 mm)	ID4	CTL	[0 to 65535 / 1 / 0.1]
5-722-005	Custom Paper: Width (M-scan 0.1 mm)	ID5	CTL	[0 to 65535 / 1 / 0.1]
5-722-006	Custom Paper: Width (M-scan 0.1 mm)	ID6	CTL	[0 to 65535 / 1 / 0.1]

5-722-007	Custom Paper: Width (M-scan 0.1 mm)	ID7	CTL	[0 to 65535 / 1 / 0.1]
5-722-008	Custom Paper: Width (M-scan 0.1 mm)	ID8	CTL	[0 to 65535 / 1 / 0.1]
5-722-009	Custom Paper: Width (M-scan 0.1 mm)	ID9	CTL	[0 to 65535 / 1 / 0.1]
5-722-010	Custom Paper: Width (M-scan 0.1 mm)	ID10	CTL	[0 to 65535 / 1 / 0.1]
5-722-011	Custom Paper: Width (M-scan 0.1 mm)	ID11	CTL	[0 to 65535 / 1 / 0.1]
5-722-012	Custom Paper: Width (M-scan 0.1 mm)	ID12	CTL	[0 to 65535 / 1 / 0.1]
5-722-013	Custom Paper: Width (M-scan 0.1 mm)	ID13	CTL	[0 to 65535 / 1 / 0.1]
5-722-014	Custom Paper: Width (M-scan 0.1 mm)	ID14	CTL	[0 to 65535 / 1 / 0.1]
5-722-015	Custom Paper: Width (M-scan 0.1 mm)	ID15	CTL	[0 to 65535 / 1 / 0.1]
5-722-016	Custom Paper: Width (M-scan 0.1 mm)	ID16	CTL	[0 to 65535 / 1 / 0.1]
5-722-017	Custom Paper: Width (M-scan 0.1 mm)	ID17	CTL	[0 to 65535 / 1 / 0.1]
5-722-018	Custom Paper: Width (M-scan 0.1 mm)	ID18	CTL	[0 to 65535 / 1 / 0.1]
5-722-019	Custom Paper: Width (M-scan 0.1 mm)	ID19	CTL	[0 to 65535 / 1 / 0.1]

5-722-020	Custom Paper: Width (M-scan 0.1 mm)	ID20	CTL	[0 to 65535 / 1 / 0.1]
5-722-021	Custom Paper: Width (M-scan 0.1 mm)	ID21	CTL	[0 to 65535 / 1 / 0.1]
5-722-022	Custom Paper: Width (M-scan 0.1 mm)	ID22	CTL	[0 to 65535 / 1 / 0.1]
5-722-023	Custom Paper: Width (M-scan 0.1 mm)	ID23	CTL	[0 to 65535 / 1 / 0.1]
5-722-024	Custom Paper: Width (M-scan 0.1 mm)	ID24	CTL	[0 to 65535 / 1 / 0.1]
5-722-025	Custom Paper: Width (M-scan 0.1 mm)	ID25	CTL	[0 to 65535 / 1 / 0.1]
5-722-026	Custom Paper: Width (M-scan 0.1 mm)	ID26	CTL	[0 to 65535 / 1 / 0.1]
5-722-027	Custom Paper: Width (M-scan 0.1 mm)	ID27	CTL	[0 to 65535 / 1 / 0.1]
5-722-028	Custom Paper: Width (M-scan 0.1 mm)	ID28	CTL	[0 to 65535 / 1 / 0.1]
5-722-029	Custom Paper: Width (M-scan 0.1 mm)	ID29	CTL	[0 to 65535 / 1 / 0.1]
5-722-030	Custom Paper: Width (M-scan 0.1 mm)	ID30	CTL	[0 to 65535 / 1 / 0.1]
5-722-031	Custom Paper: Width (M-scan 0.1 mm)	ID31	CTL	[0 to 65535 / 1 / 0.1]
5-722-032	Custom Paper: Width (M-scan 0.1 mm)	ID32	CTL	[0 to 65535 / 1 / 0.1]

5-722-033	Custom Paper: Width (M-scan 0.1 mm)	ID33	CTL	[0 to 65535 / 1 / 0.1]
5-722-034	Custom Paper: Width (M-scan 0.1 mm)	ID34	CTL	[0 to 65535 / 1 / 0.1]
5-722-035	Custom Paper: Width (M-scan 0.1 mm)	ID35	CTL	[0 to 65535 / 1 / 0.1]
5-722-036	Custom Paper: Width (M-scan 0.1 mm)	ID36	CTL	[0 to 65535 / 1 / 0.1]
5-722-037	Custom Paper: Width (M-scan 0.1 mm)	ID37	CTL	[0 to 65535 / 1 / 0.1]
5-722-038	Custom Paper: Width (M-scan 0.1 mm)	ID38	CTL	[0 to 65535 / 1 / 0.1]
5-722-039	Custom Paper: Width (M-scan 0.1 mm)	ID39	CTL	[0 to 65535 / 1 / 0.1]
5-722-040	Custom Paper: Width (M-scan 0.1 mm)	ID40	CTL	[0 to 65535 / 1 / 0.1]
5-722-041	Custom Paper: Width (M-scan 0.1 mm)	ID41	CTL	[0 to 65535 / 1 / 0.1]
5-722-042	Custom Paper: Width (M-scan 0.1 mm)	ID42	CTL	[0 to 65535 / 1 / 0.1]
5-722-043	Custom Paper: Width (M-scan 0.1 mm)	ID43	CTL	[0 to 65535 / 1 / 0.1]
5-722-044	Custom Paper: Width (M-scan 0.1 mm)	ID44	CTL	[0 to 65535 / 1 / 0.1]
5-722-045	Custom Paper: Width (M-scan 0.1 mm)	ID45	CTL	[0 to 65535 / 1 / 0.1]

5-722-046	Custom Paper: Width (M-scan 0.1 mm)	ID46	CTL	[0 to 65535 / 1 / 0.1]
5-722-047	Custom Paper: Width (M-scan 0.1 mm)	ID47	CTL	[0 to 65535 / 1 / 0.1]
5-722-048	Custom Paper: Width (M-scan 0.1 mm)	ID48	CTL	[0 to 65535 / 1 / 0.1]
5-722-049	Custom Paper: Width (M-scan 0.1 mm)	ID49	CTL	[0 to 65535 / 1 / 0.1]
5-722-050	Custom Paper: Width (M-scan 0.1 mm)	ID50	CTL	[0 to 65535 / 1 / 0.1]
5-722-051	Custom Paper: Width (M-scan 0.1 mm)	ID51	CTL	[0 to 65535 / 1 / 0.1]
5-722-052	Custom Paper: Width (M-scan 0.1 mm)	ID52	CTL	[0 to 65535 / 1 / 0.1]
5-722-053	Custom Paper: Width (M-scan 0.1 mm)	ID53	CTL	[0 to 65535 / 1 / 0.1]
5-722-054	Custom Paper: Width (M-scan 0.1 mm)	ID54	CTL	[0 to 65535 / 1 / 0.1]
5-722-055	Custom Paper: Width (M-scan 0.1 mm)	ID55	CTL	[0 to 65535 / 1 / 0.1]
5-722-056	Custom Paper: Width (M-scan 0.1 mm)	ID56	CTL	[0 to 65535 / 1 / 0.1]
5-722-057	Custom Paper: Width (M-scan 0.1 mm)	ID57	CTL	[0 to 65535 / 1 / 0.1]
5-722-058	Custom Paper: Width (M-scan 0.1 mm)	ID58	CTL	[0 to 65535 / 1 / 0.1]

5-722-059	Custom Paper: Width (M-scan 0.1 mm)	ID59	CTL	[0 to 65535 / 1 / 0.1]
5-722-060	Custom Paper: Width (M-scan 0.1 mm)	ID60	CTL	[0 to 65535 / 1 / 0.1]
5-722-061	Custom Paper: Width (M-scan 0.1 mm)	ID61	CTL	[0 to 65535 / 1 / 0.1]
5-722-062	Custom Paper: Width (M-scan 0.1 mm)	ID62	CTL	[0 to 65535 / 1 / 0.1]
5-722-063	Custom Paper: Width (M-scan 0.1 mm)	ID63	CTL	[0 to 65535 / 1 / 0.1]
5-722-064	Custom Paper: Width (M-scan 0.1 mm)	ID64	CTL	[0 to 65535 / 1 / 0.1]
5-722-065	Custom Paper: Width (M-scan 0.1 mm)	ID65	CTL	[0 to 65535 / 1 / 0.1]
5-722-066	Custom Paper: Width (M-scan 0.1 mm)	ID66	CTL	[0 to 65535 / 1 / 0.1]
5-722-067	Custom Paper: Width (M-scan 0.1 mm)	ID67	CTL	[0 to 65535 / 1 / 0.1]
5-722-068	Custom Paper: Width (M-scan 0.1 mm)	ID68	CTL	[0 to 65535 / 1 / 0.1]
5-722-069	Custom Paper: Width (M-scan 0.1 mm)	ID69	CTL	[0 to 65535 / 1 / 0.1]
5-722-070	Custom Paper: Width (M-scan 0.1 mm)	ID70	CTL	[0 to 65535 / 1 / 0.1]
5-722-071	Custom Paper: Width (M-scan 0.1 mm)	ID71	CTL	[0 to 65535 / 1 / 0.1]

5-722-072	Custom Paper: Width (M-scan 0.1 mm)	ID72	CTL	[0 to 65535 / 1 / 0.1]
5-722-073	Custom Paper: Width (M-scan 0.1 mm)	ID73	CTL	[0 to 65535 / 1 / 0.1]
5-722-074	Custom Paper: Width (M-scan 0.1 mm)	ID74	CTL	[0 to 65535 / 1 / 0.1]
5-722-075	Custom Paper: Width (M-scan 0.1 mm)	ID75	CTL	[0 to 65535 / 1 / 0.1]
5-722-076	Custom Paper: Width (M-scan 0.1 mm)	ID76	CTL	[0 to 65535 / 1 / 0.1]
5-722-077	Custom Paper: Width (M-scan 0.1 mm)	ID77	CTL	[0 to 65535 / 1 / 0.1]
5-722-078	Custom Paper: Width (M-scan 0.1 mm)	ID78	CTL	[0 to 65535 / 1 / 0.1]
5-722-079	Custom Paper: Width (M-scan 0.1 mm)	ID79	CTL	[0 to 65535 / 1 / 0.1]
5-722-080	Custom Paper: Width (M-scan 0.1 mm)	ID80	CTL	[0 to 65535 / 1 / 0.1]
5-722-081	Custom Paper: Width (M-scan 0.1 mm)	ID81	CTL	[0 to 65535 / 1 / 0.1]
5-722-082	Custom Paper: Width (M-scan 0.1 mm)	ID82	CTL	[0 to 65535 / 1 / 0.1]
5-722-083	Custom Paper: Width (M-scan 0.1 mm)	ID83	CTL	[0 to 65535 / 1 / 0.1]
5-722-084	Custom Paper: Width (M-scan 0.1 mm)	ID84	CTL	[0 to 65535 / 1 / 0.1]

5-722-085	Custom Paper: Width (M-scan 0.1 mm)	ID85	CTL	[0 to 65535 / 1 / 0.1]
5-722-086	Custom Paper: Width (M-scan 0.1 mm)	ID86	CTL	[0 to 65535 / 1 / 0.1]
5-722-087	Custom Paper: Width (M-scan 0.1 mm)	ID87	CTL	[0 to 65535 / 1 / 0.1]
5-722-088	Custom Paper: Width (M-scan 0.1 mm)	ID88	CTL	[0 to 65535 / 1 / 0.1]
5-722-089	Custom Paper: Width (M-scan 0.1 mm)	ID89	CTL	[0 to 65535 / 1 / 0.1]
5-722-090	Custom Paper: Width (M-scan 0.1 mm)	ID90	CTL	[0 to 65535 / 1 / 0.1]
5-722-091	Custom Paper: Width (M-scan 0.1 mm)	ID91	CTL	[0 to 65535 / 1 / 0.1]
5-722-092	Custom Paper: Width (M-scan 0.1 mm)	ID92	CTL	[0 to 65535 / 1 / 0.1]
5-722-093	Custom Paper: Width (M-scan 0.1 mm)	ID93	CTL	[0 to 65535 / 1 / 0.1]
5-722-094	Custom Paper: Width (M-scan 0.1 mm)	ID94	CTL	[0 to 65535 / 1 / 0.1]
5-722-095	Custom Paper: Width (M-scan 0.1 mm)	ID95	CTL	[0 to 65535 / 1 / 0.1]
5-722-096	Custom Paper: Width (M-scan 0.1 mm)	ID96	CTL	[0 to 65535 / 1 / 0.1]
5-722-097	Custom Paper: Width (M-scan 0.1 mm)	ID97	CTL	[0 to 65535 / 1 / 0.1]

5-722-098	Custom Paper: Width (M-scan 0.1 mm)	ID98	CTL	[0 to 65535 / 1 / 0.1]
5-722-099	Custom Paper: Width (M-scan 0.1 mm)	ID99	CTL	[0 to 65535 / 1 / 0.1]
5-722-100	Custom Paper: Width (M-scan 0.1 mm)	ID100	CTL	[0 to 65535 / 1 / 0.1]
5-723-001	Custom Paper: Length (S-scan 0.1 mm)	ID1	CTL	[0 to 65535 / 1 / 0.1]
5-723-002	Custom Paper: Length (S-scan 0.1 mm)	ID2	CTL	[0 to 65535 / 1 / 0.1]
5-723-003	Custom Paper: Length (S-scan 0.1 mm)	ID3	CTL	[0 to 65535 / 1 / 0.1]
5-723-004	Custom Paper: Length (S-scan 0.1 mm)	ID4	CTL	[0 to 65535 / 1 / 0.1]
5-723-005	Custom Paper: Length (S-scan 0.1 mm)	ID5	CTL	[0 to 65535 / 1 / 0.1]
5-723-006	Custom Paper: Length (S-scan 0.1 mm)	ID6	CTL	[0 to 65535 / 1 / 0.1]
5-723-007	Custom Paper: Length (S-scan 0.1 mm)	ID7	CTL	[0 to 65535 / 1 / 0.1]
5-723-008	Custom Paper: Length (S-scan 0.1 mm)	ID8	CTL	[0 to 65535 / 1 / 0.1]
5-723-009	Custom Paper: Length (S-scan 0.1 mm)	ID9	CTL	[0 to 65535 / 1 / 0.1]
5-723-010	Custom Paper: Length (S-scan 0.1 mm)	ID10	CTL	[0 to 65535 / 1 / 0.1]

5-723-011	Custom Paper: Length (S-scan 0.1 mm)	ID11	CTL	[0 to 65535 / 1 / 0.1]
5-723-012	Custom Paper: Length (S-scan 0.1 mm)	ID12	CTL	[0 to 65535 / 1 / 0.1]
5-723-013	Custom Paper: Length (S-scan 0.1 mm)	ID13	CTL	[0 to 65535 / 1 / 0.1]
5-723-014	Custom Paper: Length (S-scan 0.1 mm)	ID14	CTL	[0 to 65535 / 1 / 0.1]
5-723-015	Custom Paper: Length (S-scan 0.1 mm)	ID15	CTL	[0 to 65535 / 1 / 0.1]
5-723-016	Custom Paper: Length (S-scan 0.1 mm)	ID16	CTL	[0 to 65535 / 1 / 0.1]
5-723-017	Custom Paper: Length (S-scan 0.1 mm)	ID17	CTL	[0 to 65535 / 1 / 0.1]
5-723-018	Custom Paper: Length (S-scan 0.1 mm)	ID18	CTL	[0 to 65535 / 1 / 0.1]
5-723-019	Custom Paper: Length (S-scan 0.1 mm)	ID19	CTL	[0 to 65535 / 1 / 0.1]
5-723-020	Custom Paper: Length (S-scan 0.1 mm)	ID20	CTL	[0 to 65535 / 1 / 0.1]
5-723-021	Custom Paper: Length (S-scan 0.1 mm)	ID21	CTL	[0 to 65535 / 1 / 0.1]
5-723-022	Custom Paper: Length (S-scan 0.1 mm)	ID22	CTL	[0 to 65535 / 1 / 0.1]
5-723-023	Custom Paper: Length (S-scan 0.1 mm)	ID23	CTL	[0 to 65535 / 1 / 0.1]

5-723-024	Custom Paper: Length (S-scan 0.1 mm)	ID24	CTL	[0 to 65535 / 1 / 0.1]
5-723-025	Custom Paper: Length (S-scan 0.1 mm)	ID25	CTL	[0 to 65535 / 1 / 0.1]
5-723-026	Custom Paper: Length (S-scan 0.1 mm)	ID26	CTL	[0 to 65535 / 1 / 0.1]
5-723-027	Custom Paper: Length (S-scan 0.1 mm)	ID27	CTL	[0 to 65535 / 1 / 0.1]
5-723-028	Custom Paper: Length (S-scan 0.1 mm)	ID28	CTL	[0 to 65535 / 1 / 0.1]
5-723-029	Custom Paper: Length (S-scan 0.1 mm)	ID29	CTL	[0 to 65535 / 1 / 0.1]
5-723-030	Custom Paper: Length (S-scan 0.1 mm)	ID30	CTL	[0 to 65535 / 1 / 0.1]
5-723-031	Custom Paper: Length (S-scan 0.1 mm)	ID31	CTL	[0 to 65535 / 1 / 0.1]
5-723-032	Custom Paper: Length (S-scan 0.1 mm)	ID32	CTL	[0 to 65535 / 1 / 0.1]
5-723-033	Custom Paper: Length (S-scan 0.1 mm)	ID33	CTL	[0 to 65535 / 1 / 0.1]
5-723-034	Custom Paper: Length (S-scan 0.1 mm)	ID34	CTL	[0 to 65535 / 1 / 0.1]
5-723-035	Custom Paper: Length (S-scan 0.1 mm)	ID35	CTL	[0 to 65535 / 1 / 0.1]
5-723-036	Custom Paper: Length (S-scan 0.1 mm)	ID36	CTL	[0 to 65535 / 1 / 0.1]

5-723-037	Custom Paper: Length (S-scan 0.1 mm)	ID37	CTL	[0 to 65535 / 1 / 0.1]
5-723-038	Custom Paper: Length (S-scan 0.1 mm)	ID38	CTL	[0 to 65535 / 1 / 0.1]
5-723-039	Custom Paper: Length (S-scan 0.1 mm)	ID39	CTL	[0 to 65535 / 1 / 0.1]
5-723-040	Custom Paper: Length (S-scan 0.1 mm)	ID40	CTL	[0 to 65535 / 1 / 0.1]
5-723-041	Custom Paper: Length (S-scan 0.1 mm)	ID41	CTL	[0 to 65535 / 1 / 0.1]
5-723-042	Custom Paper: Length (S-scan 0.1 mm)	ID42	CTL	[0 to 65535 / 1 / 0.1]
5-723-043	Custom Paper: Length (S-scan 0.1 mm)	ID43	CTL	[0 to 65535 / 1 / 0.1]
5-723-044	Custom Paper: Length (S-scan 0.1 mm)	ID44	CTL	[0 to 65535 / 1 / 0.1]
5-723-045	Custom Paper: Length (S-scan 0.1 mm)	ID45	CTL	[0 to 65535 / 1 / 0.1]
5-723-046	Custom Paper: Length (S-scan 0.1 mm)	ID46	CTL	[0 to 65535 / 1 / 0.1]
5-723-047	Custom Paper: Length (S-scan 0.1 mm)	ID47	CTL	[0 to 65535 / 1 / 0.1]
5-723-048	Custom Paper: Length (S-scan 0.1 mm)	ID48	CTL	[0 to 65535 / 1 / 0.1]
5-723-049	Custom Paper: Length (S-scan 0.1 mm)	ID49	CTL	[0 to 65535 / 1 / 0.1]

5-723-050	Custom Paper: Length (S-scan 0.1 mm)	ID50	CTL	[0 to 65535 / 1 / 0.1]
5-723-051	Custom Paper: Length (S-scan 0.1 mm)	ID51	CTL	[0 to 65535 / 1 / 0.1]
5-723-052	Custom Paper: Length (S-scan 0.1 mm)	ID52	CTL	[0 to 65535 / 1 / 0.1]
5-723-053	Custom Paper: Length (S-scan 0.1 mm)	ID53	CTL	[0 to 65535 / 1 / 0.1]
5-723-054	Custom Paper: Length (S-scan 0.1 mm)	ID54	CTL	[0 to 65535 / 1 / 0.1]
5-723-055	Custom Paper: Length (S-scan 0.1 mm)	ID55	CTL	[0 to 65535 / 1 / 0.1]
5-723-056	Custom Paper: Length (S-scan 0.1 mm)	ID56	CTL	[0 to 65535 / 1 / 0.1]
5-723-057	Custom Paper: Length (S-scan 0.1 mm)	ID57	CTL	[0 to 65535 / 1 / 0.1]
5-723-058	Custom Paper: Length (S-scan 0.1 mm)	ID58	CTL	[0 to 65535 / 1 / 0.1]
5-723-059	Custom Paper: Length (S-scan 0.1 mm)	ID59	CTL	[0 to 65535 / 1 / 0.1]
5-723-060	Custom Paper: Length (S-scan 0.1 mm)	ID60	CTL	[0 to 65535 / 1 / 0.1]
5-723-061	Custom Paper: Length (S-scan 0.1 mm)	ID61	CTL	[0 to 65535 / 1 / 0.1]
5-723-062	Custom Paper: Length (S-scan 0.1 mm)	ID62	CTL	[0 to 65535 / 1 / 0.1]

5-723-063	Custom Paper: Length (S-scan 0.1 mm)	ID63	CTL	[0 to 65535 / 1 / 0.1]
5-723-064	Custom Paper: Length (S-scan 0.1 mm)	ID64	CTL	[0 to 65535 / 1 / 0.1]
5-723-065	Custom Paper: Length (S-scan 0.1 mm)	ID65	CTL	[0 to 65535 / 1 / 0.1]
5-723-066	Custom Paper: Length (S-scan 0.1 mm)	ID66	CTL	[0 to 65535 / 1 / 0.1]
5-723-067	Custom Paper: Length (S-scan 0.1 mm)	ID67	CTL	[0 to 65535 / 1 / 0.1]
5-723-068	Custom Paper: Length (S-scan 0.1 mm)	ID68	CTL	[0 to 65535 / 1 / 0.1]
5-723-069	Custom Paper: Length (S-scan 0.1 mm)	ID69	CTL	[0 to 65535 / 1 / 0.1]
5-723-070	Custom Paper: Length (S-scan 0.1 mm)	ID70	CTL	[0 to 65535 / 1 / 0.1]
5-723-071	Custom Paper: Length (S-scan 0.1 mm)	ID71	CTL	[0 to 65535 / 1 / 0.1]
5-723-072	Custom Paper: Length (S-scan 0.1 mm)	ID72	CTL	[0 to 65535 / 1 / 0.1]
5-723-073	Custom Paper: Length (S-scan 0.1 mm)	ID73	CTL	[0 to 65535 / 1 / 0.1]
5-723-074	Custom Paper: Length (S-scan 0.1 mm)	ID74	CTL	[0 to 65535 / 1 / 0.1]
5-723-075	Custom Paper: Length (S-scan 0.1 mm)	ID75	CTL	[0 to 65535 / 1 / 0.1]

5-723-076	Custom Paper: Length (S-scan 0.1 mm)	ID76	CTL	[0 to 65535 / 1 / 0.1]
5-723-077	Custom Paper: Length (S-scan 0.1 mm)	ID77	CTL	[0 to 65535 / 1 / 0.1]
5-723-078	Custom Paper: Length (S-scan 0.1 mm)	ID78	CTL	[0 to 65535 / 1 / 0.1]
5-723-079	Custom Paper: Length (S-scan 0.1 mm)	ID79	CTL	[0 to 65535 / 1 / 0.1]
5-723-080	Custom Paper: Length (S-scan 0.1 mm)	ID80	CTL	[0 to 65535 / 1 / 0.1]
5-723-081	Custom Paper: Length (S-scan 0.1 mm)	ID81	CTL	[0 to 65535 / 1 / 0.1]
5-723-082	Custom Paper: Length (S-scan 0.1 mm)	ID82	CTL	[0 to 65535 / 1 / 0.1]
5-723-083	Custom Paper: Length (S-scan 0.1 mm)	ID83	CTL	[0 to 65535 / 1 / 0.1]
5-723-084	Custom Paper: Length (S-scan 0.1 mm)	ID84	CTL	[0 to 65535 / 1 / 0.1]
5-723-085	Custom Paper: Length (S-scan 0.1 mm)	ID85	CTL	[0 to 65535 / 1 / 0.1]
5-723-086	Custom Paper: Length (S-scan 0.1 mm)	ID86	CTL	[0 to 65535 / 1 / 0.1]
5-723-087	Custom Paper: Length (S-scan 0.1 mm)	ID87	CTL	[0 to 65535 / 1 / 0.1]
5-723-088	Custom Paper: Length (S-scan 0.1 mm)	ID88	CTL	[0 to 65535 / 1 / 0.1]

5-723-089	Custom Paper: Length (S-scan 0.1 mm)	ID89	CTL	[0 to 65535 / 1 / 0.1]
5-723-090	Custom Paper: Length (S-scan 0.1 mm)	ID90	CTL	[0 to 65535 / 1 / 0.1]
5-723-091	Custom Paper: Length (S-scan 0.1 mm)	ID91	CTL	[0 to 65535 / 1 / 0.1]
5-723-092	Custom Paper: Length (S-scan 0.1 mm)	ID92	CTL	[0 to 65535 / 1 / 0.1]
5-723-093	Custom Paper: Length (S-scan 0.1 mm)	ID93	CTL	[0 to 65535 / 1 / 0.1]
5-723-094	Custom Paper: Length (S-scan 0.1 mm)	ID94	CTL	[0 to 65535 / 1 / 0.1]
5-723-095	Custom Paper: Length (S-scan 0.1 mm)	ID95	CTL	[0 to 65535 / 1 / 0.1]
5-723-096	Custom Paper: Length (S-scan 0.1 mm)	ID96	CTL	[0 to 65535 / 1 / 0.1]
5-723-097	Custom Paper: Length (S-scan 0.1 mm)	ID97	CTL	[0 to 65535 / 1 / 0.1]
5-723-098	Custom Paper: Length (S-scan 0.1 mm)	ID98	CTL	[0 to 65535 / 1 / 0.1]
5-723-099	Custom Paper: Length (S-scan 0.1 mm)	ID99	CTL	[0 to 65535 / 1 / 0.1]
5-723-100	Custom Paper: Length (S-scan 0.1 mm)	ID100	CTL	[0 to 65535 / 1 / 0.1]
5-724-001	Custom Paper: MQP Version	ID1	CTL	[0 to 99 / 1 / 1]

5-724-002	Custom Paper: MQP Version	ID2	CTL	[0 to 99 / 1 / 1]
5-724-003	Custom Paper: MQP Version	ID3	CTL	[0 to 99 / 1 / 1]
5-724-004	Custom Paper: MQP Version	ID4	CTL	[0 to 99 / 1 / 1]
5-724-005	Custom Paper: MQP Version	ID5	CTL	[0 to 99 / 1 / 1]
5-724-006	Custom Paper: MQP Version	ID6	CTL	[0 to 99 / 1 / 1]
5-724-007	Custom Paper: MQP Version	ID7	CTL	[0 to 99 / 1 / 1]
5-724-008	Custom Paper: MQP Version	ID8	CTL	[0 to 99 / 1 / 1]
5-724-009	Custom Paper: MQP Version	ID9	CTL	[0 to 99 / 1 / 1]
5-724-010	Custom Paper: MQP Version	ID10	CTL	[0 to 99 / 1 / 1]
5-724-011	Custom Paper: MQP Version	ID11	CTL	[0 to 99 / 1 / 1]
5-724-012	Custom Paper: MQP Version	ID12	CTL	[0 to 99 / 1 / 1]
5-724-013	Custom Paper: MQP Version	ID13	CTL	[0 to 99 / 1 / 1]
5-724-014	Custom Paper: MQP Version	ID14	CTL	[0 to 99 / 1 / 1]

5-724-015	Custom Paper: MQP Version	ID15	CTL	[0 to 99 / 1 / 1]
5-724-016	Custom Paper: MQP Version	ID16	CTL	[0 to 99 / 1 / 1]
5-724-017	Custom Paper: MQP Version	ID17	CTL	[0 to 99 / 1 / 1]
5-724-018	Custom Paper: MQP Version	ID18	CTL	[0 to 99 / 1 / 1]
5-724-019	Custom Paper: MQP Version	ID19	CTL	[0 to 99 / 1 / 1]
5-724-020	Custom Paper: MQP Version	ID20	CTL	[0 to 99 / 1 / 1]
5-724-021	Custom Paper: MQP Version	ID21	CTL	[0 to 99 / 1 / 1]
5-724-022	Custom Paper: MQP Version	ID22	CTL	[0 to 99 / 1 / 1]
5-724-023	Custom Paper: MQP Version	ID23	CTL	[0 to 99 / 1 / 1]
5-724-024	Custom Paper: MQP Version	ID24	CTL	[0 to 99 / 1 / 1]
5-724-025	Custom Paper: MQP Version	ID25	CTL	[0 to 99 / 1 / 1]
5-724-026	Custom Paper: MQP Version	ID26	CTL	[0 to 99 / 1 / 1]
5-724-027	Custom Paper: MQP Version	ID27	CTL	[0 to 99 / 1 / 1]

5-724-028	Custom Paper: MQP Version	ID28	CTL	[0 to 99 / 1 / 1]
5-724-029	Custom Paper: MQP Version	ID29	CTL	[0 to 99 / 1 / 1]
5-724-030	Custom Paper: MQP Version	ID30	CTL	[0 to 99 / 1 / 1]
5-724-031	Custom Paper: MQP Version	ID31	CTL	[0 to 99 / 1 / 1]
5-724-032	Custom Paper: MQP Version	ID32	CTL	[0 to 99 / 1 / 1]
5-724-033	Custom Paper: MQP Version	ID33	CTL	[0 to 99 / 1 / 1]
5-724-034	Custom Paper: MQP Version	ID34	CTL	[0 to 99 / 1 / 1]
5-724-035	Custom Paper: MQP Version	ID35	CTL	[0 to 99 / 1 / 1]
5-724-036	Custom Paper: MQP Version	ID36	CTL	[0 to 99 / 1 / 1]
5-724-037	Custom Paper: MQP Version	ID37	CTL	[0 to 99 / 1 / 1]
5-724-038	Custom Paper: MQP Version	ID38	CTL	[0 to 99 / 1 / 1]
5-724-039	Custom Paper: MQP Version	ID39	CTL	[0 to 99 / 1 / 1]
5-724-040	Custom Paper: MQP Version	ID40	CTL	[0 to 99 / 1 / 1]

5-724-041	Custom Paper: MQP Version	ID41	CTL	[0 to 99 / 1 / 1]
5-724-042	Custom Paper: MQP Version	ID42	CTL	[0 to 99 / 1 / 1]
5-724-043	Custom Paper: MQP Version	ID43	CTL	[0 to 99 / 1 / 1]
5-724-044	Custom Paper: MQP Version	ID44	CTL	[0 to 99 / 1 / 1]
5-724-045	Custom Paper: MQP Version	ID45	CTL	[0 to 99 / 1 / 1]
5-724-046	Custom Paper: MQP Version	ID46	CTL	[0 to 99 / 1 / 1]
5-724-047	Custom Paper: MQP Version	ID47	CTL	[0 to 99 / 1 / 1]
5-724-048	Custom Paper: MQP Version	ID48	CTL	[0 to 99 / 1 / 1]
5-724-049	Custom Paper: MQP Version	ID49	CTL	[0 to 99 / 1 / 1]
5-724-050	Custom Paper: MQP Version	ID50	CTL	[0 to 99 / 1 / 1]
5-724-051	Custom Paper: MQP Version	ID51	CTL	[0 to 99 / 1 / 1]
5-724-052	Custom Paper: MQP Version	ID52	CTL	[0 to 99 / 1 / 1]
5-724-053	Custom Paper: MQP Version	ID53	CTL	[0 to 99 / 1 / 1]

5-724-054	Custom Paper: MQP Version	ID54	CTL	[0 to 99 / 1 / 1]
5-724-055	Custom Paper: MQP Version	ID55	CTL	[0 to 99 / 1 / 1]
5-724-056	Custom Paper: MQP Version	ID56	CTL	[0 to 99 / 1 / 1]
5-724-057	Custom Paper: MQP Version	ID57	CTL	[0 to 99 / 1 / 1]
5-724-058	Custom Paper: MQP Version	ID58	CTL	[0 to 99 / 1 / 1]
5-724-059	Custom Paper: MQP Version	ID59	CTL	[0 to 99 / 1 / 1]
5-724-060	Custom Paper: MQP Version	ID60	CTL	[0 to 99 / 1 / 1]
5-724-061	Custom Paper: MQP Version	ID61	CTL	[0 to 99 / 1 / 1]
5-724-062	Custom Paper: MQP Version	ID62	CTL	[0 to 99 / 1 / 1]
5-724-063	Custom Paper: MQP Version	ID63	CTL	[0 to 99 / 1 / 1]
5-724-064	Custom Paper: MQP Version	ID64	CTL	[0 to 99 / 1 / 1]
5-724-065	Custom Paper: MQP Version	ID65	CTL	[0 to 99 / 1 / 1]
5-724-066	Custom Paper: MQP Version	ID66	CTL	[0 to 99 / 1 / 1]

5-724-067	Custom Paper: MQP Version	ID67	CTL	[0 to 99 / 1 / 1]
5-724-068	Custom Paper: MQP Version	ID68	CTL	[0 to 99 / 1 / 1]
5-724-069	Custom Paper: MQP Version	ID69	CTL	[0 to 99 / 1 / 1]
5-724-070	Custom Paper: MQP Version	ID70	CTL	[0 to 99 / 1 / 1]
5-724-071	Custom Paper: MQP Version	ID71	CTL	[0 to 99 / 1 / 1]
5-724-072	Custom Paper: MQP Version	ID72	CTL	[0 to 99 / 1 / 1]
5-724-073	Custom Paper: MQP Version	ID73	CTL	[0 to 99 / 1 / 1]
5-724-074	Custom Paper: MQP Version	ID74	CTL	[0 to 99 / 1 / 1]
5-724-075	Custom Paper: MQP Version	ID75	CTL	[0 to 99 / 1 / 1]
5-724-076	Custom Paper: MQP Version	ID76	CTL	[0 to 99 / 1 / 1]
5-724-077	Custom Paper: MQP Version	ID77	CTL	[0 to 99 / 1 / 1]
5-724-078	Custom Paper: MQP Version	ID78	CTL	[0 to 99 / 1 / 1]
5-724-079	Custom Paper: MQP Version	ID79	CTL	[0 to 99 / 1 / 1]

5-724-080	Custom Paper: MQP Version	ID80	CTL	[0 to 99 / 1 / 1]
5-724-081	Custom Paper: MQP Version	ID81	CTL	[0 to 99 / 1 / 1]
5-724-082	Custom Paper: MQP Version	ID82	CTL	[0 to 99 / 1 / 1]
5-724-083	Custom Paper: MQP Version	ID83	CTL	[0 to 99 / 1 / 1]
5-724-084	Custom Paper: MQP Version	ID84	CTL	[0 to 99 / 1 / 1]
5-724-085	Custom Paper: MQP Version	ID85	CTL	[0 to 99 / 1 / 1]
5-724-086	Custom Paper: MQP Version	ID86	CTL	[0 to 99 / 1 / 1]
5-724-087	Custom Paper: MQP Version	ID87	CTL	[0 to 99 / 1 / 1]
5-724-088	Custom Paper: MQP Version	ID88	CTL	[0 to 99 / 1 / 1]
5-724-089	Custom Paper: MQP Version	ID89	CTL	[0 to 99 / 1 / 1]
5-724-090	Custom Paper: MQP Version	ID90	CTL	[0 to 99 / 1 / 1]
5-724-091	Custom Paper: MQP Version	ID91	CTL	[0 to 99 / 1 / 1]
5-724-092	Custom Paper: MQP Version	ID92	CTL	[0 to 99 / 1 / 1]

5-724-093	Custom Paper: MQP Version	ID93	CTL	[0 to 99 / 1 / 1]
5-724-094	Custom Paper: MQP Version	ID94	CTL	[0 to 99 / 1 / 1]
5-724-095	Custom Paper: MQP Version	ID95	CTL	[0 to 99 / 1 / 1]
5-724-096	Custom Paper: MQP Version	ID96	CTL	[0 to 99 / 1 / 1]
5-724-097	Custom Paper: MQP Version	ID97	CTL	[0 to 99 / 1 / 1]
5-724-098	Custom Paper: MQP Version	ID98	CTL	[0 to 99 / 1 / 1]
5-724-099	Custom Paper: MQP Version	ID99	CTL	[0 to 99 / 1 / 1]
5-724-100	Custom Paper: MQP Version	ID100	CTL	[0 to 99 / 1 / 1]
5-725-001	Custom Paper: Data Type	ID1	CTL	[0 to 99 / 1 / 1]
5-725-002	Custom Paper: Data Type	ID2	CTL	[0 to 99 / 1 / 1]
5-725-003	Custom Paper: Data Type	ID3	CTL	[0 to 99 / 1 / 1]
5-725-004	Custom Paper: Data Type	ID4	CTL	[0 to 99 / 1 / 1]
5-725-005	Custom Paper: Data Type	ID5	CTL	[0 to 99 / 1 / 1]

5-725-006	Custom Paper: Data Type	ID6	CTL	[0 to 99 / 1 / 1]
5-725-007	Custom Paper: Data Type	ID7	CTL	[0 to 99 / 1 / 1]
5-725-008	Custom Paper: Data Type	ID8	CTL	[0 to 99 / 1 / 1]
5-725-009	Custom Paper: Data Type	ID9	CTL	[0 to 99 / 1 / 1]
5-725-010	Custom Paper: Data Type	ID10	CTL	[0 to 99 / 1 / 1]
5-725-011	Custom Paper: Data Type	ID11	CTL	[0 to 99 / 1 / 1]
5-725-012	Custom Paper: Data Type	ID12	CTL	[0 to 99 / 1 / 1]
5-725-013	Custom Paper: Data Type	ID13	CTL	[0 to 99 / 1 / 1]
5-725-014	Custom Paper: Data Type	ID14	CTL	[0 to 99 / 1 / 1]
5-725-015	Custom Paper: Data Type	ID15	CTL	[0 to 99 / 1 / 1]
5-725-016	Custom Paper: Data Type	ID16	CTL	[0 to 99 / 1 / 1]
5-725-017	Custom Paper: Data Type	ID17	CTL	[0 to 99 / 1 / 1]
5-725-018	Custom Paper: Data Type	ID18	CTL	[0 to 99 / 1 / 1]

5-725-019	Custom Paper: Data Type	ID19	CTL	[0 to 99 / 1 / 1]
5-725-020	Custom Paper: Data Type	ID20	CTL	[0 to 99 / 1 / 1]
5-725-021	Custom Paper: Data Type	ID21	CTL	[0 to 99 / 1 / 1]
5-725-022	Custom Paper: Data Type	ID22	CTL	[0 to 99 / 1 / 1]
5-725-023	Custom Paper: Data Type	ID23	CTL	[0 to 99 / 1 / 1]
5-725-024	Custom Paper: Data Type	ID24	CTL	[0 to 99 / 1 / 1]
5-725-025	Custom Paper: Data Type	ID25	CTL	[0 to 99 / 1 / 1]
5-725-026	Custom Paper: Data Type	ID26	CTL	[0 to 99 / 1 / 1]
5-725-027	Custom Paper: Data Type	ID27	CTL	[0 to 99 / 1 / 1]
5-725-028	Custom Paper: Data Type	ID28	CTL	[0 to 99 / 1 / 1]
5-725-029	Custom Paper: Data Type	ID29	CTL	[0 to 99 / 1 / 1]
5-725-030	Custom Paper: Data Type	ID30	CTL	[0 to 99 / 1 / 1]
5-725-031	Custom Paper: Data Type	ID31	CTL	[0 to 99 / 1 / 1]

5-725-032	Custom Paper: Data Type	ID32	CTL	[0 to 99 / 1 / 1]
5-725-033	Custom Paper: Data Type	ID33	CTL	[0 to 99 / 1 / 1]
5-725-034	Custom Paper: Data Type	ID34	CTL	[0 to 99 / 1 / 1]
5-725-035	Custom Paper: Data Type	ID35	CTL	[0 to 99 / 1 / 1]
5-725-036	Custom Paper: Data Type	ID36	CTL	[0 to 99 / 1 / 1]
5-725-037	Custom Paper: Data Type	ID37	CTL	[0 to 99 / 1 / 1]
5-725-038	Custom Paper: Data Type	ID38	CTL	[0 to 99 / 1 / 1]
5-725-039	Custom Paper: Data Type	ID39	CTL	[0 to 99 / 1 / 1]
5-725-040	Custom Paper: Data Type	ID40	CTL	[0 to 99 / 1 / 1]
5-725-041	Custom Paper: Data Type	ID41	CTL	[0 to 99 / 1 / 1]
5-725-042	Custom Paper: Data Type	ID42	CTL	[0 to 99 / 1 / 1]
5-725-043	Custom Paper: Data Type	ID43	CTL	[0 to 99 / 1 / 1]
5-725-044	Custom Paper: Data Type	ID44	CTL	[0 to 99 / 1 / 1]

5-725-045	Custom Paper: Data Type	ID45	CTL	[0 to 99 / 1 / 1]
5-725-046	Custom Paper: Data Type	ID46	CTL	[0 to 99 / 1 / 1]
5-725-047	Custom Paper: Data Type	ID47	CTL	[0 to 99 / 1 / 1]
5-725-048	Custom Paper: Data Type	ID48	CTL	[0 to 99 / 1 / 1]
5-725-049	Custom Paper: Data Type	ID49	CTL	[0 to 99 / 1 / 1]
5-725-050	Custom Paper: Data Type	ID50	CTL	[0 to 99 / 1 / 1]
5-725-051	Custom Paper: Data Type	ID51	CTL	[0 to 99 / 1 / 1]
5-725-052	Custom Paper: Data Type	ID52	CTL	[0 to 99 / 1 / 1]
5-725-053	Custom Paper: Data Type	ID53	CTL	[0 to 99 / 1 / 1]
5-725-054	Custom Paper: Data Type	ID54	CTL	[0 to 99 / 1 / 1]
5-725-055	Custom Paper: Data Type	ID55	CTL	[0 to 99 / 1 / 1]
5-725-056	Custom Paper: Data Type	ID56	CTL	[0 to 99 / 1 / 1]
5-725-057	Custom Paper: Data Type	ID57	CTL	[0 to 99 / 1 / 1]

5-725-058	Custom Paper: Data Type	ID58	CTL	[0 to 99 / 1 / 1]
5-725-059	Custom Paper: Data Type	ID59	CTL	[0 to 99 / 1 / 1]
5-725-060	Custom Paper: Data Type	ID60	CTL	[0 to 99 / 1 / 1]
5-725-061	Custom Paper: Data Type	ID61	CTL	[0 to 99 / 1 / 1]
5-725-062	Custom Paper: Data Type	ID62	CTL	[0 to 99 / 1 / 1]
5-725-063	Custom Paper: Data Type	ID63	CTL	[0 to 99 / 1 / 1]
5-725-064	Custom Paper: Data Type	ID64	CTL	[0 to 99 / 1 / 1]
5-725-065	Custom Paper: Data Type	ID65	CTL	[0 to 99 / 1 / 1]
5-725-066	Custom Paper: Data Type	ID66	CTL	[0 to 99 / 1 / 1]
5-725-067	Custom Paper: Data Type	ID67	CTL	[0 to 99 / 1 / 1]
5-725-068	Custom Paper: Data Type	ID68	CTL	[0 to 99 / 1 / 1]
5-725-069	Custom Paper: Data Type	ID69	CTL	[0 to 99 / 1 / 1]
5-725-070	Custom Paper: Data Type	ID70	CTL	[0 to 99 / 1 / 1]

5-725-071	Custom Paper: Data Type	ID71	CTL	[0 to 99 / 1 / 1]
5-725-072	Custom Paper: Data Type	ID72	CTL	[0 to 99 / 1 / 1]
5-725-073	Custom Paper: Data Type	ID73	CTL	[0 to 99 / 1 / 1]
5-725-074	Custom Paper: Data Type	ID74	CTL	[0 to 99 / 1 / 1]
5-725-075	Custom Paper: Data Type	ID75	CTL	[0 to 99 / 1 / 1]
5-725-076	Custom Paper: Data Type	ID76	CTL	[0 to 99 / 1 / 1]
5-725-077	Custom Paper: Data Type	ID77	CTL	[0 to 99 / 1 / 1]
5-725-078	Custom Paper: Data Type	ID78	CTL	[0 to 99 / 1 / 1]
5-725-079	Custom Paper: Data Type	ID79	CTL	[0 to 99 / 1 / 1]
5-725-080	Custom Paper: Data Type	ID80	CTL	[0 to 99 / 1 / 1]
5-725-081	Custom Paper: Data Type	ID81	CTL	[0 to 99 / 1 / 1]
5-725-082	Custom Paper: Data Type	ID82	CTL	[0 to 99 / 1 / 1]
5-725-083	Custom Paper: Data Type	ID83	CTL	[0 to 99 / 1 / 1]

5-725-084	Custom Paper: Data Type	ID84	CTL	[0 to 99 / 1 / 1]
5-725-085	Custom Paper: Data Type	ID85	CTL	[0 to 99 / 1 / 1]
5-725-086	Custom Paper: Data Type	ID86	CTL	[0 to 99 / 1 / 1]
5-725-087	Custom Paper: Data Type	ID87	CTL	[0 to 99 / 1 / 1]
5-725-088	Custom Paper: Data Type	ID88	CTL	[0 to 99 / 1 / 1]
5-725-089	Custom Paper: Data Type	ID89	CTL	[0 to 99 / 1 / 1]
5-725-090	Custom Paper: Data Type	ID90	CTL	[0 to 99 / 1 / 1]
5-725-091	Custom Paper: Data Type	ID91	CTL	[0 to 99 / 1 / 1]
5-725-092	Custom Paper: Data Type	ID92	CTL	[0 to 99 / 1 / 1]
5-725-093	Custom Paper: Data Type	ID93	CTL	[0 to 99 / 1 / 1]
5-725-094	Custom Paper: Data Type	ID94	CTL	[0 to 99 / 1 / 1]
5-725-095	Custom Paper: Data Type	ID95	CTL	[0 to 99 / 1 / 1]
5-725-096	Custom Paper: Data Type	ID96	CTL	[0 to 99 / 1 / 1]

5-725-097	Custom Paper: Data Type	ID97	CTL	[0 to 99 / 1 / 1]
5-725-098	Custom Paper: Data Type	ID98	CTL	[0 to 99 / 1 / 1]
5-725-099	Custom Paper: Data Type	ID99	CTL	[0 to 99 / 1 / 1]
5-725-100	Custom Paper: Data Type	ID100	CTL	[0 to 99 / 1 / 1]
5-730-001	Extended Function Setting	JavaTM Platform setting	CTL	[0 to 1 / 1 / 1]
5-730-010	Extended Function Setting	Expiration Prior Alarm Set	CTL	[0 to 999 / 20 / 1]
5-731-001	Counter Effect	Change Mk1 Cnt(Paper->Combine)	CTL	[0 to 1 / 0 / 1]
5-734-001	PDF Setting	PDF/A Fixed	CTL	[0 to 1 / 0 / 1]
5-745-211	DeemedPowerConsumption	Controller Standby	CTL	[0 to 9999 / 0 / 1]
5-745-212	DeemedPowerConsumption	STR	CTL	[0 to 9999 / 0 / 1]
5-745-213	DeemedPowerConsumption	Main Power Off	CTL	[0 to 9999 / 0 / 1]
5-745-214	DeemedPowerConsumption	Scanning and Printing	CTL	[0 to 9999 / 0 / 1]
5-745-215	DeemedPowerConsumption	Printing	CTL	[0 to 9999 / 0 / 1]

5-745-216	DeemedPowerConsumption	Scanning	CTL	[0 to 9999 / 0 / 1]
5-745-217	DeemedPowerConsumption	Engine Standby	CTL	[0 to 9999 / 0 / 1]
5-745-218	DeemedPowerConsumption	Low Power Consumption	CTL	[0 to 9999 / 0 / 1]
5-745-219	DeemedPowerConsumption	Silent condition	CTL	[0 to 9999 / 0 / 1]
5-745-220	DeemedPowerConsumption	Heater Off	CTL	[0 to 9999 / 0 / 1]
5-746-001	BMLinkS	available	CTL	[0 to 1 / 1 / 1]
5-746-002	BMLinkS	interval:mon	CTL	[10 to 3600 / 60 / 1]
5-746-004	BMLinkS	available:log	CTL	[0 to 1 / 1 / 1]
5-748-101	OpePanel Setting	Op Type Action Setting	CTL	[0 to 255 / 0 / 1]
5-749-001	Import/Export	Export	CTL	[0 to 0 / 0 / 0]
5-749-101	Import/Export	Import	CTL	[0 to 0 / 0 / 0]
5-751-001	Key Event Encryption Setting	Password	CTL	[0 to 255 / 0 / 1]
5-752-001	Copy:FlairAPI Setting	0x00 - 0xff	CTL	[0 to 255 / 0 / 1]

5-755-001	Display Setting	Disp Administrator Password Change Scrn	CTL	[0 to 0 / 0 / 0]
5-755-002	Display Setting	Hide Administrator Password Change Scrn	CTL	[0 to 0 / 0 / 0]
5-756-002	ECS Setting	Sync operation SW	CTL	[0 to 1 / 0 / 1]
5-801-001	Memory Clear	All Clear	CTL	[0 to 0 / 0 / 0]
5-801-003	Memory Clear	SCS	CTL	[0 to 0 / 0 / 0]
5-801-004	Memory Clear	IMH	CTL	[0 to 0 / 0 / 0]
5-801-005	Memory Clear	MCS	CTL	[0 to 0 / 0 / 0]
5-801-006	Memory Clear	Copier application	CTL	[0 to 0 / 0 / 0]
5-801-008	Memory Clear	Printer Application	CTL	[0 to 0 / 0 / 0]
5-801-009	Memory Clear	Scanner Application	CTL	[0 to 0 / 0 / 0]
5-801-010	Memory Clear	Web Service	CTL	[0 to 0 / 0 / 0]
5-801-011	Memory Clear	NCS	CTL	[0 to 0 / 0 / 0]
5-801-014	Memory Clear	Clear DCS Setting	CTL	[0 to 0 / 0 / 0]

5-801-015	Memory Clear	Clear UCS Setting	CTL	[0 to 0 / 0 / 0]
5-801-016	Memory Clear	MIRS Setting	CTL	[0 to 0 / 0 / 0]
5-801-017	Memory Clear	CCS	CTL	[0 to 0 / 0 / 0]
5-801-018	Memory Clear	SRM Memory Clr	CTL	[0 to 0 / 0 / 0]
5-801-019	Memory Clear	LCS	CTL	[0 to 0 / 0 / 0]
5-801-020	Cleae Memory	Web Uapli	CTL	[0 to 0 / 0 / 0]
5-801-021	Memory Clear	ECS	CTL	[0 to 0 / 0 / 0]
5-801-025	Cleae Memory	websys	CTL	[0 to 0 / 0 / 0]
5-801-026	Memory Clear	PLN	CTL	[0 to 0 / 0 / 0]
5-801-027	Memory Clear	SAS	CTL	[0 to 0 / 0 / 0]
5-812-001	Service Tel. No. Setting	Service	CTL	[0 to 0 / 0 / 0]
5-812-002	Service Tel. No. Setting	Facsimile	CTL	[0 to 0 / 0 / 0]
5-812-003	Service Tel. No. Setting	Supply	CTL	[0 to 0 / 0 / 0]

5-812-004	Service Tel. No. Setting	Operation	CTL	[0 to 0 / 0 / 0]
5-816-001	Remote Service	I/F Setting	CTL	[0 to 2 / 2 / 1]
5-816-002	Remote Service	CE Call	CTL	[0 to 1 / 0 / 1]
5-816-003	Remote Service	Function Flag	CTL	[0 to 1 / 0 / 1]
5-816-007	Remote Service	SSL Disable	CTL	[0 to 1 / 0 / 1]
5-816-008	Remote Service	RCG Connect Timeout	CTL	[1 to 90 / 30 / 1]
5-816-009	Remote Service	RCG Write Timeout	CTL	[0 to 100 / 60 / 1]
5-816-010	Remote Service	RCG Read Timeout	CTL	[0 to 100 / 60 / 1]
5-816-011	Remote Service	Port 80 Enable	CTL	[0 to 1 / 0 / 1]
5-816-013	Remote Service	RFU Timing	CTL	[0 to 1 / 1 / 1]
5-816-014	Remote Service	RCG Error Cause	CTL	[0 to 2 / 0 / 1]
5-816-021	Remote Service	RCG-C Registed	CTL	[0 to 1 / 0 / 1]
5-816-023	Remote Service	Connect Type(N/M)	CTL	[0 to 1 / 0 / 1]

5-816-061	Remote Service	Cert Expire Timing	CTL	[0 to 0xffffffff / 0 / 1]
5-816-062	Remote Service	Use Proxy	CTL	[0 to 1 / 0 / 1]
5-816-063	Remote Service	Proxy Host	CTL	[0 to 0 / 0 / 0]
5-816-064	Remote Service	Proxy PortNumber	CTL	[0 to 0xffff / 0 / 1]
5-816-065	Remote Service	Proxy User Name	CTL	[0 to 0 / 0 / 0]
5-816-066	Remote Service	Proxy Password	CTL	[0 to 0 / 0 / 0]
5-816-067	Remote Service	CERT:Up State	CTL	[0 to 255 / 0 / 1]
5-816-068	Remote Service	CERT:Error	CTL	[0 to 255 / 0 / 1]
5-816-069	Remote Service	CERT:Up ID	CTL	[0 to 0 / 0 / 0]
5-816-083	Remote Service	Firm Up Status	CTL	[0 to 1 / 0 / 1]
5-816-085	Remote Service	Firm Up User Check	CTL	[0 to 1 / 0 / 1]
5-816-086	Remote Service	Firmware Size	CTL	[0 to 0xffffffff / 0 / 1]
5-816-087	Remote Service	CERT:Macro Ver.	CTL	[0 to 0 / 0 / 0]

5-816-088	Remote Service	CERT:PAC Ver.	CTL	[0 to 0 / 0 / 0]
5-816-089	Remote Service	CERT:ID2Code	CTL	[0 to 0 / 0 / 0]
5-816-090	Remote Service	CERT:Subject	CTL	[0 to 0 / 0 / 0]
5-816-091	Remote Service	CERT:SerialNo.	CTL	[0 to 0 / 0 / 0]
5-816-092	Remote Service	CERT:Issuer	CTL	[0 to 0 / 0 / 0]
5-816-093	Remote Service	CERT:Valid Start	CTL	[0 to 0 / 0 / 0]
5-816-094	Remote Service	CERT:Valid End	CTL	[0 to 0 / 0 / 0]
5-816-102	Remote Service	CERT:Encrypt Level	CTL	[1 to 2 / 1 / 1]
5-816-103	Remote Service	Client Communication Method	CTL	[0 to 3 / 0 / 1]
5-816-104	Remote Service	Client Communication Limit	CTL	[1 to 7 / 7 / 1]
5-816-115	Remote Service	Network Information Waiting timer	CTL	[5 to 255 / 5 / 1]
5-816-150	Remote Service	Selection Country	CTL	[0 to 10 / 0 / 1]
5-816-151	Remote Service	Line Type Automatic Judgement	CTL	[0 to 1 / 0 / 1]

5-816-152	Remote Service	Line Type Judgement Result	CTL	[0 to 255 / 0 / 0]
5-816-153	Remote Service	Selection Dial / Push	CTL	[0 to 2 / 0 / 0]
5-816-154	Remote Service	Outside Line Outgoing Number	CTL	[0 to 0 / 0 / 0]
5-816-156	Remote Service	Dial Up User Name	CTL	[0 to 0 / 0 / 0]
5-816-157	Remote Service	Dial Up Password	CTL	[0 to 0 / 0 / 0]
5-816-161	Remote Service	Local Phone Number	CTL	[0 to 0 / 0 / 0]
5-816-162	Remote Service	Connection Timing Adjustment Incoming	CTL	[0 to 24 / 1 / 1]
5-816-163	Remote Service	Access Point	CTL	[0 to 0 / 0 / 0]
5-816-164	Remote Service	Line Connecting	CTL	[0 to 1 / 0 / 1]
5-816-173	Remote Service	Modem Serial No.	CTL	[0 to 0 / 0 / 0]
5-816-174	Remote Service	Retransmission Limit	CTL	[0 to 1 / 0 / 1]
5-816-187	Remote Service	FAX TX Priority	CTL	[0 to 1 / 0 / 1]
5-816-200	Remote Service	Manual Polling	CTL	[0 to 1 / 0 / 1]

5-816-201	Remote Service	Regist Status	CTL	[0 to 255 / 0 / 1]
5-816-202	Remote Service	Letter Number	CTL	[0 to 0 / 0 / 0]
5-816-203	Remote Service	Confirm Execute	CTL	[0 to 1 / 0 / 1]
5-816-204	Remote Service	Confirm Result	CTL	[0 to 255 / 0 / 1]
5-816-205	Remote Service	Confirm Place	CTL	[0 to 1 / 0 / 1]
5-816-206	Remote Service	Register Execute	CTL	[0 to 1 / 0 / 1]
5-816-207	Remote Service	Register Result	CTL	[0 to 255 / 0 / 1]
5-816-208	Remote Service	Error Code	CTL	[-2147483647 to 2147483647 / 0 / 0]
5-816-209	Remote Service	Instl Clear	CTL	[0 to 1 / 0 / 1]
5-816-240	Remote Service	CommErrorTime	CTL	[0 to 0xffffffff / 0 / 1]
5-816-241	Remote Service	CommErrorCode 1	CTL	[0 to 0xffffffff / 0x00000000 / 1]
5-816-242	Remote Service	CommErrorCode 2	CTL	[0 to 0xffffffff / 0x00000000 / 1]
5-816-243	Remote Service	CommErrorCode 3	CTL	[0 to 0xffffffff / 0x00000000 / 1]

5-816-244	Remote Service	CommErrorState 1	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-245	Remote Service	CommErrorState 2	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-246	Remote Service	CommErrorState 3	CTL	[0 to 0xffff / 0x0000 / 1]
5-816-247	Remote Service	SSL Error Count	CTL	[0 to 255 / 0 / 1]
5-816-248	Remote Service	Other Err Count	CTL	[0 to 255 / 0 / 1]
5-816-250	Remote Service	CommLog Print	CTL	[0 to 255 / 0 / 0]
5-821-002	Remote Service RCG Setting	RCG IPv4 Address	CTL	[0 to 0xffffffff / 0 / 1]
5-821-003	Remote Service RCG Setting	RCG Port	CTL	[0 to 65535 / 443 / 1]
5-821-004	Remote Service RCG Setting	RCG IPv4 URL Path	CTL	[0 to 0 / 0 / 0]
5-821-005	Remote Service RCG Setting	RCG IPv6 Address	CTL	[0 to 0 / 0 / 0]
5-821-006	Remote Service RCG Setting	RCG IPv6 URL Path	CTL	[0 to 0 / 0 / 0]
5-821-007	Remote Service RCG Setting	RCG Host Name	CTL	[0 to 0 / 0 / 0]
5-821-008	Remote Service RCG Setting	RCG Host URL Path	CTL	[0 to 0 / 0 / 0]

5-824-001	NV-RAM Data Upload		CTL	[0 to 0 / 0 / 0]
5-825-001	NV-RAM Data Download		CTL	[0 to 0 / 0 / 0]
5-828-050	Network Setting	1284 Compatiblity (Centro)	CTL	[0 to 1 / 1 / 1]
5-828-052	Network Setting	ECP (Centro)	CTL	[0 to 1 / 1 / 1]
5-828-065	Network Setting	Job Spooling	CTL	[0 to 1 / 0 / 1]
5-828-066	Network Setting	Job Spooling Clear: Start Time	CTL	[0 to 1 / 1 / 1]
5-828-069	Network Setting	Job Spooling (Protocol)	CTL	[0x00 to 0xff / 0x7f / 0]
5-828-087	Network Setting	Protocol usage	CTL	[0x00000000 to 0xffffffff / 0x00000000 / 1]
5-828-090	Network Setting	TELNET(0:OFF 1:ON)	CTL	[0 to 1 / 1 / 1]
5-828-091	Network Setting	Web(0:OFF 1:ON)	CTL	[0 to 1 / 1 / 1]
5-828-145	Network Setting	Active IPv6 Link Local Address	CTL	[0 to 0 / 0 / 0]
5-828-147	Network Setting	Active IPv6 Stateless Address 1	CTL	[0 to 0 / 0 / 0]
5-828-149	Network Setting	Active IPv6 Stateless Address 2	CTL	[0 to 0 / 0 / 0]

5-828-151	Network Setting	Active IPv6 Stateless Address 3	CTL	[0 to 0 / 0 / 0]
5-828-153	Network Setting	Active IPv6 Stateless Address 4	CTL	[0 to 0 / 0 / 0]
5-828-155	Network Setting	Active IPv6 Stateless Address 5	CTL	[0 to 0 / 0 / 0]
5-828-156	Network Setting	IPv6 Manual Address	CTL	[0 to 0 / 0 / 0]
5-828-158	Network Setting	IPv6 Gateway Address	CTL	[0 to 0 / 0 / 0]
5-828-161	Network Setting	IPv6 Stateless Auto Setting	CTL	[0 to 1 / 1 / 1]
5-828-236	Network Setting	Web Item visible	CTL	[0x0000 to 0xffff / 0xffff / 1]
5-828-237	Network Setting	Web shopping link visible	CTL	[0 to 1 / 1 / 1]
5-828-238	Network Setting	Web Supplies Link visible	CTL	[0 to 1 / 1 / 1]
5-828-239	Network Setting	Web Link1 Name	CTL	[0 to 0 / 0 / 0]
5-828-240	Network Setting	Web Link1 URL	CTL	[0 to 0 / NULL / 0]
5-828-241	Network Setting	Web Link1 visible	CTL	[0 to 1 / 1 / 1]
5-828-242	Network Setting	Web Link2 Name	CTL	[0 to 0 / 0 / 0]

5-828-243	Network Setting	Web Link2 URL	CTL	[0 to 0 / NULL / 0]
5-828-244	Network Setting	Web Link2 visible	CTL	[0 to 1 / 1 / 1]
5-828-249	Network Setting	DHCPv6 DUID	CTL	[0 to 0 / 0 / 0]
5-831-002	Initial Setting Mode Clear	Copier up application	CTL	[0 to 0 / 0 / 0]
5-832-001	HDD	HDD Formatting (ALL)	CTL	[0 to 0 / 0 / 0]
5-832-002	HDD	HDD Formatting (IMH)	CTL	[0 to 0 / 0 / 0]
5-832-003	HDD	HDD Formatting (Thumbnail)	CTL	[0 to 0 / 0 / 0]
5-832-004	HDD	HDD Formatting (Job Log)	CTL	[0 to 0 / 0 / 0]
5-832-005	HDD	HDD Formatting (Printer Fonts)	CTL	[0 to 0 / 0 / 0]
5-832-006	HDD	HDD Formatting (User Info)	CTL	[0 to 0 / 0 / 0]
5-832-007	HDD	Mail RX Data	CTL	[0 to 0 / 0 / 0]
5-832-008	HDD	Mail TX Data	CTL	[0 to 0 / 0 / 0]
5-832-009	HDD	HDD Formatting (Data for a Design)	CTL	[0 to 0 / 0 / 0]

5-832-010	HDD	HDD Formatting (Log)	CTL	[0 to 0 / 0 / 0]
5-832-011	HDD	HDD Formatting (Ridoc I/F)	CTL	[0 to 0 / 0 / 0]
5-832-012	HDD	HDD Formatting (Thumbnail)	CTL	[0 to 0 / 0 / 0]
5-836-001	Capture Setting	Capture Function (0:Off 1:On)	CTL	[0 to 1 / 0 / 1]
5-836-002	Capture Setting	Panel Setting	CTL	[0 to 1 / 0 / 1]
5-836-003	Capture Setting	Print Back Up Function (0:Off 1:On)	CTL	[0 to 1 / 0 / 1]
5-836-072	Capture Setting	Reduction for Copy B&W Text	CTL	[0 to 6 / 0 / 1]
5-836-073	Capture Setting	Reduction for Copy B&W Other	CTL	[0 to 6 / 0 / 1]
5-836-075	Capture Setting	Reduction for Printer B&W	CTL	[0 to 6 / 0 / 1]
5-836-078	Capture Setting	Reduction for Printer B&W 1200dpi	CTL	[1 to 5 / 1 / 1]
5-836-082	Capture Setting	Format for Copy B&W Text	CTL	[0 to 3 / 1 / 1]
5-836-083	Capture Setting	Format for Copy B&W Other	CTL	[0 to 3 / 1 / 1]
5-836-085	Capture Setting	Format for Printer B&W	CTL	[0 to 3 / 1 / 1]

5-836-091	Capture Setting	Default for JPEG	CTL	[5 to 95 / 50 / 1]
5-836-092	Capture Setting	High Quality for JPEG	CTL	[5 to 95 / 60 / 1]
5-836-093	Capture Setting	Low Quality for JPEG	CTL	[5 to 95 / 40 / 1]
5-836-094	Capture Setting	Default Format for Back Up Files	CTL	[0 to 4 / 0 / 1]
5-836-095	Capture Setting	Default Resolution for Back Up Files	CTL	[0 to 6 / 2 / 1]
5-836-096	Capture Setting	Default User Name for Back Up Files	CTL	[0 to 0 / 0 / 0]
5-836-097	Capture Setting	Default Compression for Back Up Files	CTL	[0 to 2 / 0 / 1]
5-836-101	Capture Setting	Primary srv IP address	CTL	[0 to 0xffffffff / 0x00 /]
5-836-102	Capture Setting	Primary srv scheme	CTL	[0 to 0 / 0 / 0]
5-836-103	Capture Setting	Primary srv port number	CTL	[1 to 65535 / 80 / 1]
5-836-104	Capture Setting	Primary srv URL path	CTL	[0 to 0 / 0 / 0]
5-836-111	Capture Setting	Secondary srv IP address	CTL	[0 to 0xffffffff / 0x00 /]
5-836-112	Capture Setting	Secondary srv scheme	CTL	[0 to 0 / 0 / 0]

5-836-113	Capture Setting	Secondary srv port number	CTL	[1 to 65535 / 80 / 1]
5-836-114	Capture Setting	Secondary srv URL path	CTL	[0 to 0 / 0 / 0]
5-836-120	Capture Setting	Default Reso Rate Switch	CTL	[0 to 1 / 0 / 1]
5-836-122	Capture Setting	Reso: Copy(Mono)	CTL	[0 to 255 / 3 / 1]
5-836-124	Capture Setting	Reso: Print(Mono)	CTL	[0 to 255 / 3 / 1]
5-836-127	Capture Setting	Reso: Scan(Color)	CTL	[0 to 255 / 4 / 1]
5-836-128	Capture Setting	Reso: Scan(Mono)	CTL	[0 to 255 / 3 / 1]
5-836-141	Capture Setting	All Addr Info Switch	CTL	[0 to 1 / 1 / 1]
5-836-142	Capture Setting	Stand-by Doc Max Number	CTL	[10 to 10000 / 2000 / 1]
5-840-006	IEEE 802.11	Channel MAX	CTL	[1 to 14 / 14 / 1]
5-840-007	IEEE 802.11	Channel MIN	CTL	[1 to 14 / 1 / 1]
5-840-011	IEEE 802.11	WEP Key Select	CTL	[0x00 to 0x11 / 0x00 / 0]
5-840-045	IEEE 802.11	WPA Debug Lvl	CTL	[1 to 3 / 3 / 1]

5-840-046	IEEE 802.11	11w	CTL	[0 to 2 / 0 / 1]
5-840-047	IEEE 802.11	PSK Set Type	CTL	[0 to 1 / 0 / 1]
5-841-001	Supply Name Setting	Toner Name Setting: Black	CTL	[0 to 0 / 0 / 0]
5-841-008	Supply Name Setting	Paste Name	CTL	[0 to 0 / 0 / 0]
5-841-009	Supply Name Setting	WasteTonerBottle	CTL	[0 to 0 / 0 / 0]
5-841-011	Supply Name Setting	StapleStd1	CTL	[0 to 0 / 0 / 0]
5-841-012	Supply Name Setting	StapleStd2	CTL	[0 to 0 / 0 / 0]
5-841-013	Supply Name Setting	StapleStd3	CTL	[0 to 0 / 0 / 0]
5-841-014	Supply Name Setting	StapleStd4	CTL	[0 to 0 / 0 / 0]
5-841-021	Supply Name Setting	StapleBind1	CTL	[0 to 0 / 0 / 0]
5-841-022	Supply Name Setting	StapleBind2	CTL	[0 to 0 / 0 / 0]
5-841-023	Supply Name Setting	StapleBind3	CTL	[0 to 0 / 0 / 0]
5-841-031	Supply Name Setting	Ring Name (50/black)	CTL	[0 to 0 / 0 / 0]

5-841-032	Supply Name Setting	Ring Name (50/white)	CTL	[0 to 0 / 0 / 0]
5-841-033	Supply Name Setting	Ring Name (100/black)	CTL	[0 to 0 / 0 / 0]
5-841-034	Supply Name Setting	Ring Name (100/white)	CTL	[0 to 0 / 0 / 0]
5-842-001	GWWS Analysis	Setting 1	CTL	[0x00 to 0xFF / 0 / 1]
5-842-002	GWWS Analysis	Setting 2	CTL	[0x00 to 0xFF / 0 / 1]
5-844-001	USB	Transfer Rate	CTL	[1 to 4 / 4 / 0]
5-844-002	USB	Vendor ID	CTL	[0x0000 to 0xffff / 0x05ca / 0]
5-844-003	USB	Product ID	CTL	[0x0000 to 0xffff / 0x0403 / 0]
5-844-004	USB	Device Release Number	CTL	[0 to 9999 / 100 / 1]
5-844-005	USB	Fixed USB Port	CTL	[0 to 2 / 0 / 1]
5-844-006	USB	PnP Model Name	CTL	[0 to 0 / 0 / 0]
5-844-007	USB	PnP Serial Number	CTL	[0 to 0 / 0 / 0]
5-844-008	USB	Mac Supply Level	CTL	[0 to 1 / 1 / 1]

5-844-100	USB	Notify Unsupport	CTL	[0 to 1 / 1 / 1]
5-845-001	Delivery Server Setting	FTP Port No.	CTL	[1 to 65535 / 3670 / 1]
5-845-002	Delivery Server Setting	IP Address (Primary)	CTL	[0 to 0xffffffff / 0x00 /]
5-845-006	Delivery Server Setting	Delivery Error Display Time	CTL	[0 to 999 / 300 / 1]
5-845-008	Delivery Server Setting	IP Address (Secondary)	CTL	[0 to 0xffffffff / 0x00 /]
5-845-009	Delivery Server Setting	Delivery Server Model	CTL	[0 to 4 / 0 / 1]
5-845-010	Delivery Server Setting	Delivery Svr. Capability	CTL	[0 to 255 / 0 / 1]
5-845-011	Delivery Server Setting	Delivery Svr. Capability (Ext)	CTL	[0 to 255 / 0 / 1]
5-845-013	Delivery Server Setting	Server Scheme(Primary)	CTL	[0 to 0 / 0 / 0]
5-845-014	Delivery Server Setting	Server Port Number(Primary)	CTL	[1 to 65535 / 80 / 1]
5-845-015	Delivery Server Setting	Server URL Path(Primary)	CTL	[0 to 0 / 0 / 0]
5-845-016	Delivery Server Setting	Server Scheme(Secondary)	CTL	[0 to 0 / 0 / 0]
5-845-017	Delivery Server Setting	Server Port Number(Secondary)	CTL	[1 to 65535 / 80 / 1]

5-845-018	Delivery Server Setting	Server URL Path(Secondary)	CTL	[0 to 0 / 0 / 0]
5-845-022	Delivery Server Setting	Rapid Sending Control	CTL	[0 to 1 / 1 / 1]
5-846-001	UCS Setting	Machine ID (for Delivery Server)	CTL	[0 to 0 / 0 / 0]
5-846-002	UCS Setting	Machine ID Clear (for Delivery Server)	CTL	[0 to 0 / 0 / 0]
5-846-003	UCS Setting	Maximum Entries	CTL	[2000 to 20000 / 2000 / 1]
5-846-006	UCS Setting	Delivery Server Retry Timer	CTL	[0 to 255 / 0 / 1]
5-846-007	UCS Setting	Delivery Server Retry Times	CTL	[0 to 255 / 0 / 1]
5-846-008	UCS Setting	Delivery Server Maximum Entries	CTL	[2000 to 20000 / 2000 / 1]
5-846-010	UCS Setting	LDAP Search Timeout	CTL	[1 to 255 / 60 / 1]
5-846-020	UCS Setting	WSD Maximum Entries	CTL	[50 to 250 / 250 / 1]
5-846-021	UCS Setting	Folder Auth Change	CTL	[0 to 1 / 0 / 1]
5-846-040	UCS Setting	Addr Book Migration(USB->HDD)	CTL	[0 to 0 / 0 / 0]
5-846-041	UCS Setting	Fill Addr Acl Info	CTL	[0 to 0 / 0 / 0]

5-846-043	UCS Setting	Addr Book Media	CTL	[0 to 30 / 0 / 1]
5-846-047	UCS Setting	Initialize Local Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-048	UCS Setting	Initialize Delivery Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-049	UCS Setting	Initialize LDAP Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-050	UCS Setting	Initialize All Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-051	UCS Setting	Backup All Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-052	UCS Setting	Restore All Addr Book	CTL	[0 to 0 / 0 / 0]
5-846-053	UCS Setting	Clear Backup Info	CTL	[0 to 0 / 0 / 0]
5-846-060	UCS Setting	Search option	CTL	[0x00 to 0xff / 0x0f / 1]
5-846-062	UCS Setting	Complexity option 1	CTL	[0 to 32 / 0 / 1]
5-846-063	UCS Setting	Complexity option 2	CTL	[0 to 32 / 0 / 1]
5-846-064	UCS Setting	Complexity option 3	CTL	[0 to 32 / 0 / 1]
5-846-065	UCS Setting	Complexity option 4	CTL	[0 to 32 / 0 / 1]

5-846-091	UCS Setting	FTP Auth Port Setting	CTL	[0 to 65535 / 3671 / 1]
5-846-094	UCS Setting	Encryption Stat	CTL	[0 to 255 / 0 / 0]
5-847-002	Rep Resolution Reduction	Rate for Copy B&W Text	CTL	[0 to 6 / 0 / 1]
5-847-003	Rep Resolution Reduction	Rate for Copy B&W Other	CTL	[0 to 6 / 0 / 1]
5-847-005	Rep Resolution Reduction	Rate for Printer B&W	CTL	[0 to 6 / 0 / 1]
5-847-007	Rep Resolution Reduction	Rate for Printer B&W 1200dpi	CTL	[0 to 6 / 1 / 1]
5-847-021	Rep Resolution Reduction	Network Quality Default for JPEG	CTL	[5 to 95 / 50 / 1]
5-848-002	Web Service	Access Ctrl: Repository(onlyLower4bits)	CTL	[0x00 to 0xFF / 0x02 / 0]
5-848-003	Web Service	Access Ctrl: Doc.Svr.Print (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-004	Web Service	Access Ctrl: udirectory (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-009	Web Service	Access Ctrl: Job Ctrl (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-011	Web Service	Access Ctrl: Devicemanagement(Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-021	Web Service	Access Ctrl: Delivery (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]

5-848-022	Web Service	Access Ctrl: uadministration (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-024	Web Service	Access Ctrl: Log Service (Lower 4bits)	CTL	[0x00 to 0xFF / 0x00 / 0]
5-848-099	Web Service	Repository: Download Image Setting	CTL	[0x00 to 0xFF / 0x00 / 1]
5-848-100	Web Service	Repository: Download Image Max. Size	CTL	[1 to 2048 / 2048 / 1]
5-848-217	LogTrans	Setting: Timing	CTL	[0 to 2 / 0 / 1]
5-849-001	Installation Date	Display	CTL	[0 to 0 / 0 / 0]
5-849-002	Installation Date	Switch to Print	CTL	[0 to 1 / 0 / 1]
5-849-003	Installation Date	Total Counter	CTL	[0 to 99999999 / 0 / 1]
5-851-001	Bluetooth	Mode	CTL	[0x00 to 0x01 / 0x00 / 1]
5-853-001	Stamp Data Download		CTL	[0 to 0 / 0 / 0]
5-856-002	Remote ROM Update	Local Port	CTL	[0 to 1 / 0 / 1]
5-857-001	Save Debug Log	On/Off	CTL	[0 to 1 / 0 / 1]
5-857-002	Save Debug Log	Target(2:HDD 3:SD)	CTL	[2 to 3 / 2 / 1]

5-857-005	Save Debug Log	Save to HDD	CTL	[0 to 9999999 / 0 / 1]
5-857-006	Save Debug Log	Save to SD Card	CTL	[0 to 9999999 / 0 / 1]
5-857-012	Save Debug Log	Erase SD Card Debug Data	CTL	[0 to 1 / 0 / 0]
5-857-013	Save Debug Log	Free Space on SD Card	CTL	[0 to 9999 / 0 / 1]
5-857-014	Save Debug Log	Copy SD to SD (Latest 4MB)	CTL	[0 to 1 / 0 / 0]
5-857-015	Save Debug Log	Copy SD to SD (Latest 4MB Any Key)	CTL	[0 to 9999999 / 0 / 1]
5-857-016	Save Debug Log	Make HDD Debug	CTL	[0 to 1 / 0 / 0]
5-857-017	Save Debug Log	Make SD Debug	CTL	[0 to 1 / 0 / 0]
5-857-101	Save Debug Log	Debug Logging Start Date	CTL	[19700101 to 20371212 / 20120101 / 1]
5-857-102	Save Debug Log	Debug Logging End Date	CTL	[19700101 to 20371212 / 20371212 / 1]
5-857-103	Save Debug Log	Acquire All Debug Logs	CTL	[0 to 1 / 0 / 0]
5-857-104	Save Debug Log	Acquire Only Controller Debug Logs	CTL	[0 to 1 / 0 / 0]
5-857-105	Save Debug Log	Acquire Only Engine Debug Logs	CTL	[0 to 1 / 0 / 0]

5-857-106	Save Debug Log	Acquire Only Snapshot Debug Logs	CTL	[0 to 1 / 0 / 0]
5-857-107	Save Debug Log	Acquire Only Opepanel Debug Logs	CTL	[0 to 1 / 0 / 0]
5-857-151	Save Debug Log	Get All Debug Logs Time Disp	CTL	[-9999 to 9999 / 0 / 1]
5-857-152	Save Debug Log	Get Controller Debug Logs Time Disp	CTL	[-9999 to 9999 / 0 / 1]
5-857-153	Save Debug Log	Get Engine Debug Logs Time Disp	CTL	[-9999 to 9999 / 0 / 1]
5-857-154	Save Debug Log	Get Opepanel Debug Logs Time Disp	CTL	[-9999 to 9999 / 0 / 1]
5-857-155	Save Debug Log	Get SMC Time Disp	CTL	[-9999 to 9999 / 0 / 1]
5-858-001	Debug Save When	Engine SC Error(0:OFF 1:ON)	CTL	[0 to 1 / 0 / 1]
5-858-002	Debug Save When	Controller SC Error(0:OFF 1:ON)	CTL	[0 to 1 / 0 / 1]
5-858-003	Debug Save When	Any SC Error	CTL	[0 to 65535 / 0 / 1]
5-858-004	Debug Save When	Jam(0:OFF 1:ON)	CTL	[0 to 1 / 0 / 1]
5-859-001	Debug Save Key No.	Key 1	CTL	[0 to 9999999 / 0 / 1]
5-859-002	Debug Save Key No.	Key 2	CTL	[0 to 9999999 / 0 / 1]

5-859-003	Debug Save Key No.	Key 3	CTL	[0 to 9999999 / 0 / 1]
5-859-004	Debug Save Key No.	Key 4	CTL	[0 to 9999999 / 0 / 1]
5-859-005	Debug Save Key No.	Key 5	CTL	[0 to 9999999 / 0 / 1]
5-859-006	Debug Save Key No.	Key 6	CTL	[0 to 9999999 / 0 / 1]
5-859-007	Debug Save Key No.	Key 7	CTL	[0 to 9999999 / 0 / 1]
5-859-008	Debug Save Key No.	Key 8	CTL	[0 to 9999999 / 0 / 1]
5-859-009	Debug Save Key No.	Key 9	CTL	[0 to 9999999 / 0 / 1]
5-859-010	Debug Save Key No.	Key 10	CTL	[0 to 9999999 / 0 / 1]
5-860-020	SMTP/POP3/IMAP4	Partial Mail Receive Timeout	CTL	[1 to 168 / 72 / 1]
5-860-021	SMTP/POP3/IMAP4	MDN Response RFC2298 Compliance	CTL	[0 to 1 / 1 / 1]
5-860-022	SMTP/POP3/IMAP4	SMTP Auth. From Field Replacement	CTL	[0 to 1 / 0 / 1]
5-860-025	SMTP/POP3/IMAP4	SMTP Auth. Direct Setting	CTL	[0 to 0xff / 0x0 / 1]
5-860-026	SMTP/POP3/IMAP4	S/MIME:MIME Header Setting	CTL	[0 to 2 / 0 / 1]

5-860-028	SMTP/POP3/IMAP4	S/MIME: Authentication Check	CTL	[0 to 1 / 0 / 1]
5-866-001	E-Mail Report	Report Validity	CTL	[0 to 1 / 0 / 1]
5-866-005	E-Mail Report	Add Date Field	CTL	[0 to 1 / 0 / 1]
5-870-001	Common KeyInfo Writing	Writing	CTL	[0 to 1 / 0 / 1]
5-870-003	Common KeyInfo Writing	Initialize	CTL	[0 to 1 / 0 / 1]
5-870-004	Common Key Info Writing	Writing: 2048bit	CTL	[0 to 1 / 0 / 1]
5-873-001	SDCardAppliMove	MoveExec	CTL	[0 to 0 / 0 / 1]
5-873-002	SDCardAppliMove	UndoExec	CTL	[0 to 0 / 0 / 1]
5-875-001	SC Auto Reboot	Reboot Setting	CTL	[0 to 1 / 0 / 1]
5-875-002	SC Auto Reboot	Reboot Type	CTL	[0 to 1 / 1 / 1]
5-878-001	Option Setup	Data Overwrite Security	CTL	[0 to 0 / 0 / 0]
5-878-002	Option Setup	HDD Encryption	CTL	[0 to 0 / 0 / 0]
5-878-004	Option Setup	OCR Dictionary	CTL	[0 to 0 / 0 / 0]

5-881-001	Fixed Phrase Block Erasing		CTL	[0 to 0 / 0 / 0]
5-885-020	Set WIM Function	DocSvr Acc Ctrl	CTL	[0x00 to 0xFF / 0x00 / 0]
5-885-050	Set WIM Function	DocSvr Format	CTL	[0 to 2 / 0 / 1]
5-885-051	Set WIM Function	DocSvr Trans	CTL	[5 to 20 / 10 / 1]
5-885-100	Set WIM Function	Set Signature	CTL	[0 to 2 / 0 / 1]
5-885-101	Set WIM Function	Set Encrypsion	CTL	[0 to 1 / 0 / 1]
5-885-200	Set WIM Function	Detect Mem Leak	CTL	[0x00 to 0xFF / 0x00 / 0]
5-886-100	Farm Update Setting	Skip Version Check	CTL	[0 to 1 / 0 / 1]
5-886-101	Farm Update Setting	Skip LR Check	CTL	[0 to 1 / 0 / 1]
5-887-001	SD GetCounter		CTL	[0 to 0 / 0 / 0]
5-888-001	Personal Information Protect		CTL	[0 to 1 / 0 / 1]
5-893-001	SDK Application Counter	SDK-1	CTL	[0 to 0 / 0 / 0]
5-893-002	SDK Application Counter	SDK-2	CTL	[0 to 0 / 0 / 0]

5-893-003	SDK Application Counter	SDK-3	CTL	[0 to 0 / 0 / 0]
5-893-004	SDK Application Counter	SDK-4	CTL	[0 to 0 / 0 / 0]
5-893-005	SDK Application Counter	SDK-5	CTL	[0 to 0 / 0 / 0]
5-893-006	SDK Application Counter	SDK-6	CTL	[0 to 0 / 0 / 0]
5-895-001	Application invalidation	Printer	CTL	[0 to 1 / 0 / 0]
5-895-002	Application invalidation	Scanner	CTL	[0 to 1 / 0 / 0]
5-898-001	HDD Pages	LS/TEMP Pages Mgmt	CTL	[0 to 2 / 0 / 0]
5-907-001	Plug & Play Maker/Model Name		CTL	[0 to 255 / 0 / 1]
5-913-002	Switchover Permission Time	Print Application Timer	CTL	[0 to 30 / 3 / 1]
5-967-001	Copy Server : Set Function	(0:ON 1:OFF)	CTL	[0 to 1 / 0 / 1]
5-973-101	User Stamp Registration	Frame deletion setting	CTL	[0 to 3 / 0 / 1]
5-985-001	Device Setting	On Board NIC	CTL	[0 to 2 / 0 / 1]
5-985-002	Device Setting	On Board USB	CTL	[0 to 1 / 0 / 1]

5-990-001	SP Print Mode	All (Data List)	CTL	[0 to 255 / 0 / 0]
5-990-002	SP Print Mode	SP (Mode Data List)	CTL	[0 to 255 / 0 / 0]
5-990-003	SP Print Mode	User Program	CTL	[0 to 255 / 0 / 0]
5-990-004	SP Print Mode	Logging Data	CTL	[0 to 255 / 0 / 0]
5-990-005	SP Print Mode	Diagnostic Report	CTL	[0 to 255 / 0 / 0]
5-990-006	SP Print Mode	Non-Default	CTL	[0 to 255 / 0 / 0]
5-990-007	SP Print Mode	NIB Summary	CTL	[0 to 0 / 0 / 0]
5-990-008	SP Print Mode	Capture Log	CTL	[0 to 255 / 0 / 1]
5-990-021	SP Print Mode	Copier User Program	CTL	[0 to 0 / 0 / 0]
5-990-022	SP Print Mode	Scanner SP	CTL	[0 to 255 / 0 / 0]
5-990-023	SP Print Mode	Scanner User Program	CTL	[0 to 255 / 0 / 0]
5-990-024	SP Print Mode	SDK/J Summary	CTL	[0 to 0 / 0 / 0]
5-990-025	SP Print Mode	SDK/J Application Info	CTL	[0 to 0 / 0 / 0]

5-990-026	SP Print Mode	Printer SP	CTL	[0 to 255 / 0 / 0]
5-992-001	SP Text Mode	All (Data List)	CTL	[0 to 255 / 0 / 0]
5-992-002	SP Text Mode	SP (Mode Data List)	CTL	[0 to 255 / 0 / 0]
5-992-003	SP Text Mode	User Program	CTL	[0 to 255 / 0 / 0]
5-992-004	SP Text Mode	Logging Data	CTL	[0 to 255 / 0 / 0]
5-992-005	SP Text Mode	Diagnostic Report	CTL	[0 to 255 / 0 / 0]
5-992-006	SP Text Mode	Non-Default	CTL	[0 to 255 / 0 / 0]
5-992-007	SP Text Mode	NIB Summary	CTL	[0 to 0 / 0 / 0]
5-992-008	SP Text Mode	Capture Log	CTL	[0 to 255 / 0 / 1]
5-992-021	SP Text Mode	Copier User Program	CTL	[0 to 0 / 0 / 0]
5-992-022	SP Text Mode	Scanner SP	CTL	[0 to 255 / 0 / 0]
5-992-023	SP Text Mode	Scanner User Program	CTL	[0 to 255 / 0 / 0]
5-992-024	SP Text Mode	SDK/J Summary	CTL	[0 to 0 / 0 / 0]

5-992-025	SP Text Mode	SDK/J Application Info	CTL	[0 to 0 / 0 / 0]
5-992-026	SP Text Mode	Printer SP	CTL	[0 to 255 / 0 / 0]

SP Group 6000-01 (Engine)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-006-001	ADF Adjustment	Side-to-Side Regist: Front	ENG	[-30 to 30 / 0 / 0.1mm]
6-006-002	ADF Adjustment	Side-to-Side Regist: Rear	ENG	[-30 to 30 / 0 / 0.1mm]
6-006-010	ADF Adjustment	L-Edge Regist (1-Pass): Front	ENG	[-50 to 50 / 0 / 0.1mm]
6-006-011	ADF Adjustment	L-Edge Regist (1-Pass): Rear	ENG	[-50 to 50 / 0 / 0.1mm]
6-006-012	ADF Adjustment	1st Buckle (1-Pass)	ENG	[-30 to 30 / 0 / 0.1mm]
6-006-013	ADF Adjustment	2nd Buckle (1-Pass)	ENG	[-20 to 30 / 0 / 0.1mm]
6-006-014	ADF Adjustment	T-Edge Erase (1-Pass): Front	ENG	[-50 to 50 / -30 / 0.1mm]
6-006-015	ADF Adjustment	T-Edge Erase (1-Pass): Rear	ENG	[-50 to 50 / -25 / 0.1mm]
6-009-001	ADF FreeRun	Free Run Simplex Motion	ENG	[0 to 1 / 0 / 1]
6-009-002	ADF FreeRun	Free Run Duplex Motion	ENG	[0 to 1 / 0 / 1]
6-011-001	1-Pass ADF INPUT Check	Original Length 1 (B5 Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-002	1-Pass ADF INPUT Check	Original Length 2 (A4 Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-003	1-Pass ADF INPUT Check	Original Length 3 (LG Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-004	1-Pass ADF INPUT Check	Original Width 1	ENG	[0 to 1 / 0 / 1]
6-011-005	1-Pass ADF INPUT Check	Original Width 2	ENG	[0 to 1 / 0 / 1]
6-011-006	1-Pass ADF INPUT Check	Original Width 3	ENG	[0 to 1 / 0 / 1]
6-011-007	1-Pass ADF INPUT Check	Original Width 4	ENG	[0 to 1 / 0 / 1]
6-011-	1-Pass ADF INPUT	Original Width 5	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	Check			
6-011-009	1-Pass ADF INPUT Check	Original Detection	ENG	[0 to 1 / 0 / 1]
6-011-010	1-Pass ADF INPUT Check	Separation Sensor	ENG	[0 to 1 / 0 / 1]
6-011-011	1-Pass ADF INPUT Check	Skew Correction	ENG	[0 to 1 / 0 / 1]
6-011-012	1-Pass ADF INPUT Check	Scan Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-011-013	1-Pass ADF INPUT Check	Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-011-014	1-Pass ADF INPUT Check	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-011-015	1-Pass ADF INPUT Check	Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-011-016	1-Pass ADF INPUT Check	Lift Up Sensor	ENG	[0 to 1 / 0 / 1]
6-011-018	1-Pass ADF INPUT Check	Pick-Up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-011-021	1-Pass ADF INPUT Check	Bottom Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-011-022	1-Pass ADF INPUT Check	Bottom Plate Position Sensor	ENG	[0 to 1 / 0 / 1]
6-011-023	1-Pass ADF INPUT Check	Original Length 4 (LT/A4 Tail Sensor)	ENG	[0 to 1 / 0 / 1]
6-011-024	1-Pass ADF INPUT Check	Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-012-001	1-Pass ADF OUTPUT Check	Pick-Up Motor Forward	ENG	[0 to 1 / 0 / 1]
6-012-003	1-Pass ADF OUTPUT Check	Feed Motor Forward	ENG	[0 to 1 / 0 / 1]
6-012-005	1-Pass ADF OUTPUT Check	Relay Motor Forward	ENG	[0 to 1 / 0 / 1]
6-012-009	1-Pass ADF OUTPUT Check	Exit Motor Forward	ENG	[0 to 1 / 0 / 1]
6-012-	1-Pass ADF OUTPUT	Bottom Plate Motor For/Rev	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010	Check			
6-012-015	1-Pass ADF OUTPUT Check	Pull-Out Motor Forward	ENG	[0 to 1 / 0 / 1]
6-012-016	1-Pass ADF OUTPUT Check	Middle Motor Forward	ENG	[0 to 1 / 0 / 1]
6-016-001	Original Size Detect Setting		ENG	[0 to 255 / 0 / 1]
6-017-001	DF Magnification Adj.		ENG	[-50 to 50 / 0 / 0.1%]
6-020-001	Skew Correction Moving Setting		ENG	[0 to 1 / 0 / 1]
6-040-001	Double Feed Detect Setup	Detect enable	ENG	[0 to 1 / 0 / 1]
6-040-002	Double Feed Detect Setup	Detect repeat	ENG	[1 to 8 / 8 / 1Times]
6-040-003	Double Feed Detect Setup	Detect decide	ENG	[0 to 99 / 10 / 1Times]
6-040-004	Double Feed Detect Setup	Detect distance	ENG	[10 to 50 / 21 / 1mm]
6-040-005	Double Feed Detect Setup	Burst number	ENG	[1 to 20 / 5 / 1Times]
6-040-006	Double Feed Detect Setup	Detect number	ENG	[1 to 8 / 2 / 1Times]
6-040-007	Double Feed Detect Setup	Detect time	ENG	[1 to 20 / 10 / 1ms]
6-040-008	Double Feed Detect Setup	Detect Test	ENG	[0 to 1 / 0 / 1]
6-040-009	Double Feed Detect Setup	Detect Adjust Result	ENG	[0 to 255 / 0 / 1]
6-200-001	Adj Booklet Staple Position	13"x19.2"	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-002	Adj Booklet Staple Position	13"x19"	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-003	Adj Booklet Staple Position	12.6"x19.2"	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-	Adj Booklet Staple	12.6"x18.5"	ENG	[-20 to 20 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Position			
6-200-005	Adj Booklet Staple Position	13"x18"	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-006	Adj Booklet Staple Position	SR A3	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-007	Adj Booklet Staple Position	12"x18"	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-008	Adj Booklet Staple Position	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-009	Adj Booklet Staple Position	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-010	Adj Booklet Staple Position	SR A4	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-011	Adj Booklet Staple Position	226x310	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-012	Adj Booklet Staple Position	310x432	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-013	Adj Booklet Staple Position	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-014	Adj Booklet Staple Position	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-015	Adj Booklet Staple Position	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-016	Adj Booklet Staple Position	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-017	Adj Booklet Staple Position	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-018	Adj Booklet Staple Position	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-200-019	Adj Booklet Staple Position	Oficio SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-001	Adj Booklet Fold Position	13"x19.2"	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-002	Adj Booklet Fold Position	13"x19"	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-	Adj Booklet Fold	12.6"x19.2"	ENG	[-20 to 20 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Position			
6-201-004	Adj Booklet Fold Position	12.6"x18.5"	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-005	Adj Booklet Fold Position	13"x18"	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-006	Adj Booklet Fold Position	SR A3	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-007	Adj Booklet Fold Position	12"x18"	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-008	Adj Booklet Fold Position	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-009	Adj Booklet Fold Position	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-010	Adj Booklet Fold Position	SR A4	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-011	Adj Booklet Fold Position	226x310	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-012	Adj Booklet Fold Position	310x432	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-013	Adj Booklet Fold Position	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-014	Adj Booklet Fold Position	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-015	Adj Booklet Fold Position	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-016	Adj Booklet Fold Position	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-017	Adj Booklet Fold Position	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-018	Adj Booklet Fold Position	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-201-019	Adj Booklet Fold Position	Oficio SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-202-001	Adj Booklet Jog Fence Position	13"x19.2"	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-	Adj Booklet Jog Fence	13"x19"	ENG	[-5 to 5 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002	Position			
6-202-003	Adj Booklet Jog Fence Position	12.6"x19.2"	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-004	Adj Booklet Jog Fence Position	12.6"x18.5"	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-005	Adj Booklet Jog Fence Position	13"x18"	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-006	Adj Booklet Jog Fence Position	SR A3	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-007	Adj Booklet Jog Fence Position	12"x18"	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-008	Adj Booklet Jog Fence Position	A3 SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-009	Adj Booklet Jog Fence Position	B4 SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-010	Adj Booklet Jog Fence Position	SR A4	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-011	Adj Booklet Jog Fence Position	226x310	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-012	Adj Booklet Jog Fence Position	310x432	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-013	Adj Booklet Jog Fence Position	A4 SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-014	Adj Booklet Jog Fence Position	B5 SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-015	Adj Booklet Jog Fence Position	DLT SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-016	Adj Booklet Jog Fence Position	LG SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-017	Adj Booklet Jog Fence Position	LT SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-018	Adj Booklet Jog Fence Position	Other	ENG	[-5 to 5 / 0 / 0.1mm]
6-202-019	Adj Booklet Jog Fence Position	Oficio SEF	ENG	[-5 to 5 / 0 / 0.1mm]
6-203-	Set Number of Folds for Book		ENG	[-3 to 9 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
6-204-001	BkFold Plate Adjustment		ENG	[-30 to 0 / 0 / 0.5mm]
6-205-001	Adj Booklet Stapler Jog Pawl	13"x19.2"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-002	Adj Booklet Stapler Jog Pawl	13"x19"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-003	Adj Booklet Stapler Jog Pawl	12.6"x19.2"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-004	Adj Booklet Stapler Jog Pawl	12.6"x18.5"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-005	Adj Booklet Stapler Jog Pawl	13"x18"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-006	Adj Booklet Stapler Jog Pawl	SR A3	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-007	Adj Booklet Stapler Jog Pawl	12"x18"	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-008	Adj Booklet Stapler Jog Pawl	A3 SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-009	Adj Booklet Stapler Jog Pawl	B4 SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-010	Adj Booklet Stapler Jog Pawl	SR A4	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-011	Adj Booklet Stapler Jog Pawl	226x310	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-012	Adj Booklet Stapler Jog Pawl	310x432	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-013	Adj Booklet Stapler Jog Pawl	A4 SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-014	Adj Booklet Stapler Jog Pawl	B5 SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-015	Adj Booklet Stapler Jog Pawl	DLT SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-016	Adj Booklet Stapler Jog Pawl	LG SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-	Adj Booklet Stapler Jog	LT SEF	ENG	[-30 to 30 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	Pawl			
6-205-018	Adj Booklet Stapler Jog Pawl	Other	ENG	[-30 to 30 / 0 / 0.1mm]
6-205-019	Adj Booklet Stapler Jog Pawl	Oficio SEF	ENG	[-30 to 30 / 0 / 0.1mm]
6-206-001	Bklet Tray Line Spd Adjust		ENG	[-50 to 50 / 0 / 0.1%]
6-207-001	Bklet Tray Mt ON Adjust		ENG	[-20 to 20 / 0 / 1mm]
6-208-001	Bklet Tray Mt Off Adjust		ENG	[-20 to 20 / 0 / 1mm]
6-209-001	Staple Pos Adj:Main Scan:1	A3 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-002	Staple Pos Adj:Main Scan:1	B4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-003	Staple Pos Adj:Main Scan:1	A4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-004	Staple Pos Adj:Main Scan:1	A4 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-005	Staple Pos Adj:Main Scan:1	B5 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-006	Staple Pos Adj:Main Scan:1	B5 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-007	Staple Pos Adj:Main Scan:1	DLT SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-008	Staple Pos Adj:Main Scan:1	LG SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-009	Staple Pos Adj:Main Scan:1	LT SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-010	Staple Pos Adj:Main Scan:1	LT LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-011	Staple Pos Adj:Main Scan:1	8-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-012	Staple Pos Adj:Main Scan:1	16-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-	Staple Pos Adj:Main	16-Kai LEF	ENG	[-15 to 15 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013	Scan:1			
6-209-014	Staple Pos Adj:Main Scan:1	Other	ENG	[-15 to 15 / 0 / 0.1mm]
6-209-015	Staple Pos Adj:Main Scan:1	Oficio SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-210-001	Staple Pos Set:Main Scan:1	A3 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-002	Staple Pos Set:Main Scan:1	B4 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-003	Staple Pos Set:Main Scan:1	A4 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-004	Staple Pos Set:Main Scan:1	A4 LEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-005	Staple Pos Set:Main Scan:1	B5 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-006	Staple Pos Set:Main Scan:1	B5 LEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-007	Staple Pos Set:Main Scan:1	DLT SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-008	Staple Pos Set:Main Scan:1	LG SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-009	Staple Pos Set:Main Scan:1	LT SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-010	Staple Pos Set:Main Scan:1	LT LEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-011	Staple Pos Set:Main Scan:1	8-Kai SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-012	Staple Pos Set:Main Scan:1	16-Kai SEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-013	Staple Pos Set:Main Scan:1	16-Kai LEF	ENG	[-2 to 2 / 0 / 1mm]
6-210-014	Staple Pos Set:Main Scan:1	Other	ENG	[-2 to 2 / 0 / 1mm]
6-210-015	Staple Pos Set:Main Scan:1	Oficio SEF	ENG	[-2 to 2 / 0 / 1mm]
6-211-	Staple Pos Adj:Main	A3 SEF	ENG	[-15 to 15 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Scan:2			
6-211-002	Staple Pos Adj:Main Scan:2	B4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-003	Staple Pos Adj:Main Scan:2	A4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-004	Staple Pos Adj:Main Scan:2	A4 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-005	Staple Pos Adj:Main Scan:2	B5 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-006	Staple Pos Adj:Main Scan:2	B5 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-007	Staple Pos Adj:Main Scan:2	DLT SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-008	Staple Pos Adj:Main Scan:2	LG SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-009	Staple Pos Adj:Main Scan:2	LT SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-010	Staple Pos Adj:Main Scan:2	LT LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-011	Staple Pos Adj:Main Scan:2	8-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-012	Staple Pos Adj:Main Scan:2	16-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-013	Staple Pos Adj:Main Scan:2	16-Kai LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-014	Staple Pos Adj:Main Scan:2	Other	ENG	[-15 to 15 / 0 / 0.1mm]
6-211-015	Staple Pos Adj:Main Scan:2	Oficio SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-212-001	Staple Pos Set:Main Scan:2	A3 SEF	ENG	[-16 to 115 / 0 / 1mm]
6-212-002	Staple Pos Set:Main Scan:2	B4 SEF	ENG	[-16 to 75 / 0 / 1mm]
6-212-003	Staple Pos Set:Main Scan:2	A4 SEF	ENG	[-16 to 28 / 0 / 1mm]
6-212-	Staple Pos Set:Main	A4 LEF	ENG	[-16 to 115 / 0 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Scan:2			
6-212-005	Staple Pos Set:Main Scan:2	B5 SEF	ENG	[-16 to 0 / 0 / 1mm]
6-212-006	Staple Pos Set:Main Scan:2	B5 LEF	ENG	[-16 to 75 / 0 / 1mm]
6-212-007	Staple Pos Set:Main Scan:2	DLT SEF	ENG	[-16 to 98 / 0 / 1mm]
6-212-008	Staple Pos Set:Main Scan:2	LG SEF	ENG	[-16 to 34 / 0 / 1mm]
6-212-009	Staple Pos Set:Main Scan:2	LT SEF	ENG	[-16 to 34 / 0 / 1mm]
6-212-010	Staple Pos Set:Main Scan:2	LT LEF	ENG	[-16 to 98 / 0 / 1mm]
6-212-011	Staple Pos Set:Main Scan:2	8-Kai SEF	ENG	[-16 to 85 / 0 / 1mm]
6-212-012	Staple Pos Set:Main Scan:2	16-Kai SEF	ENG	[-16 to 12 / 0 / 1mm]
6-212-013	Staple Pos Set:Main Scan:2	16-Kai LEF	ENG	[-16 to 85 / 0 / 1mm]
6-212-014	Staple Pos Set:Main Scan:2	Other	ENG	[-16 to 115 / 0 / 1mm]
6-212-015	Staple Pos Set:Main Scan:2	Oficio SEF	ENG	[-16 to 34 / 0 / 1mm]
6-213-001	Staple Pos Adj:Sub Scan	A3 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-002	Staple Pos Adj:Sub Scan	B4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-003	Staple Pos Adj:Sub Scan	A4 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-004	Staple Pos Adj:Sub Scan	A4 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-005	Staple Pos Adj:Sub Scan	B5 SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-006	Staple Pos Adj:Sub Scan	B5 LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-	Staple Pos Adj:Sub Scan	DLT SEF	ENG	[-15 to 15 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
6-213-008	Staple Pos Adj:Sub Scan	LG SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-009	Staple Pos Adj:Sub Scan	LT SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-010	Staple Pos Adj:Sub Scan	LT LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-011	Staple Pos Adj:Sub Scan	8-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-012	Staple Pos Adj:Sub Scan	16-Kai SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-013	Staple Pos Adj:Sub Scan	16-Kai LEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-014	Staple Pos Adj:Sub Scan	Other	ENG	[-15 to 15 / 0 / 0.1mm]
6-213-015	Staple Pos Adj:Sub Scan	Oficio SEF	ENG	[-15 to 15 / 0 / 0.1mm]
6-214-001	Staple Pos Set:Sub Scan	A3 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-002	Staple Pos Set:Sub Scan	B4 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-003	Staple Pos Set:Sub Scan	A4 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-004	Staple Pos Set:Sub Scan	A4 LEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-005	Staple Pos Set:Sub Scan	B5 SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-006	Staple Pos Set:Sub Scan	B5 LEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-007	Staple Pos Set:Sub Scan	DLT SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-008	Staple Pos Set:Sub Scan	LG SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-009	Staple Pos Set:Sub Scan	LT SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-	Staple Pos Set:Sub Scan	LT LEF	ENG	[-2 to 2 / 0 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
6-214-011	Staple Pos Set:Sub Scan	8-Kai SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-012	Staple Pos Set:Sub Scan	16-Kai SEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-013	Staple Pos Set:Sub Scan	16-Kai LEF	ENG	[-2 to 2 / 0 / 1mm]
6-214-014	Staple Pos Set:Sub Scan	Other	ENG	[-2 to 2 / 0 / 1mm]
6-214-015	Staple Pos Set:Sub Scan	Oficio SEF	ENG	[-2 to 2 / 0 / 1mm]
6-215-001	Staple Pos Dev Adj:Sub Scan		ENG	[-10 to 10 / 0 / 0.1mm]
6-216-001	Adj End Bind Jogger	A3 SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-002	Adj End Bind Jogger	B4 SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-003	Adj End Bind Jogger	A4 SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-004	Adj End Bind Jogger	A4 LEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-005	Adj End Bind Jogger	B5 SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-006	Adj End Bind Jogger	B5 LEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-007	Adj End Bind Jogger	DLT SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-008	Adj End Bind Jogger	LG SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-009	Adj End Bind Jogger	LT SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-010	Adj End Bind Jogger	LT LEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-011	Adj End Bind Jogger	8-Kai SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-	Adj End Bind Jogger	16-Kai SEF	ENG	[-10 to 10 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
6-216-013	Adj End Bind Jogger	16-Kai LEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-014	Adj End Bind Jogger	Other	ENG	[-10 to 10 / 0 / 0.1mm]
6-216-015	Adj End Bind Jogger	Oficio SEF	ENG	[-10 to 10 / 0 / 0.1mm]
6-217-001	Staple Jogging Times		ENG	[0 to 1 / 0 / 1] 0: Default 1: +1 Time
6-218-001	Adj Leading Edge Stopper	A3 SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-002	Adj Leading Edge Stopper	B4 SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-003	Adj Leading Edge Stopper	A4 SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-004	Adj Leading Edge Stopper	A4 LEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-005	Adj Leading Edge Stopper	B5 SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-006	Adj Leading Edge Stopper	B5 LEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-007	Adj Leading Edge Stopper	DLT SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-008	Adj Leading Edge Stopper	LG SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-009	Adj Leading Edge Stopper	LT SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-010	Adj Leading Edge Stopper	LT LEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-011	Adj Leading Edge Stopper	8-Kai SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-012	Adj Leading Edge Stopper	16-Kai SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-013	Adj Leading Edge Stopper	16-Kai LEF	ENG	[-25 to 25 / 0 / 0.5mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-218-014	Adj Leading Edge Stopper	Other	ENG	[-25 to 25 / 0 / 0.5mm]
6-218-015	Adj Leading Edge Stopper	Oficio SEF	ENG	[-25 to 25 / 0 / 0.5mm]
6-219-001	ExitGuidePlate CloseTiming Adj		ENG	[0 to 1 / 0 / 1] 0: Default 1: Late
6-220-001	Hitroll Motor Rotation Time	A3 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-002	Hitroll Motor Rotation Time	B4 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-003	Hitroll Motor Rotation Time	A4 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-004	Hitroll Motor Rotation Time	A4 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-005	Hitroll Motor Rotation Time	B5 SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-006	Hitroll Motor Rotation Time	B5 LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-007	Hitroll Motor Rotation Time	DLT SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-008	Hitroll Motor Rotation Time	LG SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-009	Hitroll Motor Rotation Time	LT SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-010	Hitroll Motor Rotation Time	LT LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-011	Hitroll Motor Rotation Time	8-Kai SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-012	Hitroll Motor Rotation Time	16-Kai SEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-013	Hitroll Motor Rotation Time	16-Kai LEF	ENG	[-50 to 50 / 0 / 5msec]
6-220-014	Hitroll Motor Rotation Time	Other	ENG	[-50 to 50 / 0 / 5msec]
6-220-	Hitroll Motor Rotation	Oficio SEF	ENG	[-50 to 50 / 0 / 5msec]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	Time			
6-222-001	Trail Edge Press Adj	Thick 2	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-002	Trail Edge Press Adj	Thick 3	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-003	Trail Edge Press Adj	Thick 4	ENG	[-3.0 to 3 / 0 / 1mm]
6-222-004	Trail Edge Press Adj	Thick 5	ENG	[-3.0 to 3 / 0 / 1mm]
6-223-001	Adj Punch Posi Sub Scan	2-Hole EU/JPN	ENG	[-35 to 35 / 0 / 0.5mm]
6-223-002	Adj Punch Posi Sub Scan	3-Hole NA	ENG	[-35 to 35 / 0 / 0.5mm]
6-223-003	Adj Punch Posi Sub Scan	4-Hole EU	ENG	[-35 to 35 / 0 / 0.5mm]
6-223-004	Adj Punch Posi Sub Scan	4-Hole Scandinavia	ENG	[-35 to 35 / 0 / 0.5mm]
6-223-005	Adj Punch Posi Sub Scan	2-Hole Scandinavia	ENG	[-35 to 35 / 0 / 0.5mm]
6-224-001	Adj Punch Posi Main Scan	2-Hole EU/JPN	ENG	[-30 to 30 / 0 / 0.5mm]
6-224-002	Adj Punch Posi Main Scan	3-Hole NA	ENG	[-30 to 30 / 0 / 0.5mm]
6-224-003	Adj Punch Posi Main Scan	4-Hole EU	ENG	[-30 to 30 / 0 / 0.5mm]
6-224-004	Adj Punch Posi Main Scan	4-Hole Scandinavia	ENG	[-30 to 30 / 0 / 0.5mm]
6-224-005	Adj Punch Posi Main Scan	2-Hole Scandinavia	ENG	[-30 to 30 / 0 / 0.5mm]
6-225-001	Adj Pre Stack Number	A3 SEF	ENG	[0 to 4 / 4 / 1]
6-225-002	Adj Pre Stack Number	B4 SEF	ENG	[0 to 4 / 4 / 1]
6-225-003	Adj Pre Stack Number	A4 SEF	ENG	[0 to 4 / 4 / 1]
6-225-	Adj Pre Stack Number	A4 LEF	ENG	[0 to 6 / 6 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
6-225-005	Adj Pre Stack Number	B5 SEF	ENG	[0 to 4 / 4 / 1]
6-225-006	Adj Pre Stack Number	B5 LEF	ENG	[0 to 6 / 6 / 1]
6-225-007	Adj Pre Stack Number	DLT SEF	ENG	[0 to 4 / 4 / 1]
6-225-008	Adj Pre Stack Number	LG SEF	ENG	[0 to 4 / 4 / 1]
6-225-009	Adj Pre Stack Number	LT SEF	ENG	[0 to 4 / 4 / 1]
6-225-010	Adj Pre Stack Number	LT LEF	ENG	[0 to 6 / 6 / 1]
6-225-011	Adj Pre Stack Number	8-Kai SEF	ENG	[0 to 4 / 4 / 1]
6-225-012	Adj Pre Stack Number	16-Kai SEF	ENG	[0 to 4 / 4 / 1]
6-225-013	Adj Pre Stack Number	16-Kai LEF	ENG	[0 to 6 / 6 / 1]
6-225-014	Adj Pre Stack Number	Other	ENG	[0 to 9 / 0 / 1]
6-226-001	Adj Registration Control		ENG	[0 to 1 / 1 / 1] 0: Corr: OFF 1: Corr: ON(Default)
6-227-001	Adj Registration Buckle	A4 LEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-002	Adj Registration Buckle	A5 SEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-003	Adj Registration Buckle	A5 LEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-004	Adj Registration Buckle	B5 LEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-005	Adj Registration Buckle	LT LEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-006	Adj Registration Buckle	HLT SEF	ENG	[-30 to 30 / 0 / 0.5mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-227-007	Adj Registration Buckle	HLT LEF	ENG	[-30 to 30 / 0 / 0.5mm]
6-227-008	Adj Registration Buckle	Other	ENG	[-30 to 30 / 0 / 0.5mm]
6-229-001	Skew Corr Adj(Z-Fold)		ENG	[0 to 2 / 2 / 1] 0: Corr: OFF 1: Corr: ON 2: Rev Corr: ON(Default)
6-230-001	Adj Registration Buckle		ENG	[-90 to 0 / 0 / 0.5mm]
6-231-001	Skew Corr Reverse Amt Adj(Z-F)		ENG	[-30 to 0 / 0 / 0.5mm]
6-232-001	Adj Output Jog Position	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-002	Adj Output Jog Position	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-003	Adj Output Jog Position	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-004	Adj Output Jog Position	A4 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-005	Adj Output Jog Position	A5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-006	Adj Output Jog Position	A5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-007	Adj Output Jog Position	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-008	Adj Output Jog Position	B5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-009	Adj Output Jog Position	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-010	Adj Output Jog Position	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-011	Adj Output Jog Position	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-012	Adj Output Jog Position	LT LEF	ENG	[-20 to 20 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-232-013	Adj Output Jog Position	HLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-014	Adj Output Jog Position	HLT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-015	Adj Output Jog Position	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-232-016	Adj Output Jog Position	Oficio SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-233-001	Output Jog Position Set		ENG	[0 to 1 / 0 / 1] 0: Enable(Default) 1: Disable
6-234-001	Output Jog Position Ang Adj:		ENG	[-10 to 10 / 0 / 5deg]
6-235-001	Output Jog Pos Set(Staple)		ENG	[0 to 1 / 1 / 1] 0: Enable 1: Disable(Default)
6-236-001	Exit Paper Tray Lowering Adj		ENG	[0 to 2 / 0 / 1] 0: Default 1: More 2: Less
6-237-001	Tray Full Set(Length?216)		ENG	[0 to 2 / 0 / 1] 0: Default 1: 1500 Sheets 2: 1000 Sheets
6-238-001	Tray Full Set(216<Length?432)		ENG	[0 to 2 / 0 / 1] 0: Default 1: 1000 Sheets 2: 500 Sheets
6-239-001	Tray Full Set(432<Length)		ENG	[0 to 1 / 0 / 1] 0: Default 1: 500 Sheets
6-240-001	Drag Roller Timing Adj		ENG	[-250 to 0 / 0 / 10msec]
6-241-001	Finisher Input Check	Finisher Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-241-	Finisher Input Check	Pre-stack Paper Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
6-241-003	Finisher Input Check	Pre-stack Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-004	Finisher Input Check	Proof Tray JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-005	Finisher Input Check	Stack JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-006	Finisher Input Check	Proof Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-241-007	Finisher Input Check	Proof Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-008	Finisher Input Check	Punch Vertical Registration Sn	ENG	[0 to 1 / 0 / 1]
6-241-009	Finisher Input Check	Punch Side-to-Side Regist Sn	ENG	[0 to 255 / 0 / 1]
6-241-010	Finisher Input Check	Punch Blade HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-011	Finisher Input Check	Punch Unit HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-012	Finisher Input Check	Punch Switch	ENG	[0 to 1 / 0 / 1]
6-241-013	Finisher Input Check	Punch Hopper Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-014	Finisher Input Check	Punch Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-015	Finisher Input Check	Stack Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-016	Finisher Input Check	Corner Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-017	Finisher Input Check	Stapler Rotation HP Sn: Front	ENG	[0 to 1 / 0 / 1]
6-241-018	Finisher Input Check	Stapler Rotation HP Sn: Rear	ENG	[0 to 1 / 0 / 1]
6-241-019	Finisher Input Check	Fence S-to-S Moving HP Senser	ENG	[0 to 1 / 0 / 1]
6-241-	Finisher Input Check	Fence Up-Down Moving HP	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020		Senser		
6-241-021	Finisher Input Check	Jogger Fence HP Sensor: Front	ENG	[0 to 1 / 0 / 1]
6-241-022	Finisher Input Check	Jogger Fence HP Sensor: Rear	ENG	[0 to 1 / 0 / 1]
6-241-023	Finisher Input Check	Positioning Roller Vibrating HP Senser	ENG	[0 to 1 / 0 / 1]
6-241-024	Finisher Input Check	Top Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-025	Finisher Input Check	Stack Feed-out Belt HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-026	Finisher Input Check	Stapling Tray Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-241-027	Finisher Input Check	Corner Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-028	Finisher Input Check	Staple End Sensor	ENG	[0 to 1 / 0 / 1]
6-241-029	Finisher Input Check	Self-Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-241-030	Finisher Input Check	Stpl Trimmings Hopper Set Sn	ENG	[0 to 1 / 0 / 1]
6-241-031	Finisher Input Check	Stpl Trimmings Hopper Full Sn	ENG	[0 to 1 / 0 / 1]
6-241-032	Finisher Input Check	Stapling Tray Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-241-033	Finisher Input Check	Stack Transport Unit HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-034	Finisher Input Check	Stack JG Vibrating HP Senser	ENG	[0 to 1 / 0 / 1]
6-241-035	Finisher Input Check	Bklet Top Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-036	Finisher Input Check	Bklet Stplr Clamp Roller HP Sn	ENG	[0 to 1 / 0 / 1]
6-241-037	Finisher Input Check	Fold Plate Cam HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-	Finisher Input Check	Fold Plate HP Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
6-241-039	Finisher Input Check	Bklet Side Fence HP Sn: Front	ENG	[0 to 1 / 0 / 1]
6-241-040	Finisher Input Check	Bklet Side Fence HP Sn: Rear	ENG	[0 to 1 / 0 / 1]
6-241-041	Finisher Input Check	Bklet Stplr Bottom Fence HP Sn	ENG	[0 to 1 / 0 / 1]
6-241-042	Finisher Input Check	Fold Unit Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-241-043	Finisher Input Check	Bklet Stapler Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-241-044	Finisher Input Check	Bklet Stapler HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-045	Finisher Input Check	Bklet Stplr Stpl End Sn: Front	ENG	[0 to 1 / 0 / 1]
6-241-046	Finisher Input Check	Bklet Stplr Stpl End Sn: Rear	ENG	[0 to 1 / 0 / 1]
6-241-047	Finisher Input Check	Bklet Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
6-241-048	Finisher Input Check	Bklet Tray Paper Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-049	Finisher Input Check	Bklet Tray Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-050	Finisher Input Check	Shift Tray Exit Sensor: Long	ENG	[0 to 1 / 0 / 1]
6-241-051	Finisher Input Check	Shift Tray Exit Sensor: Short	ENG	[0 to 1 / 0 / 1]
6-241-052	Finisher Input Check	Exit Guide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-053	Finisher Input Check	Drag Roller Vibrating HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-054	Finisher Input Check	Press Lever HP Sensor	ENG	[0 to 1 / 0 / 1]
6-241-055	Finisher Input Check	Shift Tray Upper Limit Switch	ENG	[0 to 1 / 0 / 1]
6-241-	Finisher Input Check	Shift Tray HP Sensor: Front	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				
6-241-057	Finisher Input Check	Shift Tray HP Sensor: Rear	ENG	[0 to 1 / 0 / 1]
6-241-058	Finisher Input Check	Paper Height Sensor: Staple	ENG	[0 to 1 / 0 / 1]
6-241-059	Finisher Input Check	Paper Height Sensor: Shift	ENG	[0 to 1 / 0 / 1]
6-241-060	Finisher Input Check	Paper Height Sensor: Z-Fold	ENG	[0 to 1 / 0 / 1]
6-241-061	Finisher Input Check	Paper Height Sensor: TE	ENG	[0 to 1 / 0 / 1]
6-241-062	Finisher Input Check	Shift Tray Full Sensor: 500	ENG	[0 to 1 / 0 / 1]
6-241-063	Finisher Input Check	Shift Tray Full Sensor: 1000	ENG	[0 to 1 / 0 / 1]
6-241-064	Finisher Input Check	Shift Tray Full Sensor: 1500	ENG	[0 to 1 / 0 / 1]
6-241-065	Finisher Input Check	Shift Full Sensor(L-Limit)	ENG	[0 to 1 / 0 / 1]
6-241-066	Finisher Input Check	Shift Full Sensor(Reserve)	ENG	[0 to 1 / 0 / 1]
6-241-067	Finisher Input Check	Shift Tray Emergency Stop Sw	ENG	[0 to 1 / 0 / 1]
6-241-068	Finisher Input Check	Shift Tray Jogger Fence HP Senser	ENG	[0 to 1 / 0 / 1]
6-241-069	Finisher Input Check	Shift Tray Jog Fence Retra HP Senser	ENG	[0 to 1 / 0 / 1]
6-241-070	Finisher Input Check	Front Door Switch	ENG	[0 to 1 / 0 / 1]
6-241-071	Finisher Input Check	Punch Type 1	ENG	[0 to 1 / 0 / 1]
6-241-072	Finisher Input Check	Punch Type 2	ENG	[0 to 1 / 0 / 1]
6-241-073	Finisher Input Check	Staple Tray Set Sensor	ENG	[0 to 1 / 0 / 1]
6-241-	Finisher Input Check	Reserved	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
074				
6-242-001	Finisher Output Check	Entrance Motor	ENG	[0 to 1 / 0 / 1]
6-242-002	Finisher Output Check	Registration Motor	ENG	[0 to 1 / 0 / 1]
6-242-003	Finisher Output Check	Proof Tray Vertical Trans Mt	ENG	[0 to 1 / 0 / 1]
6-242-004	Finisher Output Check	Pre-stack Release Motor	ENG	[0 to 1 / 0 / 1]
6-242-005	Finisher Output Check	Pre-stack Motor	ENG	[0 to 1 / 0 / 1]
6-242-006	Finisher Output Check	Shift JG Motor	ENG	[0 to 1 / 0 / 1]
6-242-007	Finisher Output Check	Stapler JG Motor	ENG	[0 to 1 / 0 / 1]
6-242-008	Finisher Output Check	Proof Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-242-009	Finisher Output Check	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-010	Finisher Output Check	Punch Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-011	Finisher Output Check	Punch Switch Motor	ENG	[0 to 1 / 0 / 1]
6-242-012	Finisher Output Check	Punch Drive Motor	ENG	[0 to 1 / 0 / 1]
6-242-013	Finisher Output Check	Stapling Tray Entrance Motor	ENG	[0 to 1 / 0 / 1]
6-242-014	Finisher Output Check	Stack Plate Motor	ENG	[0 to 1 / 0 / 1]
6-242-015	Finisher Output Check	Punch S-to-S Regist: CIS Lamp	ENG	[0 to 1 / 0 / 1]
6-242-016	Finisher Output Check	Stapler Rotation Motor	ENG	[0 to 1 / 0 / 1]
6-242-017	Finisher Output Check	Stapler Movement Motor	ENG	[0 to 1 / 0 / 1]
6-242-	Finisher Output Check	Fence Up-Down Moving Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
6-242-019	Finisher Output Check	Fence S-to-S Moving Motor	ENG	[0 to 1 / 0 / 1]
6-242-020	Finisher Output Check	Front Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-021	Finisher Output Check	Rear Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-022	Finisher Output Check	Positioning Roller Vibrating Motor	ENG	[0 to 1 / 0 / 1]
6-242-023	Finisher Output Check	Positioning Roller Motor	ENG	[0 to 1 / 0 / 1]
6-242-024	Finisher Output Check	Feed Out Belt Motor	ENG	[0 to 1 / 0 / 1]
6-242-025	Finisher Output Check	Top Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-026	Finisher Output Check	Shutter Solenoid	ENG	[0 to 1 / 0 / 1]
6-242-027	Finisher Output Check	Staple Motor	ENG	[0 to 1 / 0 / 1]
6-242-028	Finisher Output Check	Stack Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-029	Finisher Output Check	Stack JG Vibrating Motor	ENG	[0 to 1 / 0 / 1]
6-242-030	Finisher Output Check	Stack Transport Motor	ENG	[0 to 1 / 0 / 1]
6-242-031	Finisher Output Check	Reserved	ENG	[0 to 1 / 0 / 1]
6-242-032	Finisher Output Check	Bklet Stplr Clamp Roller Motor	ENG	[0 to 1 / 0 / 1]
6-242-033	Finisher Output Check	Bklet Stplr Bottom Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-034	Finisher Output Check	Bklet Stplr Side Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-035	Finisher Output Check	Bklet Stplr Top Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-	Finisher Output Check	Bklet Stplr Mt	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
036				
6-242-037	Finisher Output Check	Booklet Tray Motor	ENG	[0 to 1 / 0 / 1]
6-242-038	Finisher Output Check	Fold Roller Motor	ENG	[0 to 1 / 0 / 1]
6-242-039	Finisher Output Check	Fold Plate Motor	ENG	[0 to 1 / 0 / 1]
6-242-040	Finisher Output Check	Shift Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-242-041	Finisher Output Check	Shift Moving Motor	ENG	[0 to 1 / 0 / 1]
6-242-042	Finisher Output Check	Drag Drive Motor	ENG	[0 to 1 / 0 / 1]
6-242-043	Finisher Output Check	Drag Roller Motor	ENG	[0 to 1 / 0 / 1]
6-242-044	Finisher Output Check	Exit Guide Motor	ENG	[0 to 1 / 0 / 1]
6-242-045	Finisher Output Check	Shift Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-242-046	Finisher Output Check	Shift Tray Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-242-047	Finisher Output Check	Shift Tray Jog Fence Retra Mt	ENG	[0 to 1 / 0 / 1]
6-242-048	Finisher Output Check	Exit Fan Motor	ENG	[0 to 1 / 0 / 1]
6-242-049	Finisher Output Check	Press Lever	ENG	[0 to 1 / 0 / 1]
6-243-001	Shift Tray:Paper Jogger Set		ENG	[0 to 1 / 0 / 1] 0: Speed Priority 1: Accuracy Priority
6-244-001	Outputed:Trail Edge Press Set		ENG	[0 to 2 / 0 / 1] 0: Auto 1: Force ON 2: Force OFF
6-245-001	Paper Exit Fan Setting		ENG	[0 to 2 / 0 / 1] 0: Auto

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
				1: Force ON 2: Force OFF
6-246-001	Paper Exit Fan Vol Adj		ENG	[0 to 1 / 0 / 1] 0: Auto 1: Fan Vol Up
6-247-001	Bklet Tray Full Adj		ENG	[0 to 30 / 9 / 0.1V]
6-248-001	Tray Full Set(Non Carbon)		ENG	[0 to 3 / 0 / 1] 0: Default 1: 500 Sheets 2:1500 Sheets 3:Tray Full
6-249-001	Output Jog Position Set(Non Carbon)		ENG	[0 to 1 / 0 / 1] 0: Enable(Default) 1: Disable
6-309-001	Input Check: Folder	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-309-002	Input Check: Folder	Entrance JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-004	Input Check: Folder	Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-309-005	Input Check: Folder	Dynamic Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-006	Input Check: Folder	Registration Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-007	Input Check: Folder	Fold Plate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-008	Input Check: Folder	Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-010	Input Check: Folder	1st Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-011	Input Check: Folder	1st Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-012	Input Check: Folder	2nd Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-	Input Check: Folder	2nd Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
6-309-014	Input Check: Folder	3rd Stopper Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-015	Input Check: Folder	3rd Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-016	Input Check: Folder	Direct-Send JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-017	Input Check: Folder	FM6 Pawl HP Sensor	ENG	[0 to 1 / 0 / 1]
6-309-018	Input Check: Folder	Top Tray Paper Path Sensor	ENG	[0 to 1 / 0 / 1]
6-309-019	Input Check: Folder	Top Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-309-020	Input Check: Folder	Horizontal Path Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-309-021	Input Check: Folder	Top Tray Full Sensor (E)	ENG	[0 to 1 / 0 / 1]
6-309-023	Input Check: Folder	Front Door Switch (SW1)	ENG	[0 to 1 / 0 / 1]
6-309-024	Input Check: Folder	Horizontal Path Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-025	Input Check: Folder	Vertical Path Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-026	Input Check: Folder	Bypass Entrance Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-309-027	Input Check: Folder	Bypass Exit Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-310-001	Output Check: Folder	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-002	Output Check: Folder	Top Tray Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-003	Output Check: Folder	Top Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-310-004	Output Check: Folder	Dynamic Roller Transport Motor	ENG	[0 to 1 / 0 / 1]
6-310-	Output Check: Folder	Registration Roller Transport	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005		Motor		
6-310-007	Output Check: Folder	Entrance JG Motor	ENG	[0 to 1 / 0 / 1]
6-310-008	Output Check: Folder	1st Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-009	Output Check: Folder	2nd Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-010	Output Check: Folder	3rd Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-310-011	Output Check: Folder	Dynamic Roller Lift Motor	ENG	[0 to 1 / 0 / 1]
6-310-012	Output Check: Folder	Registration Roller Release Motor	ENG	[0 to 1 / 0 / 1]
6-310-013	Output Check: Folder	Fold Plate Motor	ENG	[0 to 1 / 0 / 1]
6-310-014	Output Check: Folder	Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-310-016	Output Check: Folder	Direct-Send JG Motor	ENG	[0 to 1 / 0 / 1]
6-310-017	Output Check: Folder	FM6 Pawl Motor	ENG	[0 to 1 / 0 / 1]
6-310-018	Output Check: Folder	1st Fold Motor	ENG	[0 to 1 / 0 / 1]
6-310-019	Output Check: Folder	2nd Fold Motor	ENG	[0 to 1 / 0 / 1]
6-310-020	Output Check: Folder	Crease Motor	ENG	[0 to 1 / 0 / 1]
6-310-021	Output Check: Folder	Bypass JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-022	Output Check: Folder	Exit JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-023	Output Check: Folder	Top Tray JG Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-024	Output Check: Folder	LE Stop Pawl Solenoid	ENG	[0 to 1 / 0 / 1]
6-310-	Output Check: Folder	Reverse JG Solenoid	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
025				
6-310-026	Output Check: Folder	Horizontal Exit Motor	ENG	[0 to 1 / 0 / 1]
6-312-001	FM1 Z-Fld: Fine Adj 1st Fld	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-002	FM1 Z-Fld: Fine Adj 1st Fld	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-003	FM1 Z-Fld: Fine Adj 1st Fld	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-004	FM1 Z-Fld: Fine Adj 1st Fld	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-005	FM1 Z-Fld: Fine Adj 1st Fld	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-006	FM1 Z-Fld: Fine Adj 1st Fld	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-007	FM1 Z-Fld: Fine Adj 1st Fld	12"x18"	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-008	FM1 Z-Fld: Fine Adj 1st Fld	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-312-020	FM1 Z-Fld: Fine Adj 1st Fld	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-001	FM1 Z-Fld: Fine Adj 2nd Fld	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-002	FM1 Z-Fld: Fine Adj 2nd Fld	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-003	FM1 Z-Fld: Fine Adj 2nd Fld	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-004	FM1 Z-Fld: Fine Adj 2nd Fld	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-005	FM1 Z-Fld: Fine Adj 2nd Fld	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-006	FM1 Z-Fld: Fine Adj 2nd Fld	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-007	FM1 Z-Fld: Fine Adj 2nd Fld	12"x18"	ENG	[-40 to 40 / 0 / 0.2mm]
6-313-	FM1 Z-Fld: Fine Adj	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	2nd Fld			
6-313-020	FM1 Z-Fld: Fine Adj 2nd Fld	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-001	FM2 Equal 1/2:FineAdjFld	A3 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-002	FM2 Equal 1/2:FineAdjFld	B4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-003	FM2 Equal 1/2:FineAdjFld	A4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-004	FM2 Equal 1/2:FineAdjFld	DLT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-005	FM2 Equal 1/2:FineAdjFld	LG SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-006	FM2 Equal 1/2:FineAdjFld	LT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-007	FM2 Equal 1/2:FineAdjFld	12"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-008	FM2 Equal 1/2:FineAdjFld	8-kai (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-009	FM2 Equal 1/2:FineAdjFld	B5 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-010	FM2 Equal 1/2:FineAdjFld	13"x19" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-011	FM2 Equal 1/2:FineAdjFld	13"x19.2" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-012	FM2 Equal 1/2:FineAdjFld	13"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-013	FM2 Equal 1/2:FineAdjFld	12.6"x18.5" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-014	FM2 Equal 1/2:FineAdjFld	12.6"x19.2" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-015	FM2 Equal 1/2:FineAdjFld	SRA3 (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-016	FM2 Equal 1/2:FineAdjFld	SRA4 (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-	FM2 Equal	226x310 (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	1/2:FineAdjFld			
6-314-018	FM2 Equal 1/2:FineAdjFld	310x432 (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-314-020	FM2 Equal 1/2:FineAdjFld	Custom (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-001	FM3 Equal 3rds:Fine Adj 1st	A3 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-002	FM3 Equal 3rds:Fine Adj 1st	B4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-003	FM3 Equal 3rds:Fine Adj 1st	A4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-004	FM3 Equal 3rds:Fine Adj 1st	DLT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-005	FM3 Equal 3rds:Fine Adj 1st	LG SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-006	FM3 Equal 3rds:Fine Adj 1st	LT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-007	FM3 Equal 3rds:Fine Adj 1st	12"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-008	FM3 Equal 3rds:Fine Adj 1st	8-kai (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-315-009	FM3 Equal 3rds:Fine Adj 1st	B5 SEF (Single Sheet)	ENG	[-30 to 30 / 0 / 0.2mm]
6-315-020	FM3 Equal 3rds:Fine Adj 1st	Custom (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-001	FM3 Equal 3rds:Fine Adj 2nd	A3 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-002	FM3 Equal 3rds:Fine Adj 2nd	B4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-003	FM3 Equal 3rds:Fine Adj 2nd	A4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-004	FM3 Equal 3rds:Fine Adj 2nd	DLT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-005	FM3 Equal 3rds:Fine Adj 2nd	LG SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-	FM3 Equal 3rds:Fine	LT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006	Adj 2nd			
6-316-007	FM3 Equal 3rds:Fine Adj 2nd	12"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-008	FM3 Equal 3rds:Fine Adj 2nd	8-kai (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-316-009	FM3 Equal 3rds:Fine Adj 2nd	B5 SEF (Single Sheet)	ENG	[-30 to 30 / 0 / 0.2mm]
6-316-020	FM3 Equal 3rds:Fine Adj 2nd	Custom (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-001	FM4 3rds 1 Flap:Fine Adj 1st	A3 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-002	FM4 3rds 1 Flap:Fine Adj 1st	B4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-003	FM4 3rds 1 Flap:Fine Adj 1st	A4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-004	FM4 3rds 1 Flap:Fine Adj 1st	DLT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-005	FM4 3rds 1 Flap:Fine Adj 1st	LG SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-006	FM4 3rds 1 Flap:Fine Adj 1st	LT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-007	FM4 3rds 1 Flap:Fine Adj 1st	12"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-008	FM4 3rds 1 Flap:Fine Adj 1st	8-kai (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-009	FM4 3rds 1 Flap:Fine Adj 1st	B5 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-317-020	FM4 3rds 1 Flap:Fine Adj 1st	Custom (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-001	FM4 3rds 1 Flap:Fine Adj 2nd	A3 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-002	FM4 3rds 1 Flap:Fine Adj 2nd	B4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-003	FM4 3rds 1 Flap:Fine Adj 2nd	A4 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-	FM4 3rds 1 Flap:Fine	DLT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Adj 2nd			
6-318-005	FM4 3rds 1 Flap:Fine Adj 2nd	LG SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-006	FM4 3rds 1 Flap:Fine Adj 2nd	LT SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-007	FM4 3rds 1 Flap:Fine Adj 2nd	12"x18" (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-008	FM4 3rds 1 Flap:Fine Adj 2nd	8-kai (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-009	FM4 3rds 1 Flap:Fine Adj 2nd	B5 SEF (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-318-020	FM4 3rds 1 Flap:Fine Adj 2nd	Custom (Single Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-001	FM5 4ths "V": Fine Adjust 1st	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-002	FM5 4ths "V": Fine Adjust 1st	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-003	FM5 4ths "V": Fine Adjust 1st	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-004	FM5 4ths "V": Fine Adjust 1st	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-005	FM5 4ths "V": Fine Adjust 1st	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-006	FM5 4ths "V": Fine Adjust 1st	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-007	FM5 4ths "V": Fine Adjust 1st	12"x18"	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-008	FM5 4ths "V": Fine Adjust 1st	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-009	FM5 4ths "V": Fine Adjust 1st	B5 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-319-020	FM5 4ths "V": Fine Adjust 1st	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-001	FM5 4ths "V": Fine Adjust 2nd	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-	FM5 4ths "V": Fine	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002	Adjust 2nd			
6-320-003	FM5 4ths "V": Fine Adjust 2nd	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-004	FM5 4ths "V": Fine Adjust 2nd	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-005	FM5 4ths "V": Fine Adjust 2nd	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-006	FM5 4ths "V": Fine Adjust 2nd	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-007	FM5 4ths "V": Fine Adjust 2nd	12"x18"	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-008	FM5 4ths "V": Fine Adjust 2nd	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-009	FM5 4ths "V": Fine Adjust 2nd	B5 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-320-020	FM5 4ths "V": Fine Adjust 2nd	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-001	FM6 4ths 2 Flap:Fine Adj 1st	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-002	FM6 4ths 2 Flap:Fine Adj 1st	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-003	FM6 4ths 2 Flap:Fine Adj 1st	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-004	FM6 4ths 2 Flap:Fine Adj 1st	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-005	FM6 4ths 2 Flap:Fine Adj 1st	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-006	FM6 4ths 2 Flap:Fine Adj 1st	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-008	FM6 4ths 2 Flap:Fine Adj 1st	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-009	FM6 4ths 2 Flap:Fine Adj 1st	B5 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-321-020	FM6 4ths 2 Flap:Fine Adj 1st	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-	FM6 4ths 2 Flap:Fine	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Adj 2nd			
6-322-002	FM6 4ths 2 Flap:Fine Adj 2nd	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-003	FM6 4ths 2 Flap:Fine Adj 2nd	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-004	FM6 4ths 2 Flap:Fine Adj 2nd	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-005	FM6 4ths 2 Flap:Fine Adj 2nd	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-006	FM6 4ths 2 Flap:Fine Adj 2nd	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-008	FM6 4ths 2 Flap:Fine Adj 2nd	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-009	FM6 4ths 2 Flap:Fine Adj 2nd	B5 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-322-020	FM6 4ths 2 Flap:Fine Adj 2nd	Other	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-001	FM6 4ths 2 Flap:Fine Adj 3rd	A3 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-002	FM6 4ths 2 Flap:Fine Adj 3rd	B4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-003	FM6 4ths 2 Flap:Fine Adj 3rd	A4 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-004	FM6 4ths 2 Flap:Fine Adj 3rd	DLT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-005	FM6 4ths 2 Flap:Fine Adj 3rd	LG SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-006	FM6 4ths 2 Flap:Fine Adj 3rd	LT SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-007	FM6 4ths 2 Flap:Fine Adj 3rd	12"x18"	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-008	FM6 4ths 2 Flap:Fine Adj 3rd	8-kai	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-009	FM6 4ths 2 Flap:Fine Adj 3rd	B5 SEF	ENG	[-40 to 40 / 0 / 0.2mm]
6-323-	FM6 4ths 2 Flap:Fine	Other	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020	Adj 3rd			
6-324-001	Jogger Fence Position Adjust	A3 SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-002	Jogger Fence Position Adjust	B4 SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-003	Jogger Fence Position Adjust	A4 SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-004	Jogger Fence Position Adjust	DLT SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-005	Jogger Fence Position Adjust	LG SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-006	Jogger Fence Position Adjust	LT SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-007	Jogger Fence Position Adjust	12"x18"	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-008	Jogger Fence Position Adjust	8-Kai	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-009	Jogger Fence Position Adjust	B5 SEF	ENG	[-20 to 20 / 0 / 0.5mm]
6-324-019	Jogger Fence Position Adjust	Other	ENG	[-20 to 20 / 0 / 0.5mm]
6-325-001	Registration Buckle Adjust	A3 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-002	Registration Buckle Adjust	B4 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-003	Registration Buckle Adjust	A4 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-004	Registration Buckle Adjust	DLT SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-005	Registration Buckle Adjust	LG SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-006	Registration Buckle Adjust	LT SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-007	Registration Buckle Adjust	12"x18"	ENG	[-4 to 2 / 0 / 1mm]
6-325-	Registration Buckle	8-Kai	ENG	[-4 to 2 / 0 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	Adjust			
6-325-009	Registration Buckle Adjust	B5 SEF	ENG	[-4 to 2 / 0 / 1mm]
6-325-019	Registration Buckle Adjust	Other	ENG	[-4 to 2 / 0 / 1mm]
6-326-001	Reg Buckle Adjust Select		ENG	[0 to 1 / 0 / 1] 0: Buckle Control ON 1: Buckle Control OFF
6-400-001	Cvr Inserter Input Check	1st Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
6-400-002	Cvr Inserter Input Check	2nd Paper Feed Sensor	ENG	[0 to 1 / 0 / 1]
6-400-003	Cvr Inserter Input Check	1st Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-004	Cvr Inserter Input Check	2nd Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-005	Cvr Inserter Input Check	1st Vertical Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-006	Cvr Inserter Input Check	2nd Vertical Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-400-007	Cvr Inserter Input Check	Output Sensor	ENG	[0 to 1 / 0 / 1]
6-400-008	Cvr Inserter Input Check	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-400-009	Cvr Inserter Input Check	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-010	Cvr Inserter Input Check	1st Pick-up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-400-011	Cvr Inserter Input Check	2nd Pick-up Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-400-012	Cvr Inserter Input Check	1st Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-013	Cvr Inserter Input Check	2nd Upper Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-014	Cvr Inserter Input Check	1st Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-400-015	Cvr Inserter Input Check	2nd Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-400-016	Cvr Inserter Input Check	1st Paper Near End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-017	Cvr Inserter Input Check	2nd Paper Near End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-018	Cvr Inserter Input Check	1st Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-019	Cvr Inserter Input Check	2nd Paper End Sensor	ENG	[0 to 1 / 0 / 1]
6-400-020	Cvr Inserter Input Check	1st Paper Length Sensor	ENG	[0 to 1 / 0 / 1]
6-400-021	Cvr Inserter Input Check	2nd Paper Length Sensor	ENG	[0 to 1 / 0 / 1]
6-400-022	Cvr Inserter Input Check	1st Paper Width Sensor 1	ENG	[0 to 1 / 0 / 1]
6-400-023	Cvr Inserter Input Check	1st Paper Width Sensor 2	ENG	[0 to 1 / 0 / 1]
6-400-024	Cvr Inserter Input Check	1st Paper Width Sensor 3	ENG	[0 to 1 / 0 / 1]
6-400-025	Cvr Inserter Input Check	1st Paper Width Sensor 4	ENG	[0 to 1 / 0 / 1]
6-400-026	Cvr Inserter Input Check	1st Paper Width Sensor 5	ENG	[0 to 1 / 0 / 1]
6-400-027	Cvr Inserter Input Check	2nd Paper Width Sensor 1	ENG	[0 to 1 / 0 / 1]
6-400-028	Cvr Inserter Input Check	2nd Paper Width Sensor 2	ENG	[0 to 1 / 0 / 1]
6-400-029	Cvr Inserter Input Check	2nd Paper Width Sensor 3	ENG	[0 to 1 / 0 / 1]
6-400-030	Cvr Inserter Input Check	2nd Paper Width Sensor 4	ENG	[0 to 1 / 0 / 1]
6-400-031	Cvr Inserter Input Check	2nd Paper Width Sensor 5	ENG	[0 to 1 / 0 / 1]
6-400-032	Cvr Inserter Input Check	1st Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-400-033	Cvr Inserter Input Check	2nd Feed Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-400-034	Cvr Inserter Input Check	Cover Vertical Transport Switch	ENG	[0 to 1 / 0 / 1]
6-400-035	Cvr Inserter Input Check	Front Door Open Switch	ENG	[0 to 1 / 0 / 1]
6-401-001	Cvr Inserter Output Check	OFF (Stop)	ENG	[0 to 1 / 0 / 1]
6-401-002	Cvr Inserter Output Check	1st Pick-up Motor	ENG	[0 to 1 / 0 / 1]
6-401-003	Cvr Inserter Output Check	2nd Pick-up Motor	ENG	[0 to 1 / 0 / 1]
6-401-004	Cvr Inserter Output Check	1st Paper Feed Motor	ENG	[0 to 1 / 0 / 1]
6-401-005	Cvr Inserter Output Check	2nd Paper Feed Motor	ENG	[0 to 1 / 0 / 1]
6-401-006	Cvr Inserter Output Check	1st Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-007	Cvr Inserter Output Check	2nd Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-008	Cvr Inserter Output Check	Vertical Transport Motor	ENG	[0 to 1 / 0 / 1]
6-401-009	Cvr Inserter Output Check	Horizontal Transport Motor	ENG	[0 to 1 / 0 / 1]
6-500-001	Adj Ring Punch	A4 LEF	ENG	[-200 to 200 / 0 / 0.05mm]
6-500-002	Adj Ring Punch	LT LEF	ENG	[-200 to 200 / 0 / 0.05mm]
6-501-001	Adj Ring Paddle Pos		ENG	[-30 to 30 / 0 / 0.1mm]
6-502-001	Adj Bind Position 1	A4 LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-502-002	Adj Bind Position 1	LT LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-503-001	Adj Bind Position 2	A4 LEF	ENG	[-20 to 20 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-503-002	Adj Bind Position 2	LT LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-504-001	Eigen Val Adj Ring Punch	A4 LEF	ENG	[-200 to 200 / 0 / 0.05mm]
6-504-002	Eigen Val Adj Ring Punch	LT LEF	ENG	[-200 to 200 / 0 / 0.05mm]
6-505-001	Eigen Val Adj Ring Paddle Pos		ENG	[-30 to 30 / 0 / 0.1mm]
6-506-001	Eigen Val Adj Bind Position 1	A4 LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-506-002	Eigen Val Adj Bind Position 1	LT LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-507-001	Eigen Val Adj Bind Position 2	A4 LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-507-002	Eigen Val Adj Bind Position 2	LT LEF	ENG	[-20 to 20 / 0 / 0.2mm]
6-508-001	Input Check: Ring Binder	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-508-002	Input Check: Ring Binder	Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-508-003	Input Check: Ring Binder	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-508-004	Input Check: Ring Binder	Punch Process Reference Sensor	ENG	[0 to 1 / 0 / 1]
6-508-005	Input Check: Ring Binder	Binder Delivery Base Sensor	ENG	[0 to 1 / 0 / 1]
6-508-006	Input Check: Ring Binder	Path JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-007	Input Check: Ring Binder	Paper Jog HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-008	Input Check: Ring Binder	Jog Roller Lift HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-009	Input Check: Ring Binder	Punch HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-010	Input Check: Ring Binder	Punch Encoder Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-508-011	Input Check: Ring Binder	Unit Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-012	Input Check: Ring Binder	Punch Size A4/LT Sensor	ENG	[0 to 1 / 0 / 1]
6-508-013	Input Check: Ring Binder	Punch Type Sensor	ENG	[0 to 1 / 0 / 1]
6-508-014	Input Check: Ring Binder	Full Sensor	ENG	[0 to 1 / 0 / 1]
6-508-015	Input Check: Ring Binder	Punchout Box Sensor	ENG	[0 to 1 / 0 / 1]
6-508-016	Input Check: Ring Binder	Output Belt 1 HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-017	Input Check: Ring Binder	Output Belt 2 HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-018	Input Check: Ring Binder	Output Belt Rotation HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-019	Input Check: Ring Binder	Output Unit Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-508-020	Input Check: Ring Binder	Booklet Pass Sensor	ENG	[0 to 1 / 0 / 1]
6-508-021	Input Check: Ring Binder	Stack HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-022	Input Check: Ring Binder	Stack Height Sensor 1	ENG	[0 to 1 / 0 / 1]
6-508-024	Input Check: Ring Binder	Stacker Paper Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-025	Input Check: Ring Binder	Tray Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-026	Input Check: Ring Binder	Obstacle Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-027	Input Check: Ring Binder	Book Position Sensor	ENG	[0 to 1 / 0 / 1]
6-508-028	Input Check: Ring Binder	Binder Unit Sensor	ENG	[0 to 1 / 0 / 1]
6-508-029	Input Check: Ring Binder	Width Align HP Sensor 1	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-508-030	Input Check: Ring Binder	Paddle Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-031	Input Check: Ring Binder	Clamp HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-032	Input Check: Ring Binder	Alignment Pin HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-033	Input Check: Ring Binder	Shutter HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-034	Input Check: Ring Binder	50-Sheet Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-035	Input Check: Ring Binder	Paper Thickness Sensor	ENG	[0 to 1 / 0 / 1]
6-508-037	Input Check: Ring Binder	Paper LE Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-038	Input Check: Ring Binder	Alignment Pin Top Edge Sensor	ENG	[0 to 1 / 0 / 1]
6-508-039	Input Check: Ring Binder	Width Align HP Sensor 2	ENG	[0 to 1 / 0 / 1]
6-508-040	Input Check: Ring Binder	De-curler Motor HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-041	Input Check: Ring Binder	Shutter Motor HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-042	Input Check: Ring Binder	Roller Lift Motor HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-043	Input Check: Ring Binder	Binder HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-044	Input Check: Ring Binder	Bind Timing Sensor	ENG	[0 to 1 / 0 / 1]
6-508-045	Input Check: Ring Binder	Ring Replace HP Sensor	ENG	[0 to 1 / 0 / 1]
6-508-046	Input Check: Ring Binder	Ring Replace Timing Sensor	ENG	[0 to 1 / 0 / 1]
6-508-047	Input Check: Ring Binder	Ring Supply Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-508-048	Input Check: Ring Binder	Cartridge Reversed Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-508-049	Input Check: Ring Binder	Ring Near-End Sensor	ENG	[0 to 1 / 0 / 1]
6-508-050	Input Check: Ring Binder	Ring 50/100 Sensor	ENG	[0 to 1 / 0 / 1]
6-508-051	Input Check: Ring Binder	Ring A4/LT Sensor	ENG	[0 to 1 / 0 / 1]
6-509-001	Output Check: Ring Binder	Entrance Motor	ENG	[0 to 1 / 0 / 1]
6-509-002	Output Check: Ring Binder	Transport Motor	ENG	[0 to 1 / 0 / 1]
6-509-003	Output Check: Ring Binder	Exit Motor	ENG	[0 to 1 / 0 / 1]
6-509-004	Output Check: Ring Binder	Path JG Motor	ENG	[0 to 1 / 0 / 1]
6-509-005	Output Check: Ring Binder	Jog Roller Motor	ENG	[0 to 1 / 0 / 1]
6-509-006	Output Check: Ring Binder	Side Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-509-007	Output Check: Ring Binder	After-Punch Output Motor	ENG	[0 to 1 / 0 / 1]
6-509-008	Output Check: Ring Binder	Jog Roller Lift Motor	ENG	[0 to 1 / 0 / 1]
6-509-009	Output Check: Ring Binder	Hole Clear Motor	ENG	[0 to 1 / 0 / 1]
6-509-010	Output Check: Ring Binder	Top Fence SOL	ENG	[0 to 1 / 0 / 1]
6-509-011	Output Check: Ring Binder	Output Belt 1 Motor	ENG	[0 to 1 / 0 / 1]
6-509-012	Output Check: Ring Binder	Output Belt 2 Motor	ENG	[0 to 1 / 0 / 1]
6-509-013	Output Check: Ring Binder	Output Belt Rotation Motor	ENG	[0 to 1 / 0 / 1]
6-509-014	Output Check: Ring Binder	Output Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-509-015	Output Check: Ring Binder	De-curler Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-509-016	Output Check: Ring Binder	Shutter Motor	ENG	[0 to 1 / 0 / 1]
6-509-017	Output Check: Ring Binder	Paddle Roller Motor	ENG	[0 to 1 / 0 / 1]
6-509-018	Output Check: Ring Binder	Alignment Pin Motor	ENG	[0 to 1 / 0 / 1]
6-509-019	Output Check: Ring Binder	Paddle Roller Lift Motor	ENG	[0 to 1 / 0 / 1]
6-509-020	Output Check: Ring Binder	Width Align Motor 1	ENG	[0 to 1 / 0 / 1]
6-509-021	Output Check: Ring Binder	Clamp Motor	ENG	[0 to 1 / 0 / 1]
6-509-022	Output Check: Ring Binder	Width Align Motor 2	ENG	[0 to 1 / 0 / 1]
6-509-023	Output Check: Ring Binder	Roller Motor	ENG	[0 to 1 / 0 / 1]
6-509-024	Output Check: Ring Binder	Roller Lift Motor	ENG	[0 to 1 / 0 / 1]
6-509-025	Output Check: Ring Binder	Main Lift Motor	ENG	[0 to 1 / 0 / 1]
6-509-026	Output Check: Ring Binder	50/100 Adjustment Motor	ENG	[0 to 1 / 0 / 1]
6-521-001	Stack Thickness Volume Adjust	0 mm Adjust	ENG	[0 to 1023 / 97 / 1]
6-521-002	Stack Thickness Volume Adjust	25mm Adjust	ENG	[0 to 1023 / 865 / 1]
6-522-001	Glue Remain Thermistor: Wet Sd	Glue Vat: Wet Side Lower Limit	ENG	[0 to 255 / 132 / 1]
6-522-002	Glue Remain Thermistor: Wet Sd	Glue Vat: Wet Side Upper Limit	ENG	[0 to 255 / 142 / 1]
6-523-001	Cover Factory Set	H-Reg Large	ENG	[-50 to 50 / 0 / 0.1mm]
6-523-002	Cover Factory Set	H-Reg Small	ENG	[-50 to 50 / 0 / 0.1mm]
6-523-003	Cover Factory Set	Center	ENG	[-50 to 50 / 0 / 0.1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-524-001	Stack SWBK Adj		ENG	[-50 to 50 / 0 / 0.1mm]
6-525-001	Jogger Motor Mov Amt Adj	Jogger F Motor:Small	ENG	[-30 to 30 / 0 / 0.1mm]
6-525-002	Jogger Motor Mov Amt Adj	Jogger R Motor:Small	ENG	[-30 to 30 / 0 / 0.1mm]
6-525-003	Jogger Motor Mov Amt Adj	Jogger F Motor:Large	ENG	[-30 to 30 / 0 / 0.1mm]
6-525-004	Jogger Motor Mov Amt Adj	Jogger R Motor:Large	ENG	[-30 to 30 / 0 / 0.1mm]
6-526-001	Glue Coating Amt Adj 1		ENG	[-300 to 300 / 0 / 0.05mm]
6-527-001	Glue Vat Mov Amt Adj		ENG	[-80 to 80 / 0 / 0.1mm]
6-528-001	Finishing Pos Adj	Finishing Size:Length	ENG	[-50 to 50 / 0 / 0.1mm]
6-528-002	Finishing Pos Adj	Finishing Size:Width	ENG	[-50 to 50 / 0 / 0.1mm]
6-528-003	Finishing Pos Adj	Cutting Position	ENG	[-50 to 50 / 0 / 0.1mm]
6-529-001	Finishing Angle Adjustment	10Sheets Rear	ENG	[-100 to 100 / 0 / 0.1mm]
6-529-002	Finishing Angle Adjustment	10Sheets Front	ENG	[-100 to 100 / 0 / 0.1mm]
6-529-003	Finishing Angle Adjustment	10Sheets Toward Small Hole	ENG	[-100 to 100 / 0 / 0.1mm]
6-529-004	Finishing Angle Adjustment	200Sheets Rear	ENG	[-100 to 100 / 0 / 0.1mm]
6-529-005	Finishing Angle Adjustment	200Sheets Front	ENG	[-100 to 100 / 0 / 0.1mm]
6-529-006	Finishing Angle Adjustment	200SheetsToward Small Hole	ENG	[-100 to 100 / 0 / 0.1mm]
6-530-001	Corner Processing	Vertical Cutting:ON-Rear	ENG	[-5 to 5 / 0 / 1mm]
6-530-002	Corner Processing	Vertical Cutting:ON-Front	ENG	[-3 to 3 / 0 / 1mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-530-003	Corner Processing	Vertical Cutting:OFF-Rear	ENG	[-5 to 5 / 0 / 1mm]
6-530-004	Corner Processing	Vertical Cutting:OFF-Front	ENG	[-5 to 5 / 0 / 1mm]
6-531-001	Glue Coating Amt Adj 2	Plain:Stack Thickness1	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-002	Glue Coating Amt Adj 2	Plain:Stack Thickness2	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-003	Glue Coating Amt Adj 2	Plain:Stack Thickness3	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-004	Glue Coating Amt Adj 2	Plain:Stack Thickness4	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-005	Glue Coating Amt Adj 2	Plain:Stack Thickness5	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-006	Glue Coating Amt Adj 2	Plain:Stack Thickness6	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-007	Glue Coating Amt Adj 2	Coated:Stack Thickness1	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-008	Glue Coating Amt Adj 2	Coated:Stack Thickness2	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-009	Glue Coating Amt Adj 2	Coated:Stack Thickness3	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-010	Glue Coating Amt Adj 2	Coated:Stack Thickness4	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-011	Glue Coating Amt Adj 2	Coated:Stack Thickness5	ENG	[-100 to 100 / 0 / 0.05mm]
6-531-012	Glue Coating Amt Adj 2	Coated:Stack Thickness6	ENG	[-100 to 100 / 0 / 0.05mm]
6-532-001	SWBK Roller Lift HP Adj		ENG	[-9 to 9 / 0 / 1pls]
6-533-001	Blade/Blade Cradle Set	Blade Replace Alarm Set	ENG	[10000 to 100000 / 40000 / 1000]
6-533-002	Blade/Blade Cradle Set	Blade Cradle Mov ThreshSet	ENG	[100 to 1000 / 550 / 10]
6-533-003	Blade/Blade Cradle Set	Blade Cradle Pos Update	ENG	[0 to 1 / 0 / 0]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-534-001	Glue Temp Set		ENG	[151 to 155 / 153 / 1deg.]
6-536-001	Degeneracy Mode Clear		ENG	[0 to 1 / 0 / 1]
6-537-001	Input Check: Perfect Binder	Entrance sensor	ENG	[0 to 1 / 0 / 1]
6-537-002	Input Check: Perfect Binder	Timing Sensor	ENG	[0 to 1 / 0 / 1]
6-537-003	Input Check: Perfect Binder	Jog Sensor HP: Front	ENG	[0 to 1 / 0 / 1]
6-537-004	Input Check: Perfect Binder	Jog Sensor HP: Rear	ENG	[0 to 1 / 0 / 1]
6-537-005	Input Check: Perfect Binder	Jog Sensor HP: Front Large	ENG	[0 to 1 / 0 / 1]
6-537-006	Input Check: Perfect Binder	Jog Sensor HP: Rear Large	ENG	[0 to 1 / 0 / 1]
6-537-007	Input Check: Perfect Binder	Cover Path: Sensor 1	ENG	[0 to 1 / 0 / 1]
6-537-008	Input Check: Perfect Binder	Cover Path: Sensor 2	ENG	[0 to 1 / 0 / 1]
6-537-009	Input Check: Perfect Binder	Signature Path: Sensor 1	ENG	[0 to 1 / 0 / 1]
6-537-010	Input Check: Perfect Binder	Signature Path: Sensor 2	ENG	[0 to 1 / 0 / 1]
6-537-011	Input Check: Perfect Binder	Inserter Com Sn:Before Joining	ENG	[0 to 1 / 0 / 1]
6-537-012	Input Check: Perfect Binder	Switchback Flapper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-013	Input Check: Perfect Binder	Switchback Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-014	Input Check: Perfect Binder	Cover Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-537-015	Input Check: Perfect Binder	Straight-Through Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-016	Input Check: Perfect Binder	TE Press Lever HP Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-017	Input Check: Perfect Binder	Stack Overflow Sensor	ENG	[0 to 1 / 0 / 1]
6-537-018	Input Check: Perfect Binder	Tray Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-019	Input Check: Perfect Binder	Paper Detect Sensor: Front	ENG	[0 to 1 / 0 / 1]
6-537-020	Input Check: Perfect Binder	Paper Detect Sensor: Rear	ENG	[0 to 1 / 0 / 1]
6-537-021	Input Check: Perfect Binder	Cover Guide HP Sensor: Right	ENG	[0 to 1 / 0 / 1]
6-537-022	Input Check: Perfect Binder	Cover Guide HP Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-023	Input Check: Perfect Binder	Cover Guide Open Sensor: Right	ENG	[0 to 1 / 0 / 1]
6-537-024	Input Check: Perfect Binder	Cover Guide Open Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-025	Input Check: Perfect Binder	Stack Weight Move HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-026	Input Check: Perfect Binder	Stack Tray HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-027	Input Check: Perfect Binder	Front Door SW	ENG	[0 to 1 / 0 / 1]
6-537-028	Input Check: Perfect Binder	Top Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-537-029	Input Check: Perfect Binder	Top Cover Switch	ENG	[0 to 1 / 0 / 1]
6-537-030	Input Check: Perfect Binder	Glue Tank Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-537-031	Input Check: Perfect Binder	Temperature Start Switch	ENG	[0 to 1 / 0 / 1]
6-537-032	Input Check: Perfect Binder	Inserter Connect Signal	ENG	[0 to 1 / 0 / 1]
6-537-033	Input Check: Perfect Binder	Glue Tank Empty Sensor	ENG	[0 to 1 / 0 / 1]
6-537-034	Input Check: Perfect Binder	Glue Tank Full Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-035	Input Check: Perfect Binder	24 V Guard 1	ENG	[0 to 1 / 0 / 1]
6-537-036	Input Check: Perfect Binder	24 V Guard 2	ENG	[0 to 1 / 0 / 1]
6-537-037	Input Check: Perfect Binder	Stack Tray Empty Sensor	ENG	[0 to 1 / 0 / 1]
6-537-038	Input Check: Perfect Binder	Front Door Lock Sensor	ENG	[0 to 1 / 0 / 1]
6-537-039	Input Check: Perfect Binder	Power Supply Fan Lock: Left	ENG	[0 to 1 / 0 / 1]
6-537-040	Input Check: Perfect Binder	Sub Grip Upper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-041	Input Check: Perfect Binder	Signature Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-042	Input Check: Perfect Binder	Size Move HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-043	Input Check: Perfect Binder	Registration Unit HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-044	Input Check: Perfect Binder	Post Main Grip Encoder Sensor	ENG	[0 to 1 / 0 / 1]
6-537-045	Input Check: Perfect Binder	24V 2 Check Signal	ENG	[0 to 1 / 0 / 1]
6-537-046	Input Check: Perfect Binder	Spine Fold Press Sensor: Right	ENG	[0 to 1 / 0 / 1]
6-537-047	Input Check: Perfect Binder	Main Grip HP Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-048	Input Check: Perfect Binder	Cover Horizontal Registration Sensor: Small	ENG	[0 to 1 / 0 / 1]
6-537-049	Input Check: Perfect Binder	Cover Horizontal Registration Sensor: Large	ENG	[0 to 1 / 0 / 1]
6-537-050	Input Check: Perfect Binder	Glue Tank HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-051	Input Check: Perfect Binder	Main Grip HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-052	Input Check: Perfect Binder	Main Grip Front Encoder Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-053	Input Check: Perfect Binder	24V 3 Check Signal	ENG	[0 to 1 / 0 / 1]
6-537-054	Input Check: Perfect Binder	Main Grip Press Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-055	Input Check: Perfect Binder	Main Grip Press Sensor: Small	ENG	[0 to 1 / 0 / 1]
6-537-056	Input Check: Perfect Binder	Sub Grip Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-537-057	Input Check: Perfect Binder	Sub Grip Open Sensor	ENG	[0 to 1 / 0 / 1]
6-537-058	Input Check: Perfect Binder	Sub Grip Close Sensor	ENG	[0 to 1 / 0 / 1]
6-537-059	Input Check: Perfect Binder	Spine Fold Close Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-060	Input Check: Perfect Binder	Spine Plate Open Sensor	ENG	[0 to 1 / 0 / 1]
6-537-061	Input Check: Perfect Binder	Spine Plate Close Sensor	ENG	[0 to 1 / 0 / 1]
6-537-062	Input Check: Perfect Binder	Spine Fold HP Sensor: Left	ENG	[0 to 1 / 0 / 1]
6-537-063	Input Check: Perfect Binder	Spine Fold HP Sensor: Right	ENG	[0 to 1 / 0 / 1]
6-537-064	Input Check: Perfect Binder	Cutter LE Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-537-065	Input Check: Perfect Binder	Main Grip Rotate Enable Sensor	ENG	[0 to 1 / 0 / 1]
6-537-066	Input Check: Perfect Binder	Main Grip Rotate Bind Position Sensor	ENG	[0 to 1 / 0 / 1]
6-537-067	Input Check: Perfect Binder	Main Grip Rotate HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-068	Input Check: Perfect Binder	Rear Main Grip Open Sensor	ENG	[0 to 1 / 0 / 1]
6-537-069	Input Check: Perfect Binder	Rear Main Grip Close Sensor	ENG	[0 to 1 / 0 / 1]
6-537-070	Input Check: Perfect Binder	Front Main Grip Open Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-071	Input Check: Perfect Binder	Front Main Grip Close Sensor	ENG	[0 to 1 / 0 / 1]
6-537-072	Input Check: Perfect Binder	Main Grip Signature Sensor	ENG	[0 to 1 / 0 / 1]
6-537-073	Input Check: Perfect Binder	Thermostat Abnormal	ENG	[0 to 1 / 0 / 1]
6-537-074	Input Check: Perfect Binder	Glue Heater Thermistor	ENG	[0 to 1 / 0 / 1]
6-537-075	Input Check: Perfect Binder	Glue Unit HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-076	Input Check: Perfect Binder	Book Output Path HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-077	Input Check: Perfect Binder	Book Output Path Push Sensor	ENG	[0 to 1 / 0 / 1]
6-537-078	Input Check: Perfect Binder	Sub Grip HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-079	Input Check: Perfect Binder	Signature Main Grip Position Sensor	ENG	[0 to 1 / 0 / 1]
6-537-080	Input Check: Perfect Binder	Signature Fan 2 Lock: Rear	ENG	[0 to 1 / 0 / 1]
6-537-081	Input Check: Perfect Binder	Signature Fan 2 Lock: Front	ENG	[0 to 1 / 0 / 1]
6-537-082	Input Check: Perfect Binder	Signature Fan 1 Lock: Rear	ENG	[0 to 1 / 0 / 1]
6-537-083	Input Check: Perfect Binder	Signature Fan 1 Lock: Front	ENG	[0 to 1 / 0 / 1]
6-537-084	Input Check: Perfect Binder	Power Supply Fan Lock: Center	ENG	[0 to 1 / 0 / 1]
6-537-085	Input Check: Perfect Binder	Power Supply Fan Lock: Rear	ENG	[0 to 1 / 0 / 1]
6-537-086	Input Check: Perfect Binder	Spine Plate Fan Lock: Upper Rear	ENG	[0 to 1 / 0 / 1]
6-537-087	Input Check: Perfect Binder	Spine Plate Fan Lock: Front	ENG	[0 to 1 / 0 / 1]
6-537-088	Input Check: Perfect Binder	Spine Plate Fan Lock: Lower Rear	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-089	Input Check: Perfect Binder	Spine Plate Fan Lock: Lower Front	ENG	[0 to 1 / 0 / 1]
6-537-090	Input Check: Perfect Binder	Glue Tank Roller: Rotate Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-537-091	Input Check: Perfect Binder	Glue Supply Fan: Lock 1	ENG	[0 to 1 / 0 / 1]
6-537-092	Input Check: Perfect Binder	Glue Supply Fan Lock 2	ENG	[0 to 1 / 0 / 1]
6-537-093	Input Check: Perfect Binder	Book Catch Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-094	Input Check: Perfect Binder	Output Stack Door Sensor	ENG	[0 to 1 / 0 / 1]
6-537-095	Input Check: Perfect Binder	Output Stack Door Switch	ENG	[0 to 1 / 0 / 1]
6-537-096	Input Check: Perfect Binder	Book Buffer Tray HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-097	Input Check: Perfect Binder	Trim Scrap Buffer HP Sensor: Right	ENG	[0 to 1 / 0 / 1]
6-537-098	Input Check: Perfect Binder	Press HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-099	Input Check: Perfect Binder	Blade Cradle HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-100	Input Check: Perfect Binder	Cutter Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-101	Input Check: Perfect Binder	Cutter Area Sensor 1	ENG	[0 to 1 / 0 / 1]
6-537-102	Input Check: Perfect Binder	Entrance Path Sensor	ENG	[0 to 1 / 0 / 1]
6-537-103	Input Check: Perfect Binder	Book Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-537-104	Input Check: Perfect Binder	Cutter Area Sensor 2	ENG	[0 to 1 / 0 / 1]
6-537-105	Input Check: Perfect Binder	LE Detect Sensor	ENG	[0 to 1 / 0 / 1]
6-537-106	Input Check: Perfect Binder	Grip End Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-107	Input Check: Perfect Binder	Book Rotate HP Sensor 1: Right	ENG	[0 to 1 / 0 / 1]
6-537-108	Input Check: Perfect Binder	Press End Sensor	ENG	[0 to 1 / 0 / 1]
6-537-109	Input Check: Perfect Binder	Slide HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-110	Input Check: Perfect Binder	Grip HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-111	Input Check: Perfect Binder	Book Rotate HP Sensor 2: Left	ENG	[0 to 1 / 0 / 1]
6-537-112	Input Check: Perfect Binder	Press Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-113	Input Check: Perfect Binder	Trim Scrap Box Sensor	ENG	[0 to 1 / 0 / 1]
6-537-114	Input Check: Perfect Binder	Book Arrival Sensor	ENG	[0 to 1 / 0 / 1]
6-537-115	Input Check: Perfect Binder	Book Detect Sensor: Output Tray	ENG	[0 to 1 / 0 / 1]
6-537-116	Input Check: Perfect Binder	Output Tray HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-117	Input Check: Perfect Binder	Trim Scrap Buffer HP Sensor	ENG	[0 to 1 / 0 / 1]
6-537-118	Input Check: Perfect Binder	Trim Scrap Box Full Sensor	ENG	[0 to 1 / 0 / 1]
6-537-119	Input Check: Perfect Binder	Front Door SW: Center	ENG	[0 to 1 / 0 / 1]
6-537-120	Input Check: Perfect Binder	Front Door SW: 36V	ENG	[0 to 1 / 0 / 1]
6-537-121	Input Check: Perfect Binder	Thrust Plate Sensor	ENG	[0 to 1 / 0 / 1]
6-537-122	Input Check: Perfect Binder	Upper Tray Empty Sensor	ENG	[0 to 1 / 0 / 1]
6-537-123	Input Check: Perfect Binder	Lower Tray Empty Sensor	ENG	[0 to 1 / 0 / 1]
6-537-124	Input Check: Perfect Binder	Upper Tray Pickup Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-537-125	Input Check: Perfect Binder	Lower Tray Pickup Sensor	ENG	[0 to 1 / 0 / 1]
6-537-126	Input Check: Perfect Binder	Inserter Cover Sensor	ENG	[0 to 1 / 0 / 1]
6-537-127	Input Check: Perfect Binder	Lower Tray Paper Out Sensor	ENG	[0 to 1 / 0 / 1]
6-537-128	Input Check: Perfect Binder	Lower Tray Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-537-129	Input Check: Perfect Binder	Upper Tray Registration Sensor	ENG	[0 to 1 / 0 / 1]
6-537-130	Input Check: Perfect Binder	Upper Tray: Large Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-537-131	Input Check: Perfect Binder	Upper Tray: Small Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-537-132	Input Check: Perfect Binder	Lower Tray Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-133	Input Check: Perfect Binder	Transport Sensor: Midway	ENG	[0 to 1 / 0 / 1]
6-537-134	Input Check: Perfect Binder	Inserter Unit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-135	Input Check: Perfect Binder	Upper Tray Lower Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-537-136	Input Check: Perfect Binder	Drive Gear Switching Sensor	ENG	[0 to 1 / 0 / 1]
6-537-137	Input Check: Perfect Binder	Transport Sensor 1	ENG	[0 to 1 / 0 / 1]
6-537-138	Input Check: Perfect Binder	Transport Sensor 2	ENG	[0 to 1 / 0 / 1]
6-537-139	Input Check: Perfect Binder	Relay Unit Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-537-140	Input Check: Perfect Binder	Relay Unit Front Door Sensor	ENG	[0 to 1 / 0 / 1]
6-538-001	Maintenance Mode	Grip Release1	ENG	[0 to 1 / 0 / 0]
6-538-002	Maintenance Mode	MG Rotate HP Pos Mov	ENG	[0 to 1 / 0 / 0]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-538-003	Maintenance Mode	MG Rotate Binding Pos Mov	ENG	[0 to 1 / 0 / 0]
6-538-004	Maintenance Mode	Grip Release2	ENG	[0 to 1 / 0 / 0]
6-538-005	Maintenance Mode	Blade Cradle Replace	ENG	[0 to 1 / 0 / 0]
6-538-006	Maintenance Mode	Blade Replace	ENG	[0 to 1 / 0 / 0]
6-538-007	Maintenance Mode	Cover Path:Open	ENG	[0 to 1 / 0 / 0]
6-538-008	Maintenance Mode	Cover Path:Close	ENG	[0 to 1 / 0 / 0]
6-538-009	Maintenance Mode	Stack Tray:Down	ENG	[0 to 1 / 0 / 0]
6-538-010	Maintenance Mode	Trim Scrap Buffer: Left	ENG	[0 to 1 / 0 / 0]
6-538-011	Maintenance Mode	Trim Scrap Buffer: Right	ENG	[0 to 1 / 0 / 0]
6-538-012	Maintenance Mode	Logistics Pos Mov	ENG	[0 to 1 / 0 / 0]
6-539-001	Interposer Tray VR Adj	Upper Tray A4 Width	ENG	[0 to 1 / 0 / 0]
6-539-002	Interposer Tray VR Adj	Upper Tray A4 Length	ENG	[0 to 1 / 0 / 0]
6-539-003	Interposer Tray VR Adj	Upper Tray LT Width	ENG	[0 to 1 / 0 / 0]
6-539-004	Interposer Tray VR Adj	Upper Tray LT Length	ENG	[0 to 1 / 0 / 0]
6-539-005	Interposer Tray VR Adj	Lower TrayA4 Width	ENG	[0 to 1 / 0 / 0]
6-539-006	Interposer Tray VR Adj	Lower TrayA4 Length	ENG	[0 to 1 / 0 / 0]
6-539-007	Interposer Tray VR Adj	Lower TrayLT Width	ENG	[0 to 1 / 0 / 0]
6-539-008	Interposer Tray VR Adj	Lower TrayLT Length	ENG	[0 to 1 / 0 / 0]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-540-001	Replacement Counter Clear	Blade	ENG	[0 to 1 / 0 / 0]
6-540-002	Replacement Counter Clear	Blade Cradle	ENG	[0 to 1 / 0 / 0]
6-540-003	Replacement Counter Clear	Glue Vat	ENG	[0 to 1 / 0 / 0]
6-600-001	Stacker1 Input Check	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-600-002	Stacker1 Input Check	Shift Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-600-003	Stacker1 Input Check	Proof Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-600-004	Stacker1 Input Check	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-600-005	Stacker1 Input Check	Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-600-006	Stacker1 Input Check	Proof Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
6-600-007	Stacker1 Input Check	Shift Tray JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-008	Stacker1 Input Check	Proof Tray JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-009	Stacker1 Input Check	Shift Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-010	Stacker1 Input Check	Front Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-011	Stacker1 Input Check	Rear Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-012	Stacker1 Input Check	Jog Fence Retraction HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-013	Stacker1 Input Check	LE Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-014	Stacker1 Input Check	Paper Height Sensor	ENG	[0 to 1 / 0 / 1]
6-600-015	Stacker1 Input Check	Shift Tray Paper Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-600-016	Stacker1 Input Check	Tray Full Sensor 1: 25%	ENG	[0 to 1 / 0 / 1]
6-600-017	Stacker1 Input Check	Tray Full Sensor 2: 50%	ENG	[0 to 1 / 0 / 1]
6-600-018	Stacker1 Input Check	Tray Full Sensor 3: 75%	ENG	[0 to 1 / 0 / 1]
6-600-019	Stacker1 Input Check	Tray Full Sensor 4: 100%	ENG	[0 to 1 / 0 / 1]
6-600-020	Stacker1 Input Check	Tray Low Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-600-021	Stacker1 Input Check	Roll Away Cart Set SW	ENG	[0 to 1 / 0 / 1]
6-600-022	Stacker1 Input Check	Tray Guard Sensor 1	ENG	[0 to 1 / 0 / 1]
6-600-023	Stacker1 Input Check	Tray Guard Sensor 2	ENG	[0 to 1 / 0 / 1]
6-600-024	Stacker1 Input Check	Sub Jogger HP Sensor	ENG	[0 to 1 / 0 / 1]
6-600-025	Stacker1 Input Check	Down Button	ENG	[0 to 1 / 0 / 1]
6-600-026	Stacker1 Input Check	Jam Button	ENG	[0 to 1 / 0 / 1]
6-600-027	Stacker1 Input Check	Top Door SW	ENG	[0 to 1 / 0 / 1]
6-600-028	Stacker1 Input Check	Front Door SW	ENG	[0 to 1 / 0 / 1]
6-601-001	Stacker1 Output Check	Entrance Motor/Fan2	ENG	[0 to 1 / 0 / 1]
6-601-002	Stacker1 Output Check	Proof Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-601-003	Stacker1 Output Check	Shift Exit Motor	ENG	[0 to 1 / 0 / 1]
6-601-004	Stacker1 Output Check	Transport Motor	ENG	[0 to 1 / 0 / 1]
6-601-005	Stacker1 Output Check	Shift JG Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-601-006	Stacker1 Output Check	Proof Tray JG Motor	ENG	[0 to 1 / 0 / 1]
6-601-007	Stacker1 Output Check	Shift Motor	ENG	[0 to 1 / 0 / 1]
6-601-008	Stacker1 Output Check	Front Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-601-009	Stacker1 Output Check	Rear Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-601-010	Stacker1 Output Check	Jogger Fence Retraction Motor	ENG	[0 to 1 / 0 / 1]
6-601-011	Stacker1 Output Check	LE Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-601-012	Stacker1 Output Check	Sub Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-601-013	Stacker1 Output Check	Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-601-014	Stacker1 Output Check	Front Door Lock SOL	ENG	[0 to 1 / 0 / 1]
6-601-015	Stacker1 Output Check	Fan1	ENG	[0 to 1 / 0 / 1]
6-601-016	Stacker1 Output Check	Tray Full LED	ENG	[0 to 1 / 0 / 1]
6-601-017	Stacker1 Output Check	Jam LED	ENG	[0 to 1 / 0 / 1]
6-601-018	Stacker1 Output Check	Jog In Progress LED	ENG	[0 to 1 / 0 / 1]
6-601-019	Stacker1 Output Check	Tray Lift LED	ENG	[0 to 1 / 0 / 1]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-601-020	Stacker1 Output Check	Error LED	ENG	[0 to 1 / 0 / 1]
6-602-001	Jog Fence Adjust: Stacker1	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-002	Jog Fence Adjust: Stacker1	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-003	Jog Fence Adjust: Stacker1	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-004	Jog Fence Adjust: Stacker1	A4 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-005	Jog Fence Adjust: Stacker1	A5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-006	Jog Fence Adjust: Stacker1	A5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-007	Jog Fence Adjust: Stacker1	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-008	Jog Fence Adjust: Stacker1	B5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-009	Jog Fence Adjust: Stacker1	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-010	Jog Fence Adjust: Stacker1	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-011	Jog Fence Adjust: Stacker1	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-012	Jog Fence Adjust: Stacker1	LT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-013	Jog Fence Adjust: Stacker1	HLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-014	Jog Fence Adjust: Stacker1	HLT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-602-015	Jog Fence Adjust: Stacker1	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-001	LE Stopper Adjust: Stacker1	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-	LE Stopper Adjust: Stacker1	B4 SEF	ENG	[-20 to 20 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				0.1mm]
6-603-003	LE Stopper Adjust: Stacker1	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-004	LE Stopper Adjust: Stacker1	A4 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-005	LE Stopper Adjust: Stacker1	A5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-006	LE Stopper Adjust: Stacker1	A5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-007	LE Stopper Adjust: Stacker1	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-008	LE Stopper Adjust: Stacker1	B5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-009	LE Stopper Adjust: Stacker1	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-010	LE Stopper Adjust: Stacker1	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-011	LE Stopper Adjust: Stacker1	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-012	LE Stopper Adjust: Stacker1	LT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-013	LE Stopper Adjust: Stacker1	HLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-014	LE Stopper Adjust: Stacker1	HLT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-603-015	LE Stopper Adjust: Stacker1	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-604-001	SubJog Fence Adjust: Stacker1	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-604-002	SubJog Fence Adjust: Stacker1	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-604-009	SubJog Fence Adjust: Stacker1	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-604-010	SubJog Fence Adjust: Stacker1	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-604-	SubJog Fence Adjust: Stacker1	Other	ENG	[-20 to 20 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015				0.1mm]
6-606-001	Stacker2 Input Check	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-606-002	Stacker2 Input Check	Shift Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-606-003	Stacker2 Input Check	Proof Tray Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-606-004	Stacker2 Input Check	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-606-005	Stacker2 Input Check	Transport Sensor	ENG	[0 to 1 / 0 / 1]
6-606-006	Stacker2 Input Check	Proof Tray Full Sensor	ENG	[0 to 1 / 0 / 1]
6-606-007	Stacker2 Input Check	Shift Tray JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-008	Stacker2 Input Check	Proof Tray JG HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-009	Stacker2 Input Check	Shift Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-010	Stacker2 Input Check	Front Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-011	Stacker2 Input Check	Rear Jogger Fence HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-012	Stacker2 Input Check	Jog Fence Retraction HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-013	Stacker2 Input Check	LE Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-014	Stacker2 Input Check	Paper Height Sensor	ENG	[0 to 1 / 0 / 1]
6-606-015	Stacker2 Input Check	Shift Tray Paper Sensor	ENG	[0 to 1 / 0 / 1]
6-606-016	Stacker2 Input Check	Tray Full Sensor 1: 25%	ENG	[0 to 1 / 0 / 1]
6-606-017	Stacker2 Input Check	Tray Full Sensor 2: 50%	ENG	[0 to 1 / 0 / 1]
6-606-	Stacker2 Input Check	Tray Full Sensor 3: 75%	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
6-606-019	Stacker2 Input Check	Tray Full Sensor 4: 100%	ENG	[0 to 1 / 0 / 1]
6-606-020	Stacker2 Input Check	Tray Low Limit Sensor	ENG	[0 to 1 / 0 / 1]
6-606-021	Stacker2 Input Check	Roll Away Cart Set SW	ENG	[0 to 1 / 0 / 1]
6-606-022	Stacker2 Input Check	Tray Guard Sensor 1	ENG	[0 to 1 / 0 / 1]
6-606-023	Stacker2 Input Check	Tray Guard Sensor 2	ENG	[0 to 1 / 0 / 1]
6-606-024	Stacker2 Input Check	Sub Jogger HP Sensor	ENG	[0 to 1 / 0 / 1]
6-606-025	Stacker2 Input Check	Down Button	ENG	[0 to 1 / 0 / 1]
6-606-026	Stacker2 Input Check	Jam Button	ENG	[0 to 1 / 0 / 1]
6-606-027	Stacker2 Input Check	Top Door SW	ENG	[0 to 1 / 0 / 1]
6-606-028	Stacker2 Input Check	Front Door SW	ENG	[0 to 1 / 0 / 1]
6-607-001	Stacker2 Output Check	Entrance Motor/Fan2	ENG	[0 to 1 / 0 / 1]
6-607-002	Stacker2 Output Check	Proof Tray Exit Motor	ENG	[0 to 1 / 0 / 1]
6-607-003	Stacker2 Output Check	Shift Exit Motor	ENG	[0 to 1 / 0 / 1]
6-607-004	Stacker2 Output Check	Transport Motor	ENG	[0 to 1 / 0 / 1]
6-607-005	Stacker2 Output Check	Shift JG Motor	ENG	[0 to 1 / 0 / 1]
6-607-006	Stacker2 Output Check	Proof Tray JG Motor	ENG	[0 to 1 / 0 / 1]
6-607-007	Stacker2 Output Check	Shift Motor	ENG	[0 to 1 / 0 / 1]
6-607-	Stacker2 Output Check	Front Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
6-607-009	Stacker2 Output Check	Rear Jogger Fence Motor	ENG	[0 to 1 / 0 / 1]
6-607-010	Stacker2 Output Check	Jogger Fence Retraction Motor	ENG	[0 to 1 / 0 / 1]
6-607-011	Stacker2 Output Check	LE Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-607-012	Stacker2 Output Check	Sub Jogger Motor	ENG	[0 to 1 / 0 / 1]
6-607-013	Stacker2 Output Check	Tray Lift Motor	ENG	[0 to 1 / 0 / 1]
6-607-014	Stacker2 Output Check	Front Door Lock SOL	ENG	[0 to 1 / 0 / 1]
6-607-015	Stacker2 Output Check	Fan1	ENG	[0 to 1 / 0 / 1]
6-607-016	Stacker2 Output Check	Tray Full LED	ENG	[0 to 1 / 0 / 1]
6-607-017	Stacker2 Output Check	Jam LED	ENG	[0 to 1 / 0 / 1]
6-607-018	Stacker2 Output Check	Jog In Progress LED	ENG	[0 to 1 / 0 / 1]
6-607-019	Stacker2 Output Check	Tray Lift LED	ENG	[0 to 1 / 0 / 1]
6-607-020	Stacker2 Output Check	Error LED	ENG	[0 to 1 / 0 / 1]
6-608-001	Jog Fence Adjust: Stacker2	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-002	Jog Fence Adjust: Stacker2	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-003	Jog Fence Adjust: Stacker2	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-004	Jog Fence Adjust: Stacker2	A4 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-005	Jog Fence Adjust: Stacker2	A5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-	Jog Fence Adjust: Stacker2	A5 LEF	ENG	[-20 to 20 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				0.1mm]
6-608-007	Jog Fence Adjust: Stacker2	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-008	Jog Fence Adjust: Stacker2	B5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-009	Jog Fence Adjust: Stacker2	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-010	Jog Fence Adjust: Stacker2	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-011	Jog Fence Adjust: Stacker2	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-012	Jog Fence Adjust: Stacker2	LT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-013	Jog Fence Adjust: Stacker2	HLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-014	Jog Fence Adjust: Stacker2	HLT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-608-015	Jog Fence Adjust: Stacker2	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-001	LE Stopper Adjust: Stacker2	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-002	LE Stopper Adjust: Stacker2	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-003	LE Stopper Adjust: Stacker2	A4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-004	LE Stopper Adjust: Stacker2	A4 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-005	LE Stopper Adjust: Stacker2	A5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-006	LE Stopper Adjust: Stacker2	A5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-007	LE Stopper Adjust: Stacker2	B5 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-008	LE Stopper Adjust: Stacker2	B5 LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-	LE Stopper Adjust: Stacker2	DLT SEF	ENG	[-20 to 20 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				0.1mm]
6-609-010	LE Stopper Adjust: Stacker2	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-011	LE Stopper Adjust: Stacker2	LT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-012	LE Stopper Adjust: Stacker2	LT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-013	LE Stopper Adjust: Stacker2	HLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-014	LE Stopper Adjust: Stacker2	HLT LEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-609-015	LE Stopper Adjust: Stacker2	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-610-001	SubJog Fence Adjust: Stacker2	A3 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-610-002	SubJog Fence Adjust: Stacker2	B4 SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-610-009	SubJog Fence Adjust: Stacker2	DLT SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-610-010	SubJog Fence Adjust: Stacker2	LG SEF	ENG	[-20 to 20 / 0 / 0.1mm]
6-610-015	SubJog Fence Adjust: Stacker2	Other	ENG	[-20 to 20 / 0 / 0.1mm]
6-612-001	Stacker1 Fan Setting		ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
6-613-001	Stacker2 Fan Setting		ENG	[0 to 1 / 0 / 1] 0: ON 1: OFF
6-614-001	Stacker On Not Appli. Paper		ENG	[0 to 1 / 0 / 1] 0: Invalid Inform 1: Valid Inform
6-650-001	Input Check: Trimmer	Entrance Sensor	ENG	[0 to 1 / 0 / 1]
6-650-002	Input Check: Trimmer	Stopper Sensor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-650-003	Input Check: Trimmer	Exit Sensor	ENG	[0 to 1 / 0 / 1]
6-650-004	Input Check: Trimmer	Booklet Sensor 1	ENG	[0 to 1 / 0 / 1]
6-650-005	Input Check: Trimmer	Booklet Sensor 2	ENG	[0 to 1 / 0 / 1]
6-650-006	Input Check: Trimmer	Booklet Sensor 3	ENG	[0 to 1 / 0 / 1]
6-650-007	Input Check: Trimmer	Trimming Blade HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-008	Input Check: Trimmer	Cut Position HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-009	Input Check: Trimmer	Press Roller HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-010	Input Check: Trimmer	Press Stopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-011	Input Check: Trimmer	Scrap Hopper Full HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-012	Input Check: Trimmer	Scrap Hopper HP Sensor	ENG	[0 to 1 / 0 / 1]
6-650-013	Input Check: Trimmer	Door Switch	ENG	[0 to 1 / 0 / 1]
6-651-001	Output Check: Trimmer	Entrance Motor	ENG	[0 to 1 / 0 / 1]
6-651-002	Output Check: Trimmer	Exit Motor	ENG	[0 to 1 / 0 / 1]
6-651-003	Output Check: Trimmer	Press Roller Motor	ENG	[0 to 1 / 0 / 1]
6-651-004	Output Check: Trimmer	Cut Position Motor	ENG	[0 to 1 / 0 / 1]
6-651-005	Output Check: Trimmer	Press Stopper Motor	ENG	[0 to 1 / 0 / 1]
6-651-006	Output Check: Trimmer	Tray Motor	ENG	[0 to 1 / 0 / 1]
6-651-007	Output Check: Trimmer	Trimming Blade Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-752-101	FM2 Equal 1/2:FineAdjFld(D615)	A3 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-102	FM2 Equal 1/2:FineAdjFld(D615)	B4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-103	FM2 Equal 1/2:FineAdjFld(D615)	A4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-104	FM2 Equal 1/2:FineAdjFld(D615)	DLT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-105	FM2 Equal 1/2:FineAdjFld(D615)	LG SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-106	FM2 Equal 1/2:FineAdjFld(D615)	LT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-107	FM2 Equal 1/2:FineAdjFld(D615)	12"x18" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-108	FM2 Equal 1/2:FineAdjFld(D615)	8-kai (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-109	FM2 Equal 1/2:FineAdjFld(D615)	B5 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-110	FM2 Equal 1/2:FineAdjFld(D615)	13"x19" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-111	FM2 Equal 1/2:FineAdjFld(D615)	13"x19.2" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-112	FM2 Equal 1/2:FineAdjFld(D615)	13"x18" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-113	FM2 Equal 1/2:FineAdjFld(D615)	12.6"x18.5" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-114	FM2 Equal 1/2:FineAdjFld(D615)	12.6"x19.2" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-115	FM2 Equal 1/2:FineAdjFld(D615)	SRA3 (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-116	FM2 Equal 1/2:FineAdjFld(D615)	SRA4 (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-117	FM2 Equal 1/2:FineAdjFld(D615)	226x310 (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-752-118	FM2 Equal 1/2:FineAdjFld(D615)	310x432 (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-752-119	FM2 Equal 1/2:FineAdjFld(D615)	Custom (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-753-101	FM3 Equal 3rds:Fine Adj 1st	B4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-753-102	FM3 Equal 3rds:Fine Adj 1st	A4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-753-103	FM3 Equal 3rds:Fine Adj 1st	LG SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-753-104	FM3 Equal 3rds:Fine Adj 1st	LT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-753-107	FM3 Equal 3rds:Fine Adj 1st	B5 SEF (Multi Sheet)	ENG	[-30 to 30 / 0 / 0.2mm]
6-753-108	FM3 Equal 3rds:Fine Adj 1st	Custom (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-754-101	FM3 Equal 3rds:Fine Adj 2nd	B4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-754-102	FM3 Equal 3rds:Fine Adj 2nd	A4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-754-103	FM3 Equal 3rds:Fine Adj 2nd	LG SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-754-104	FM3 Equal 3rds:Fine Adj 2nd	LT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-754-107	FM3 Equal 3rds:Fine Adj 2nd	B5 SEF (Multi Sheet)	ENG	[-30 to 30 / 0 / 0.2mm]
6-754-108	FM3 Equal 3rds:Fine Adj 2nd	Custom (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-101	FM4 3rds 1 Flap:Fine Adj 1st	A3 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-102	FM4 3rds 1 Flap:Fine Adj 1st	B4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-103	FM4 3rds 1 Flap:Fine Adj 1st	A4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-104	FM4 3rds 1 Flap:Fine Adj 1st	DLT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-105	FM4 3rds 1 Flap:Fine Adj 1st	LG SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-755-106	FM4 3rds 1 Flap:Fine Adj 1st	LT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-107	FM4 3rds 1 Flap:Fine Adj 1st	12"x18" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-108	FM4 3rds 1 Flap:Fine Adj 1st	8-kai (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-109	FM4 3rds 1 Flap:Fine Adj 1st	B5 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-755-110	FM4 3rds 1 Flap:Fine Adj 1st	Custom (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-101	FM4 3rds 1 Flap:Fine Adj 2nd	A3 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-102	FM4 3rds 1 Flap:Fine Adj 2nd	B4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-103	FM4 3rds 1 Flap:Fine Adj 2nd	A4 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-104	FM4 3rds 1 Flap:Fine Adj 2nd	DLT SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-105	FM4 3rds 1 Flap:Fine Adj 2nd	LG SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-106	FM4 3rds 1 Flap:Fine Adj 2nd	LT SEF (Multi Sheet)	ENG	[0 to 40 / 0 / 0.2mm]
6-756-107	FM4 3rds 1 Flap:Fine Adj 2nd	12"x18" (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-108	FM4 3rds 1 Flap:Fine Adj 2nd	8-kai (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-109	FM4 3rds 1 Flap:Fine Adj 2nd	B5 SEF (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-756-110	FM4 3rds 1 Flap:Fine Adj 2nd	Custom (Multi Sheet)	ENG	[-40 to 40 / 0 / 0.2mm]
6-762-001	Top Tray Full Set: Enable		ENG	[0 to 1 / 0 / 1] 0: Full Detection ON 1: Full Detection OFF
6-763-001	TopTray Full Set:Limit Output		ENG	[0 to 250 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-900-001	ADF Bottom Plate Setting		ENG	[0 to 1 / 0 / 1]
6-901-001	Version Up Additional Setting	All Setting Initialize	ENG	[0 to 1 / 0 / 1]

SP Group 6000 (Controller)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
6-800-001	Sheet Conversion (Thick Paper)	1 to 3 (Initial: 3 Sheets)	CTL	[1 to 3 / 2 / 1]
6-810-001	Ring Binding Thick Paper		CTL	[1 to 3 / 2 / 1]
6-830-001	Extra	Staples 0 to 50 (Initial:0)	CTL	[0 to 50 / 0 / 1]
6-830-002	Extra	Saddles 0 to 50 (Initial:0)	CTL	[0 to 50 / 0 / 1]
6-830-003	Extra	Half-Fold 0 to 50 (Initial:0)	CTL	[0 to 50 / 0 / 1]
6-830-004	Extra	Ring Binding 0 to 50 (Initial:0)	CTL	[0 to 50 / 0 / 1]
6-890-001	Function Enabled	Z-Fold 0:No Punch 1:Punching OK	CTL	[0 to 1 / 1 / 1]
6-890-002	Function Enabled	Staple 0:No Shift 1:Shift OK	CTL	[0 to 1 / 0 / 1]

SP Group 7000-01 (Engine)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-001-001	Engine Drive Distance Counter	Photo Conductor	ENG	[0 to 99999999 / 0 / 1m]
7-621-003	PM Counter	Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-005	PM Counter	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-006	PM Counter	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-007	PM Counter	Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-008	PM Counter	Coating Bar	ENG	[0 to 99999999 / 0 / 1]
7-621-009	PM Counter	Apply Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-010	PM Counter	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-011	PM Counter	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1]
7-621-012	PM Counter	Charger Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-013	PM Counter	Charger Grid	ENG	[0 to 99999999 / 0 / 1]
7-621-014	PM Counter	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1]
7-621-015	PM Counter	Cushion Corona Wire	ENG	[0 to 99999999 / 0 / 1]
7-621-016	PM Counter	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-621-017	PM Counter	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-621-018	PM Counter	Photo Conductor	ENG	[0 to 99999999 / 0 / 1]
7-621-019	PM Counter	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
7-621-021	PM Counter	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-022	PM Counter	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-023	PM Counter	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-024	PM Counter	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-621-025	PM Counter	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1]
7-621-026	PM Counter	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1]
7-621-027	PM Counter	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-028	PM Counter	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-621-029	PM Counter	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-621-030	PM Counter	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-031	PM Counter	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 / 1]
7-621-032	PM Counter	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-033	PM Counter	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-034	PM Counter	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-035	PM Counter	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-036	PM Counter	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-037	PM Counter	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
7-621-039	PM Counter	Web Roll	ENG	[0 to 99999999 / 0 / 1]
7-621-040	PM Counter	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-042	PM Counter	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 0 / 1]
7-621-043	PM Counter	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 0 / 1]
7-621-044	PM Counter	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 0 / 1]
7-621-050	PM Counter	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-051	PM Counter	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-052	PM Counter	Feed Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-053	PM Counter	Separation Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-054	PM Counter	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-055	PM Counter	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-056	PM Counter	Feed Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-057	PM Counter	Separation Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-058	PM Counter	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-059	PM Counter	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-621-060	PM Counter	Feed Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-621-061	PM Counter	Separation Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	#A3LCT Tray4 Roller	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
100		Assembly		
7-621-101	PM Counter	A3LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-102	PM Counter	A3LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-103	PM Counter	A3LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-104	PM Counter	#A3LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-105	PM Counter	A3LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-621-106	PM Counter	A3LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-621-107	PM Counter	A3LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-621-108	PM Counter	#A3LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-109	PM Counter	A3LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-110	PM Counter	A3LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-111	PM Counter	A3LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-112	PM Counter	#A4LCT Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-113	PM Counter	A4LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-114	PM Counter	A4LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-115	PM Counter	A4LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-621-116	PM Counter	#A4LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-117	PM Counter	A4LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	A4LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
118				
7-621-119	PM Counter	A4LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-621-120	PM Counter	#A4LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-121	PM Counter	A4LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-122	PM Counter	A4LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-123	PM Counter	A4LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-621-124	PM Counter	#Bypass Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-125	PM Counter	Bypass Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-126	PM Counter	Bypass Feed Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-127	PM Counter	Bypass Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-128	PM Counter	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-129	PM Counter	Pick-up Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-130	PM Counter	Feed Belt-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-131	PM Counter	Separation Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-621-132	PM Counter	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-621-133	PM Counter	Pick-up Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-134	PM Counter	Feed Belt-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-135	PM Counter	Separation Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	#ADF	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
136				
7-621-137	PM Counter	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-138	PM Counter	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-139	PM Counter	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-146	PM Counter	Trimming Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-147	PM Counter	Trimmings Catcher	ENG	[0 to 99999999 / 0 / 1]
7-621-148	PM Counter	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1]
7-621-149	PM Counter	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1]
7-621-151	PM Counter	Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-152	PM Counter	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1]
7-621-153	PM Counter	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1]
7-621-154	PM Counter	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1]
7-621-155	PM Counter	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1]
7-621-157	PM Counter	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1]
7-621-158	PM Counter	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1]
7-621-159	PM Counter	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1]
7-621-161	PM Counter	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1]
7-621-162	PM Counter	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Stack Rotate Press LED	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163		Harness		
7-621-165	PM Counter	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-621-166	PM Counter	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-621-167	PM Counter	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-621-169	PM Counter	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-621-170	PM Counter	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-621-171	PM Counter	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-621-173	PM Counter	Blade Cradle	ENG	[0 to 99999999 / 0 / 1]
7-621-174	PM Counter	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1]
7-621-175	PM Counter	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 0 / 1]
7-621-176	PM Counter	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-621-177	PM Counter	Jogger Motor	ENG	[0 to 99999999 / 0 / 1]
7-621-178	PM Counter	Main Grip Motor	ENG	[0 to 99999999 / 0 / 1]
7-621-179	PM Counter	Signature Thickness Sensor	ENG	[0 to 99999999 / 0 / 1]
7-621-180	PM Counter	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 0 / 1]
7-621-181	PM Counter	Trimmings Buffer Motor	ENG	[0 to 99999999 / 0 / 1]
7-621-182	PM Counter	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 0 / 1]
7-621-184	PM Counter	Ball Screw Unit	ENG	[0 to 99999999 / 0 / 1]
7-621-	PM Counter	Sign/Stacking Discharge	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
185		Brush		
7-621-186	PM Counter	Horizontal/Reg Discharge Brush	ENG	[0 to 99999999 / 0 / 1]
7-621-187	PM Counter	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 0 / 1]
7-621-188	PM Counter	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 0 / 1]
7-621-191	PM Counter	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-192	PM Counter	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-193	PM Counter	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-621-194	PM Counter	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-622-003	Reset	Development Unit	ENG	[0 to 1 / 0 / 1]
7-622-005	Reset	#Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-006	Reset	Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-007	Reset	Brush Roller	ENG	[0 to 1 / 0 / 1]
7-622-008	Reset	Coating Bar	ENG	[0 to 1 / 0 / 1]
7-622-009	Reset	Apply Blade	ENG	[0 to 1 / 0 / 1]
7-622-010	Reset	Joint:Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-011	Reset	Gear:Cleaning	ENG	[0 to 1 / 0 / 1]
7-622-012	Reset	Charger Unit	ENG	[0 to 1 / 0 / 1]
7-622-013	Reset	Charger Grid	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Corona Wire Charger	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
7-622-015	Reset	Cushion Corona Wire	ENG	[0 to 1 / 0 / 1]
7-622-016	Reset	Grid Cleaner Assay	ENG	[0 to 1 / 0 / 1]
7-622-017	Reset	Corotoron Wire Cleaner Assay	ENG	[0 to 1 / 0 / 1]
7-622-018	Reset	Photo Conductor	ENG	[0 to 1 / 0 / 1]
7-622-019	Reset	ITB (Intermediate Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-622-020	Reset	Transfer Roller:ITB	ENG	[0 to 1 / 0 / 1]
7-622-021	Reset	#ITB Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-022	Reset	ITB Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-023	Reset	ITB Lubricant Brush Roller	ENG	[0 to 1 / 0 / 1]
7-622-024	Reset	ITB Lubricant bar	ENG	[0 to 1 / 0 / 1]
7-622-025	Reset	ITB Lubricant blade	ENG	[0 to 1 / 0 / 1]
7-622-026	Reset	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 1 / 0 / 1]
7-622-027	Reset	PTR Lubricant Brush Roller	ENG	[0 to 1 / 0 / 1]
7-622-028	Reset	PTR Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-622-029	Reset	PTR Lubricant bar	ENG	[0 to 1 / 0 / 1]
7-622-030	Reset	Paper Transfer Discharge Unit	ENG	[0 to 1 / 0 / 1]
7-622-031	Reset	PTR (Paper Transfer Roller)	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Paper Transfer Bias Roller	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
7-622-033	Reset	#Fusing Unit	ENG	[0 to 1 / 0 / 1]
7-622-034	Reset	Fusing Belt	ENG	[0 to 1 / 0 / 1]
7-622-035	Reset	Hot Roller	ENG	[0 to 1 / 0 / 1]
7-622-036	Reset	Pressure Roller	ENG	[0 to 1 / 0 / 1]
7-622-037	Reset	Shaft Bearing:Press Roll	ENG	[0 to 1 / 0 / 1]
7-622-038	Reset	#Fusing Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-622-039	Reset	Web Roll	ENG	[0 to 1 / 0 / 1]
7-622-040	Reset	Web Cleaning Roller	ENG	[0 to 1 / 0 / 1]
7-622-042	Reset	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 1 / 0 / 1]
7-622-043	Reset	Dust Filter (Exhaust Duct 1)	ENG	[0 to 1 / 0 / 1]
7-622-044	Reset	Dust Filter (Exhaust Duct 2)	ENG	[0 to 1 / 0 / 1]
7-622-050	Reset	#Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-051	Reset	Pick-up Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-622-052	Reset	Feed Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-622-053	Reset	Separation Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-622-054	Reset	#Tray2 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-055	Reset	Pick-up Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Feed Roller-Tray2	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				
7-622-057	Reset	Separation Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-622-058	Reset	#Tray3 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-059	Reset	Pick-up Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-622-060	Reset	Feed Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-622-061	Reset	Separation Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-622-100	Reset	#A3LCT Tray4 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-101	Reset	A3LCT Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-102	Reset	A3LCT Feed Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-103	Reset	A3LCT Separation Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-104	Reset	#A3LCT Tray5 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-105	Reset	A3LCT Pick-up Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-106	Reset	A3LCT Feed Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-107	Reset	A3LCT Separation Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-108	Reset	#A3LCT Tray6 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-109	Reset	A3LCT Pick-up Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-110	Reset	A3LCT Feed Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-111	Reset	A3LCT Separation Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	#A4LCT Tray4 Roller	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
112		Assembly		
7-622-113	Reset	A4LCT Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-114	Reset	A4LCT Feed Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-115	Reset	A4LCT Separation Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-622-116	Reset	#A4LCT Tray5 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-117	Reset	A4LCT Pick-up Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-118	Reset	A4LCT Feed Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-119	Reset	A4LCT Separation Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-622-120	Reset	#A4LCT Tray6 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-121	Reset	A4LCT Pick-up Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-122	Reset	A4LCT Feed Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-123	Reset	A4LCT Separation Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-622-124	Reset	#Bypass Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-125	Reset	Bypass Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-622-126	Reset	Bypass Feed Roller	ENG	[0 to 1 / 0 / 1]
7-622-127	Reset	Bypass Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-128	Reset	#Inseter Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-129	Reset	Pick-up Roller-Inserter Tray1	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Feed Belt-Inserter Tray1	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
130				
7-622-131	Reset	Separation Roller-Inserter Tray1	ENG	[0 to 1 / 0 / 1]
7-622-132	Reset	#Inseter Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-622-133	Reset	Pick-up Roller-Inserter Tray2	ENG	[0 to 1 / 0 / 1]
7-622-134	Reset	Feed Belt-Inserter Tray2	ENG	[0 to 1 / 0 / 1]
7-622-135	Reset	Separation Roller-Inserter Tray2	ENG	[0 to 1 / 0 / 1]
7-622-136	Reset	#ADF	ENG	[0 to 1 / 0 / 1]
7-622-137	Reset	ADF Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-138	Reset	ADF Separation Roller	ENG	[0 to 1 / 0 / 1]
7-622-139	Reset	ADF Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-622-146	Reset	Trimming Unit	ENG	[0 to 1 / 0 / 1]
7-622-147	Reset	Trimmings Catcher	ENG	[0 to 1 / 0 / 1]
7-622-148	Reset	Rotation Clamp Pad	ENG	[0 to 1 / 0 / 1]
7-622-149	Reset	Stack Rotation Vibrating Plate	ENG	[0 to 1 / 0 / 1]
7-622-151	Reset	Switchback Roller	ENG	[0 to 1 / 0 / 1]
7-622-152	Reset	Ripple Idle Roller (Center)	ENG	[0 to 1 / 0 / 1]
7-622-153	Reset	Ripple Idle Rollers	ENG	[0 to 1 / 0 / 1]
7-622-154	Reset	TE Press Roller (large)	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	TE Press Roller (Small)	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
155				
7-622-157	Reset	Spine Fold Harness (right)	ENG	[0 to 1 / 0 / 1]
7-622-158	Reset	Spine Fold Harness (left)	ENG	[0 to 1 / 0 / 1]
7-622-159	Reset	Signature Transport Harness	ENG	[0 to 1 / 0 / 1]
7-622-161	Reset	Stack Rotation Up-down Harness	ENG	[0 to 1 / 0 / 1]
7-622-162	Reset	Stack Rotation Grip Harness	ENG	[0 to 1 / 0 / 1]
7-622-163	Reset	Stack Rotate Press LED Harness	ENG	[0 to 1 / 0 / 1]
7-622-165	Reset	Pick-up Roller Upper	ENG	[0 to 1 / 0 / 1]
7-622-166	Reset	Separation Roller Upper	ENG	[0 to 1 / 0 / 1]
7-622-167	Reset	Feed Roller Upper	ENG	[0 to 1 / 0 / 1]
7-622-169	Reset	Pick-up Roller Lower	ENG	[0 to 1 / 0 / 1]
7-622-170	Reset	Separation Roller Lower	ENG	[0 to 1 / 0 / 1]
7-622-171	Reset	Feed Roller Lower	ENG	[0 to 1 / 0 / 1]
7-622-173	Reset	Blade Cradle	ENG	[0 to 1 / 0 / 1]
7-622-174	Reset	Switchback Torque Limiter	ENG	[0 to 1 / 0 / 1]
7-622-175	Reset	Deodorant Filter (Upper&Lower)	ENG	[0 to 1 / 0 / 1]
7-622-176	Reset	Cover Feed Switchback Roller	ENG	[0 to 1 / 0 / 1]
7-622-177	Reset	Jogger Motor	ENG	[0 to 1 / 0 / 1]
7-622-	Reset	Main Grip Motor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
7-622-179	Reset	Signature Thickness Sensor	ENG	[0 to 1 / 0 / 1]
7-622-180	Reset	Signature Rotate Torque Diode	ENG	[0 to 1 / 0 / 1]
7-622-181	Reset	Trimmings Buffer Motor	ENG	[0 to 1 / 0 / 1]
7-622-182	Reset	Signature Press Trq Lmt Clutch	ENG	[0 to 1 / 0 / 1]
7-622-184	Reset	Ball Screw Unit	ENG	[0 to 1 / 0 / 1]
7-622-185	Reset	Sign/Stacking Discharge Brush	ENG	[0 to 1 / 0 / 1]
7-622-186	Reset	Horizontal/Reg Discharge Brush	ENG	[0 to 1 / 0 / 1]
7-622-187	Reset	Booklet Stack Drawer Connector	ENG	[0 to 1 / 0 / 1]
7-622-188	Reset	Edge Press Plate Sproket Ass'y	ENG	[0 to 1 / 0 / 1]
7-622-191	Reset	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-192	Reset	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-193	Reset	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-622-194	Reset	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-623-003	Standard Value	Development Unit	ENG	[0 to 99999999 / 860000 / 1]
7-623-005	Standard Value	#Cleaning Unit	ENG	[0 to 99999999 / 600000 / 1]
7-623-006	Standard Value	Cleaning Blade	ENG	[0 to 99999999 / 600000 / 1]
7-623-007	Standard Value	Brush Roller	ENG	[0 to 99999999 / 600000 / 1]
7-623-	Standard Value	Coating Bar	ENG	[0 to 99999999 / 600000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				1]
7-623-009	Standard Value	Apply Blade	ENG	[0 to 99999999 / 600000 / 1]
7-623-010	Standard Value	Joint:Cleaning Unit	ENG	[0 to 99999999 / 600000 / 1]
7-623-011	Standard Value	Gear:Cleaning	ENG	[0 to 99999999 / 1800000 / 1]
7-623-012	Standard Value	Charger Unit	ENG	[0 to 99999999 / 1000000 / 1]
7-623-013	Standard Value	Charger Grid	ENG	[0 to 99999999 / 1000000 / 1]
7-623-014	Standard Value	Corona Wire Charger	ENG	[0 to 99999999 / 1000000 / 1]
7-623-015	Standard Value	Cushion Corona Wire	ENG	[0 to 99999999 / 1000000 / 1]
7-623-016	Standard Value	Grid Cleaner Assay	ENG	[0 to 99999999 / 1000000 / 1]
7-623-017	Standard Value	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 1000000 / 1]
7-623-018	Standard Value	Photo Conductor	ENG	[0 to 99999999 / 2500000 / 1]
7-623-019	Standard Value	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 2400000 / 1]
7-623-020	Standard Value	Transfer Roller:ITB	ENG	[0 to 99999999 / 1350000 / 1]
7-623-021	Standard Value	#ITB Cleaning Unit	ENG	[0 to 99999999 / 600000 / 1]
7-623-022	Standard Value	ITB Cleaning Blade	ENG	[0 to 99999999 / 600000 / 1]
7-623-023	Standard Value	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 600000 / 1]
7-623-024	Standard Value	ITB Lubricant bar	ENG	[0 to 99999999 / 600000 / 1]
7-623-025	Standard Value	ITB Lubricant blade	ENG	[0 to 99999999 / 600000 / 1]
7-623-	Standard Value	#PTR Unit(Paper Transfer	ENG	[0 to 99999999 / 600000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026		Unit)		1]
7-623-027	Standard Value	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 600000 / 1]
7-623-028	Standard Value	PTR Cleaning Blade	ENG	[0 to 99999999 / 600000 / 1]
7-623-029	Standard Value	PTR Lubricant bar	ENG	[0 to 99999999 / 600000 / 1]
7-623-030	Standard Value	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 600000 / 1]
7-623-031	Standard Value	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 800000 / 1]
7-623-032	Standard Value	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 1350000 / 1]
7-623-033	Standard Value	#Fusing Unit	ENG	[0 to 99999999 / 1100000 / 1]
7-623-034	Standard Value	Fusing Belt	ENG	[0 to 99999999 / 1100000 / 1]
7-623-035	Standard Value	Hot Roller	ENG	[0 to 99999999 / 1800000 / 1]
7-623-036	Standard Value	Pressure Roller	ENG	[0 to 99999999 / 1100000 / 1]
7-623-037	Standard Value	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 1100000 / 1]
7-623-038	Standard Value	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 750000 / 1]
7-623-039	Standard Value	Web Roll	ENG	[0 to 99999999 / 750000 / 1]
7-623-040	Standard Value	Web Cleaning Roller	ENG	[0 to 99999999 / 3190000 / 1]
7-623-042	Standard Value	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 1200000 / 1]
7-623-043	Standard Value	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 600000 / 1]
7-623-044	Standard Value	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 600000 / 1]
7-623-	Standard Value	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 1000000

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				/ 1]
7-623-051	Standard Value	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 1000000 / 1]
7-623-052	Standard Value	Feed Roller-Tray1	ENG	[0 to 99999999 / 1000000 / 1]
7-623-053	Standard Value	Separation Roller-Tray1	ENG	[0 to 99999999 / 1000000 / 1]
7-623-054	Standard Value	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-055	Standard Value	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 1000000 / 1]
7-623-056	Standard Value	Feed Roller-Tray2	ENG	[0 to 99999999 / 1000000 / 1]
7-623-057	Standard Value	Separation Roller-Tray2	ENG	[0 to 99999999 / 1000000 / 1]
7-623-058	Standard Value	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-059	Standard Value	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 1000000 / 1]
7-623-060	Standard Value	Feed Roller-Tray3	ENG	[0 to 99999999 / 1000000 / 1]
7-623-061	Standard Value	Separation Roller-Tray3	ENG	[0 to 99999999 / 1000000 / 1]
7-623-100	Standard Value	#A3LCT Tray4 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-101	Standard Value	A3LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-102	Standard Value	A3LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-103	Standard Value	A3LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-104	Standard Value	#A3LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-105	Standard Value	A3LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 1000000 / 1]
7-623-	Standard Value	A3LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 1000000

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				/ 1]
7-623-107	Standard Value	A3LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 1000000 / 1]
7-623-108	Standard Value	#A3LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-109	Standard Value	A3LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-110	Standard Value	A3LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-111	Standard Value	A3LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-112	Standard Value	#A4LCT Tray4 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-113	Standard Value	A4LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-114	Standard Value	A4LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-115	Standard Value	A4LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 1000000 / 1]
7-623-116	Standard Value	#A4LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-117	Standard Value	A4LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 1000000 / 1]
7-623-118	Standard Value	A4LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 1000000 / 1]
7-623-119	Standard Value	A4LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 1000000 / 1]
7-623-120	Standard Value	#A4LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 1000000 / 1]
7-623-121	Standard Value	A4LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-122	Standard Value	A4LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-123	Standard Value	A4LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 1000000 / 1]
7-623-	Standard Value	#Bypass Roller Assembly	ENG	[0 to 99999999 / 1000000

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				/ 1]
7-623-125	Standard Value	Bypass Pick-up Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-126	Standard Value	Bypass Feed Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-127	Standard Value	Bypass Separation Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-128	Standard Value	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 60000 / 1]
7-623-129	Standard Value	Pick-up Roller-Inserter Tray1	ENG	[0 to 99999999 / 60000 / 1]
7-623-130	Standard Value	Feed Belt-Inserter Tray1	ENG	[0 to 99999999 / 60000 / 1]
7-623-131	Standard Value	Separation Roller-Inserter Tray1	ENG	[0 to 99999999 / 60000 / 1]
7-623-132	Standard Value	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 60000 / 1]
7-623-133	Standard Value	Pick-up Roller-Inserter Tray2	ENG	[0 to 99999999 / 60000 / 1]
7-623-134	Standard Value	Feed Belt-Inserter Tray2	ENG	[0 to 99999999 / 60000 / 1]
7-623-135	Standard Value	Separation Roller-Inserter Tray2	ENG	[0 to 99999999 / 60000 / 1]
7-623-136	Standard Value	#ADF	ENG	[0 to 99999999 / 120000 / 1]
7-623-137	Standard Value	ADF Feed Belt	ENG	[0 to 99999999 / 120000 / 1]
7-623-138	Standard Value	ADF Separation Roller	ENG	[0 to 99999999 / 120000 / 1]
7-623-139	Standard Value	ADF Pick-up Roller	ENG	[0 to 99999999 / 120000 / 1]
7-623-146	Standard Value	Trimming Unit	ENG	[0 to 99999999 / 40000 / 1]
7-623-147	Standard Value	Trimmings Catcher	ENG	[0 to 99999999 / 40000 / 1]
7-623-	Standard Value	Rotation Clamp Pad	ENG	[0 to 99999999 / 40000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
148				1]
7-623-149	Standard Value	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 40000 / 1]
7-623-151	Standard Value	Switchback Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-152	Standard Value	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-153	Standard Value	Ripple Idle Rollers	ENG	[0 to 99999999 / 1000000 / 1]
7-623-154	Standard Value	TE Press Roller (large)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-155	Standard Value	TE Press Roller (Small)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-157	Standard Value	Spine Fold Harness (right)	ENG	[0 to 99999999 / 120000 / 1]
7-623-158	Standard Value	Spine Fold Harness (left)	ENG	[0 to 99999999 / 120000 / 1]
7-623-159	Standard Value	Signature Transport Harness	ENG	[0 to 99999999 / 120000 / 1]
7-623-161	Standard Value	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 120000 / 1]
7-623-162	Standard Value	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 120000 / 1]
7-623-163	Standard Value	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 120000 / 1]
7-623-165	Standard Value	Pick-up Roller Upper	ENG	[0 to 99999999 / 100000 / 1]
7-623-166	Standard Value	Separation Roller Upper	ENG	[0 to 99999999 / 100000 / 1]
7-623-167	Standard Value	Feed Roller Upper	ENG	[0 to 99999999 / 100000 / 1]
7-623-169	Standard Value	Pick-up Roller Lower	ENG	[0 to 99999999 / 100000 / 1]
7-623-170	Standard Value	Separation Roller Lower	ENG	[0 to 99999999 / 100000 / 1]
7-623-	Standard Value	Feed Roller Lower	ENG	[0 to 99999999 / 100000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
171				1]
7-623-173	Standard Value	Blade Cradle	ENG	[0 to 99999999 / 5500 / 1]
7-623-174	Standard Value	Switchback Torque Limiter	ENG	[0 to 99999999 / 1000000 / 1]
7-623-175	Standard Value	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 1000000 / 1]
7-623-176	Standard Value	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 1000000 / 1]
7-623-177	Standard Value	Jogger Motor	ENG	[0 to 99999999 / 15000000 / 1]
7-623-178	Standard Value	Main Grip Motor	ENG	[0 to 99999999 / 100000 / 1]
7-623-179	Standard Value	Signature Thickness Sensor	ENG	[0 to 99999999 / 50000 / 1]
7-623-180	Standard Value	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 50000 / 1]
7-623-181	Standard Value	Trimmings Buffer Motor	ENG	[0 to 99999999 / 50000 / 1]
7-623-182	Standard Value	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 50000 / 1]
7-623-184	Standard Value	Ball Screw Unit	ENG	[0 to 99999999 / 200000 / 1]
7-623-185	Standard Value	Sign/Stacking Discharge Brush	ENG	[0 to 99999999 / 2000000 / 1]
7-623-186	Standard Value	Horizontal/Reg Discharge Brush	ENG	[0 to 99999999 / 2000000 / 1]
7-623-187	Standard Value	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 20000 / 1]
7-623-188	Standard Value	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 150000 / 1]
7-623-191	Standard Value	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1]
7-623-192	Standard Value	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1]
7-623-	Standard Value	#2-Tray LCT:Tray 3:Feed	ENG	[0 to 99999999 / 7000000

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
193		Belt		/ 1]
7-623-194	Standard Value	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 99999999 / 7000000 / 1]
7-625-003	Pg Count History:Latest 1	Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-005	Pg Count History:Latest 1	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-006	Pg Count History:Latest 1	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-007	Pg Count History:Latest 1	Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-008	Pg Count History:Latest 1	Coating Bar	ENG	[0 to 99999999 / 0 / 1]
7-625-009	Pg Count History:Latest 1	Apply Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-010	Pg Count History:Latest 1	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-011	Pg Count History:Latest 1	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1]
7-625-012	Pg Count History:Latest 1	Charger Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-013	Pg Count History:Latest 1	Charger Grid	ENG	[0 to 99999999 / 0 / 1]
7-625-014	Pg Count History:Latest 1	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1]
7-625-015	Pg Count History:Latest 1	Cushion Corona Wire	ENG	[0 to 99999999 / 0 / 1]
7-625-016	Pg Count History:Latest 1	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-625-017	Pg Count History:Latest 1	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-625-018	Pg Count History:Latest 1	Photo Conductor	ENG	[0 to 99999999 / 0 / 1]
7-625-019	Pg Count History:Latest 1	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
7-625-021	Pg Count History:Latest 1	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-022	Pg Count History:Latest 1	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-023	Pg Count History:Latest 1	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-024	Pg Count History:Latest 1	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-625-025	Pg Count History:Latest 1	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1]
7-625-026	Pg Count History:Latest 1	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1]
7-625-027	Pg Count History:Latest 1	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-028	Pg Count History:Latest 1	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-625-029	Pg Count History:Latest 1	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-625-030	Pg Count History:Latest 1	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-031	Pg Count History:Latest 1	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 / 1]
7-625-032	Pg Count History:Latest 1	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-033	Pg Count History:Latest 1	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-034	Pg Count History:Latest 1	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-035	Pg Count History:Latest 1	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-036	Pg Count History:Latest 1	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-037	Pg Count History:Latest 1	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
7-625-039	Pg Count History:Latest 1	Web Roll	ENG	[0 to 99999999 / 0 / 1]
7-625-040	Pg Count History:Latest 1	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-042	Pg Count History:Latest 1	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 0 / 1]
7-625-043	Pg Count History:Latest 1	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 0 / 1]
7-625-044	Pg Count History:Latest 1	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 0 / 1]
7-625-050	Pg Count History:Latest 1	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-051	Pg Count History:Latest 1	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-052	Pg Count History:Latest 1	Feed Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-053	Pg Count History:Latest 1	Separation Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-054	Pg Count History:Latest 1	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-055	Pg Count History:Latest 1	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-056	Pg Count History:Latest 1	Feed Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-057	Pg Count History:Latest 1	Separation Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-058	Pg Count History:Latest 1	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-059	Pg Count History:Latest 1	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-625-060	Pg Count History:Latest 1	Feed Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-625-061	Pg Count History:Latest 1	Separation Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	#A3LCT Tray4 Roller	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
100		Assembly		
7-625-101	Pg Count History:Latest 1	A3LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-102	Pg Count History:Latest 1	A3LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-103	Pg Count History:Latest 1	A3LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-104	Pg Count History:Latest 1	#A3LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-105	Pg Count History:Latest 1	A3LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-625-106	Pg Count History:Latest 1	A3LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-625-107	Pg Count History:Latest 1	A3LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-625-108	Pg Count History:Latest 1	#A3LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-109	Pg Count History:Latest 1	A3LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-110	Pg Count History:Latest 1	A3LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-111	Pg Count History:Latest 1	A3LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-112	Pg Count History:Latest 1	#A4LCT Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-113	Pg Count History:Latest 1	A4LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-114	Pg Count History:Latest 1	A4LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-115	Pg Count History:Latest 1	A4LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-625-116	Pg Count History:Latest 1	#A4LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-117	Pg Count History:Latest 1	A4LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	A4LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
118				
7-625-119	Pg Count History:Latest 1	A4LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-625-120	Pg Count History:Latest 1	#A4LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-121	Pg Count History:Latest 1	A4LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-122	Pg Count History:Latest 1	A4LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-123	Pg Count History:Latest 1	A4LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-625-124	Pg Count History:Latest 1	#Bypass Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-125	Pg Count History:Latest 1	Bypass Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-126	Pg Count History:Latest 1	Bypass Feed Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-127	Pg Count History:Latest 1	Bypass Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-128	Pg Count History:Latest 1	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-129	Pg Count History:Latest 1	Pick-up Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-130	Pg Count History:Latest 1	Feed Belt-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-131	Pg Count History:Latest 1	Separation Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-625-132	Pg Count History:Latest 1	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-625-133	Pg Count History:Latest 1	Pick-up Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-134	Pg Count History:Latest 1	Feed Belt-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-135	Pg Count History:Latest 1	Separation Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	#ADF	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
136				
7-625-137	Pg Count History:Latest 1	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-138	Pg Count History:Latest 1	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-139	Pg Count History:Latest 1	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-146	Pg Count History:Latest 1	Trimming Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-147	Pg Count History:Latest 1	Trimmings Catcher	ENG	[0 to 99999999 / 0 / 1]
7-625-148	Pg Count History:Latest 1	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1]
7-625-149	Pg Count History:Latest 1	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1]
7-625-151	Pg Count History:Latest 1	Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-152	Pg Count History:Latest 1	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1]
7-625-153	Pg Count History:Latest 1	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1]
7-625-154	Pg Count History:Latest 1	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1]
7-625-155	Pg Count History:Latest 1	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1]
7-625-157	Pg Count History:Latest 1	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1]
7-625-158	Pg Count History:Latest 1	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1]
7-625-159	Pg Count History:Latest 1	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1]
7-625-161	Pg Count History:Latest 1	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1]
7-625-162	Pg Count History:Latest 1	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Stack Rotate Press LED	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163		Harness		
7-625-165	Pg Count History:Latest 1	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-625-166	Pg Count History:Latest 1	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-625-167	Pg Count History:Latest 1	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-625-169	Pg Count History:Latest 1	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-625-170	Pg Count History:Latest 1	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-625-171	Pg Count History:Latest 1	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-625-173	Pg Count History:Latest 1	Blade Cradle	ENG	[0 to 99999999 / 0 / 1]
7-625-174	Pg Count History:Latest 1	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1]
7-625-175	Pg Count History:Latest 1	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 0 / 1]
7-625-176	Pg Count History:Latest 1	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-625-177	Pg Count History:Latest 1	Jogger Motor	ENG	[0 to 99999999 / 0 / 1]
7-625-178	Pg Count History:Latest 1	Main Grip Motor	ENG	[0 to 99999999 / 0 / 1]
7-625-179	Pg Count History:Latest 1	Signature Thickness Sensor	ENG	[0 to 99999999 / 0 / 1]
7-625-180	Pg Count History:Latest 1	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 0 / 1]
7-625-181	Pg Count History:Latest 1	Trimmings Buffer Motor	ENG	[0 to 99999999 / 0 / 1]
7-625-182	Pg Count History:Latest 1	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 0 / 1]
7-625-184	Pg Count History:Latest 1	Ball Screw Unit	ENG	[0 to 99999999 / 0 / 1]
7-625-	Pg Count History:Latest 1	Sign/Stacking Discharge	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
185		Brush		
7-625-186	Pg Count History:Latest 1	Horizontal/Reg Discharge Brush	ENG	[0 to 99999999 / 0 / 1]
7-625-187	Pg Count History:Latest 1	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 0 / 1]
7-625-188	Pg Count History:Latest 1	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 0 / 1]
7-625-191	Pg Count History:Latest 1	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-192	Pg Count History:Latest 1	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-193	Pg Count History:Latest 1	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-625-194	Pg Count History:Latest 1	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-003	Pg Count History:Latest 2	Development Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-005	Pg Count History:Latest 2	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-006	Pg Count History:Latest 2	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-007	Pg Count History:Latest 2	Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-008	Pg Count History:Latest 2	Coating Bar	ENG	[0 to 99999999 / 0 / 1]
7-626-009	Pg Count History:Latest 2	Apply Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-010	Pg Count History:Latest 2	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-011	Pg Count History:Latest 2	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1]
7-626-012	Pg Count History:Latest 2	Charger Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-013	Pg Count History:Latest 2	Charger Grid	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
7-626-015	Pg Count History:Latest 2	Cushion Corona Wire	ENG	[0 to 99999999 / 0 / 1]
7-626-016	Pg Count History:Latest 2	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-626-017	Pg Count History:Latest 2	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1]
7-626-018	Pg Count History:Latest 2	Photo Conductor	ENG	[0 to 99999999 / 0 / 1]
7-626-019	Pg Count History:Latest 2	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 0 / 1]
7-626-020	Pg Count History:Latest 2	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1]
7-626-021	Pg Count History:Latest 2	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-022	Pg Count History:Latest 2	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-023	Pg Count History:Latest 2	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-024	Pg Count History:Latest 2	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-626-025	Pg Count History:Latest 2	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1]
7-626-026	Pg Count History:Latest 2	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1]
7-626-027	Pg Count History:Latest 2	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-028	Pg Count History:Latest 2	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1]
7-626-029	Pg Count History:Latest 2	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1]
7-626-030	Pg Count History:Latest 2	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-031	Pg Count History:Latest 2	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
7-626-033	Pg Count History:Latest 2	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-034	Pg Count History:Latest 2	Fusing Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-035	Pg Count History:Latest 2	Hot Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-036	Pg Count History:Latest 2	Pressure Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-037	Pg Count History:Latest 2	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1]
7-626-038	Pg Count History:Latest 2	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-039	Pg Count History:Latest 2	Web Roll	ENG	[0 to 99999999 / 0 / 1]
7-626-040	Pg Count History:Latest 2	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-042	Pg Count History:Latest 2	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 0 / 1]
7-626-043	Pg Count History:Latest 2	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 0 / 1]
7-626-044	Pg Count History:Latest 2	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 0 / 1]
7-626-050	Pg Count History:Latest 2	#Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-051	Pg Count History:Latest 2	Pick-up Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-052	Pg Count History:Latest 2	Feed Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-053	Pg Count History:Latest 2	Separation Roller-Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-054	Pg Count History:Latest 2	#Tray2 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-055	Pg Count History:Latest 2	Pick-up Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Feed Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				
7-626-057	Pg Count History:Latest 2	Separation Roller-Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-058	Pg Count History:Latest 2	#Tray3 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-059	Pg Count History:Latest 2	Pick-up Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-626-060	Pg Count History:Latest 2	Feed Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-626-061	Pg Count History:Latest 2	Separation Roller-Tray3	ENG	[0 to 99999999 / 0 / 1]
7-626-100	Pg Count History:Latest 2	#A3LCT Tray4 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-101	Pg Count History:Latest 2	A3LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-102	Pg Count History:Latest 2	A3LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-103	Pg Count History:Latest 2	A3LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-104	Pg Count History:Latest 2	#A3LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-105	Pg Count History:Latest 2	A3LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-106	Pg Count History:Latest 2	A3LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-107	Pg Count History:Latest 2	A3LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-108	Pg Count History:Latest 2	#A3LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-109	Pg Count History:Latest 2	A3LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-110	Pg Count History:Latest 2	A3LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-111	Pg Count History:Latest 2	A3LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	#A4LCT Tray4 Roller	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
112		Assembly		
7-626-113	Pg Count History:Latest 2	A4LCT Pick-up Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-114	Pg Count History:Latest 2	A4LCT Feed Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-115	Pg Count History:Latest 2	A4LCT Separation Roller-Tray4	ENG	[0 to 99999999 / 0 / 1]
7-626-116	Pg Count History:Latest 2	#A4LCT Tray5 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-117	Pg Count History:Latest 2	A4LCT Pick-up Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-118	Pg Count History:Latest 2	A4LCT Feed Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-119	Pg Count History:Latest 2	A4LCT Separation Roller-Tray5	ENG	[0 to 99999999 / 0 / 1]
7-626-120	Pg Count History:Latest 2	#A4LCT Tray6 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-121	Pg Count History:Latest 2	A4LCT Pick-up Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-122	Pg Count History:Latest 2	A4LCT Feed Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-123	Pg Count History:Latest 2	A4LCT Separation Roller-Tray6	ENG	[0 to 99999999 / 0 / 1]
7-626-124	Pg Count History:Latest 2	#Bypass Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-125	Pg Count History:Latest 2	Bypass Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-126	Pg Count History:Latest 2	Bypass Feed Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-127	Pg Count History:Latest 2	Bypass Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-128	Pg Count History:Latest 2	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-129	Pg Count History:Latest 2	Pick-up Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Feed Belt-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
130				
7-626-131	Pg Count History:Latest 2	Separation Roller-Inserter Tray1	ENG	[0 to 99999999 / 0 / 1]
7-626-132	Pg Count History:Latest 2	#Inseter Tray1 Roller Assembly	ENG	[0 to 99999999 / 0 / 1]
7-626-133	Pg Count History:Latest 2	Pick-up Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-134	Pg Count History:Latest 2	Feed Belt-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-135	Pg Count History:Latest 2	Separation Roller-Inserter Tray2	ENG	[0 to 99999999 / 0 / 1]
7-626-136	Pg Count History:Latest 2	#ADF	ENG	[0 to 99999999 / 0 / 1]
7-626-137	Pg Count History:Latest 2	ADF Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-138	Pg Count History:Latest 2	ADF Separation Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-139	Pg Count History:Latest 2	ADF Pick-up Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-146	Pg Count History:Latest 2	Trimming Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-147	Pg Count History:Latest 2	Trimmings Catcher	ENG	[0 to 99999999 / 0 / 1]
7-626-148	Pg Count History:Latest 2	Rotation Clamp Pad	ENG	[0 to 99999999 / 0 / 1]
7-626-149	Pg Count History:Latest 2	Stack Rotation Vibrating Plate	ENG	[0 to 99999999 / 0 / 1]
7-626-151	Pg Count History:Latest 2	Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-152	Pg Count History:Latest 2	Ripple Idle Roller (Center)	ENG	[0 to 99999999 / 0 / 1]
7-626-153	Pg Count History:Latest 2	Ripple Idle Rollers	ENG	[0 to 99999999 / 0 / 1]
7-626-154	Pg Count History:Latest 2	TE Press Roller (large)	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	TE Press Roller (Small)	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
155				
7-626-157	Pg Count History:Latest 2	Spine Fold Harness (right)	ENG	[0 to 99999999 / 0 / 1]
7-626-158	Pg Count History:Latest 2	Spine Fold Harness (left)	ENG	[0 to 99999999 / 0 / 1]
7-626-159	Pg Count History:Latest 2	Signature Transport Harness	ENG	[0 to 99999999 / 0 / 1]
7-626-161	Pg Count History:Latest 2	Stack Rotation Up-down Harness	ENG	[0 to 99999999 / 0 / 1]
7-626-162	Pg Count History:Latest 2	Stack Rotation Grip Harness	ENG	[0 to 99999999 / 0 / 1]
7-626-163	Pg Count History:Latest 2	Stack Rotate Press LED Harness	ENG	[0 to 99999999 / 0 / 1]
7-626-165	Pg Count History:Latest 2	Pick-up Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-626-166	Pg Count History:Latest 2	Separation Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-626-167	Pg Count History:Latest 2	Feed Roller Upper	ENG	[0 to 99999999 / 0 / 1]
7-626-169	Pg Count History:Latest 2	Pick-up Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-626-170	Pg Count History:Latest 2	Separation Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-626-171	Pg Count History:Latest 2	Feed Roller Lower	ENG	[0 to 99999999 / 0 / 1]
7-626-173	Pg Count History:Latest 2	Blade Cradle	ENG	[0 to 99999999 / 0 / 1]
7-626-174	Pg Count History:Latest 2	Switchback Torque Limiter	ENG	[0 to 99999999 / 0 / 1]
7-626-175	Pg Count History:Latest 2	Deodorant Filter (Upper&Lower)	ENG	[0 to 99999999 / 0 / 1]
7-626-176	Pg Count History:Latest 2	Cover Feed Switchback Roller	ENG	[0 to 99999999 / 0 / 1]
7-626-177	Pg Count History:Latest 2	Jogger Motor	ENG	[0 to 99999999 / 0 / 1]
7-626-	Pg Count History:Latest 2	Main Grip Motor	ENG	[0 to 99999999 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
7-626-179	Pg Count History:Latest 2	Signature Thickness Sensor	ENG	[0 to 99999999 / 0 / 1]
7-626-180	Pg Count History:Latest 2	Signature Rotate Torque Diode	ENG	[0 to 99999999 / 0 / 1]
7-626-181	Pg Count History:Latest 2	Trimmings Buffer Motor	ENG	[0 to 99999999 / 0 / 1]
7-626-182	Pg Count History:Latest 2	Signature Press Trq Lmt Clutch	ENG	[0 to 99999999 / 0 / 1]
7-626-184	Pg Count History:Latest 2	Ball Screw Unit	ENG	[0 to 99999999 / 0 / 1]
7-626-185	Pg Count History:Latest 2	Sign/Stacking Discharge Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-186	Pg Count History:Latest 2	Horizontal/Reg Discharge Brush	ENG	[0 to 99999999 / 0 / 1]
7-626-187	Pg Count History:Latest 2	Booklet Stack Drawer Connector	ENG	[0 to 99999999 / 0 / 1]
7-626-188	Pg Count History:Latest 2	Edge Press Plate Sproket Ass'y	ENG	[0 to 99999999 / 0 / 1]
7-626-191	Pg Count History:Latest 2	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-192	Pg Count History:Latest 2	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-193	Pg Count History:Latest 2	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-626-194	Pg Count History:Latest 2	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 99999999 / 0 / 1]
7-628-001	Clear PM Counter	Clear Exceeded Counts	ENG	[0 to 1 / 0 / 1]
7-628-002	Clear PM Counter	Reset All Counts	ENG	[0 to 1 / 0 / 1]
7-801-002	ROM No.	Engine	ENG	[0 to 0 / 0 / 0]
7-801-005	ROM No.	ADF	ENG	[0 to 0 / 0 / 0]
7-801-	ROM No.	Finisher1	ENG	[0 to 0 / 0 / 0]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
7-801-008	ROM No.	Finisher2	ENG	[0 to 0 / 0 / 0]
7-801-010	ROM No.	LCT1	ENG	[0 to 0 / 0 / 0]
7-801-020	ROM No.	Cover Interposer	ENG	[0 to 0 / 0 / 0]
7-801-025	ROM No.	Folding Unit	ENG	[0 to 0 / 0 / 0]
7-801-028	ROM No.	LCT2	ENG	[0 to 0 / 0 / 0]
7-801-029	ROM No.	RingBinder Main	ENG	[0 to 0 / 0 / 0]
7-801-030	ROM No.	RingBinder Sub	ENG	[0 to 0 / 0 / 0]
7-801-031	ROM No.	P-Binder_Relay	ENG	[0 to 0 / 0 / 0]
7-801-032	ROM No.	P-Binder_Master	ENG	[0 to 0 / 0 / 0]
7-801-033	ROM No.	P-Binder_Insert	ENG	[0 to 0 / 0 / 0]
7-801-034	ROM No.	P-Binder_Slave	ENG	[0 to 0 / 0 / 0]
7-801-035	ROM No.	P-Binder_Cutter	ENG	[0 to 0 / 0 / 0]
7-801-036	ROM No.	Stacker	ENG	[0 to 0 / 0 / 0]
7-801-037	ROM No.	Stacker 2	ENG	[0 to 0 / 0 / 0]
7-801-044	ROM No.	External Option Interface	ENG	[0 to 0 / 0 / 0]
7-801-102	Firmware Version	Engine	ENG	[0 to 0 / 0 / 0]
7-801-105	Firmware Version	ADF	ENG	[0 to 0 / 0 / 0]
7-801-	Firmware Version	Finisher1	ENG	[0 to 0 / 0 / 0]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107				
7-801-108	Firmware Version	Finisher2	ENG	[0 to 0 / 0 / 0]
7-801-110	Firmware Version	LCT1	ENG	[0 to 0 / 0 / 0]
7-801-120	Firmware Version	Cover Interposer	ENG	[0 to 0 / 0 / 0]
7-801-125	Firmware Version	Folding Unit	ENG	[0 to 0 / 0 / 0]
7-801-128	Firmware Version	LCT2	ENG	[0 to 0 / 0 / 0]
7-801-129	Firmware Version	RingBinder Main	ENG	[0 to 0 / 0 / 0]
7-801-130	Firmware Version	RingBinder Sub	ENG	[0 to 0 / 0 / 0]
7-801-131	Firmware Version	P-Binder_Relay	ENG	[0 to 0 / 0 / 0]
7-801-132	Firmware Version	P-Binder_Master	ENG	[0 to 0 / 0 / 0]
7-801-133	Firmware Version	P-Binder_Insert	ENG	[0 to 0 / 0 / 0]
7-801-134	Firmware Version	P-Binder_Slave	ENG	[0 to 0 / 0 / 0]
7-801-135	Firmware Version	P-Binder_Cutter	ENG	[0 to 0 / 0 / 0]
7-801-136	Firmware Version	Stacker	ENG	[0 to 0 / 0 / 0]
7-801-137	Firmware Version	Stacker 2	ENG	[0 to 0 / 0 / 0]
7-801-144	Firmware Version	External Option Interface	ENG	[0 to 0 / 0 / 0]
7-852-001	DF Glass Dust Check	Dust Detection Counter	ENG	[0 to 65535 / 0 / 1]
7-852-002	DF Glass Dust Check	Dust Counter Clear Counter	ENG	[0 to 65535 / 0 / 1]
7-852-	DF Glass Dust Check	Dust Detection Counter:	ENG	[0 to 65535 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003		Back		
7-940-003	Drive Distance:End Std Value	Development Unit	ENG	[0 to 99999999 / 309000 / 1m]
7-940-005	Drive Distance:End Std Value	#Cleaning Unit	ENG	[0 to 99999999 / 235000 / 1m]
7-940-006	Drive Distance:End Std Value	Cleaning Blade	ENG	[0 to 99999999 / 235000 / 1m]
7-940-007	Drive Distance:End Std Value	Brush Roller	ENG	[0 to 99999999 / 235000 / 1m]
7-940-008	Drive Distance:End Std Value	Coating Bar	ENG	[0 to 99999999 / 235000 / 1m]
7-940-009	Drive Distance:End Std Value	Apply Blade	ENG	[0 to 99999999 / 235000 / 1m]
7-940-010	Drive Distance:End Std Value	Joint:Cleaning Unit	ENG	[0 to 99999999 / 235000 / 1m]
7-940-011	Drive Distance:End Std Value	Gear:Cleaning	ENG	[0 to 99999999 / 704000 / 1m]
7-940-012	Drive Distance:End Std Value	Charger Unit	ENG	[0 to 99999999 / 391000 / 1m]
7-940-013	Drive Distance:End Std Value	Charger Grid	ENG	[0 to 99999999 / 391000 / 1m]
7-940-014	Drive Distance:End Std Value	Corona Wire Charger	ENG	[0 to 99999999 / 391000 / 1m]
7-940-015	Drive Distance:End Std Value	Cushion Corona Wire	ENG	[0 to 99999999 / 391000 / 1m]
7-940-016	Drive Distance:End Std Value	Grid Cleaner Assay	ENG	[0 to 99999999 / 391000 / 1m]
7-940-017	Drive Distance:End Std Value	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 391000 / 1m]
7-940-018	Drive Distance:End Std Value	Photo Conductor	ENG	[0 to 99999999 / 978000 / 1m]
7-940-019	Drive Distance:End Std Value	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 939000 / 1m]
7-940-020	Drive Distance:End Std Value	Transfer Roller:ITB	ENG	[0 to 99999999 / 528000 / 1m]
7-940-	Drive Distance:End Std	#ITB Cleaning Unit	ENG	[0 to 99999999 / 235000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021	Value			1m]
7-940-022	Drive Distance:End Std Value	ITB Cleaning Blade	ENG	[0 to 99999999 / 235000 / 1m]
7-940-023	Drive Distance:End Std Value	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 235000 / 1m]
7-940-024	Drive Distance:End Std Value	ITB Lubricant bar	ENG	[0 to 99999999 / 235000 / 1m]
7-940-025	Drive Distance:End Std Value	ITB Lubricant blade	ENG	[0 to 99999999 / 235000 / 1m]
7-940-026	Drive Distance:End Std Value	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 235000 / 1m]
7-940-027	Drive Distance:End Std Value	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 235000 / 1m]
7-940-028	Drive Distance:End Std Value	PTR Cleaning Blade	ENG	[0 to 99999999 / 235000 / 1m]
7-940-029	Drive Distance:End Std Value	PTR Lubricant bar	ENG	[0 to 99999999 / 235000 / 1m]
7-940-030	Drive Distance:End Std Value	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 235000 / 1m]
7-940-031	Drive Distance:End Std Value	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 313000 / 1m]
7-940-032	Drive Distance:End Std Value	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 528000 / 1m]
7-940-033	Drive Distance:End Std Value	#Fusing Unit	ENG	[0 to 99999999 / 935000 / 1m]
7-940-034	Drive Distance:End Std Value	Fusing Belt	ENG	[0 to 99999999 / 935000 / 1m]
7-940-035	Drive Distance:End Std Value	Hot Roller	ENG	[0 to 99999999 / 1530000 / 1m]
7-940-036	Drive Distance:End Std Value	Pressure Roller	ENG	[0 to 99999999 / 935000 / 1m]
7-940-037	Drive Distance:End Std Value	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 935000 / 1m]
7-940-038	Drive Distance:End Std Value	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 638000 / 1m]
7-940-	Drive Distance:End Std	Web Roll	ENG	[0 to 99999999 / 638000 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
039	Value			1m]
7-940-040	Drive Distance:End Std Value	Web Cleaning Roller	ENG	[0 to 99999999 / 2712000 / 1m]
7-942-003	Drive Distance % Counter	Development Unit	ENG	[0 to 255 / 0 / 1%]
7-942-005	Drive Distance % Counter	#Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-942-006	Drive Distance % Counter	Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-007	Drive Distance % Counter	Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-942-008	Drive Distance % Counter	Coating Bar	ENG	[0 to 255 / 0 / 1%]
7-942-009	Drive Distance % Counter	Apply Blade	ENG	[0 to 255 / 0 / 1%]
7-942-010	Drive Distance % Counter	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-942-011	Drive Distance % Counter	Gear:Cleaning	ENG	[0 to 255 / 0 / 1%]
7-942-012	Drive Distance % Counter	Charger Unit	ENG	[0 to 255 / 0 / 1%]
7-942-013	Drive Distance % Counter	Charger Grid	ENG	[0 to 255 / 0 / 1%]
7-942-014	Drive Distance % Counter	Corona Wire Charger	ENG	[0 to 255 / 0 / 1%]
7-942-015	Drive Distance % Counter	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1%]
7-942-016	Drive Distance % Counter	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1%]
7-942-017	Drive Distance % Counter	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1%]
7-942-018	Drive Distance % Counter	Photo Conductor	ENG	[0 to 255 / 0 / 1%]
7-942-019	Drive Distance % Counter	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance % Counter	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
7-942-021	Drive Distance % Counter	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-942-022	Drive Distance % Counter	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-023	Drive Distance % Counter	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-942-024	Drive Distance % Counter	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1%]
7-942-025	Drive Distance % Counter	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1%]
7-942-026	Drive Distance % Counter	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1%]
7-942-027	Drive Distance % Counter	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-942-028	Drive Distance % Counter	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-942-029	Drive Distance % Counter	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1%]
7-942-030	Drive Distance % Counter	Paper Transfer Discharge Unit	ENG	[0 to 255 / 0 / 1%]
7-942-031	Drive Distance % Counter	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1%]
7-942-032	Drive Distance % Counter	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1%]
7-942-033	Drive Distance % Counter	#Fusing Unit	ENG	[0 to 255 / 0 / 1%]
7-942-034	Drive Distance % Counter	Fusing Belt	ENG	[0 to 255 / 0 / 1%]
7-942-035	Drive Distance % Counter	Hot Roller	ENG	[0 to 255 / 0 / 1%]
7-942-036	Drive Distance % Counter	Pressure Roller	ENG	[0 to 255 / 0 / 1%]
7-942-037	Drive Distance % Counter	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1%]
7-942-	Drive Distance % Counter	#Fusing Cleaning Unit	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				
7-942-039	Drive Distance % Counter	Web Roll	ENG	[0 to 255 / 0 / 1%]
7-942-040	Drive Distance % Counter	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1%]
7-944-003	Drive Distance Counter	Development Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-005	Drive Distance Counter	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-006	Drive Distance Counter	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-007	Drive Distance Counter	Brush Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-008	Drive Distance Counter	Coating Bar	ENG	[0 to 99999999 / 0 / 1m]
7-944-009	Drive Distance Counter	Apply Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-010	Drive Distance Counter	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-011	Drive Distance Counter	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1m]
7-944-012	Drive Distance Counter	Charger Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-013	Drive Distance Counter	Charger Grid	ENG	[0 to 99999999 / 0 / 1m]
7-944-014	Drive Distance Counter	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1m]
7-944-015	Drive Distance Counter	Cushion Corona Wire	ENG	[0 to 99999999 / 0 / 1m]
7-944-016	Drive Distance Counter	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1m]
7-944-017	Drive Distance Counter	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1m]
7-944-018	Drive Distance Counter	Photo Conductor	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Drive Distance Counter	ITB (Intermediate Transfer	ENG	[0 to 99999999 / 0 / 1m]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019		Belt)		
7-944-020	Drive Distance Counter	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1m]
7-944-021	Drive Distance Counter	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-022	Drive Distance Counter	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-023	Drive Distance Counter	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-024	Drive Distance Counter	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1m]
7-944-025	Drive Distance Counter	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-026	Drive Distance Counter	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1m]
7-944-027	Drive Distance Counter	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-028	Drive Distance Counter	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1m]
7-944-029	Drive Distance Counter	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1m]
7-944-030	Drive Distance Counter	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-031	Drive Distance Counter	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 / 1m]
7-944-032	Drive Distance Counter	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-033	Drive Distance Counter	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-034	Drive Distance Counter	Fusing Belt	ENG	[0 to 99999999 / 0 / 1m]
7-944-035	Drive Distance Counter	Hot Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-036	Drive Distance Counter	Pressure Roller	ENG	[0 to 99999999 / 0 / 1m]
7-944-	Drive Distance Counter	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1m]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
037				
7-944-038	Drive Distance Counter	#Fusing Cleaning Unit	ENG	[0 to 99999999 / 0 / 1m]
7-944-039	Drive Distance Counter	Web Roll	ENG	[0 to 99999999 / 0 / 1m]
7-944-040	Drive Distance Counter	Web Cleaning Roller	ENG	[0 to 99999999 / 0 / 1m]
7-950-003	Replacement Date	Development Unit	ENG	[0 to 1 / 0 / 1]
7-950-005	Replacement Date	#Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-950-006	Replacement Date	Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-007	Replacement Date	Brush Roller	ENG	[0 to 1 / 0 / 1]
7-950-008	Replacement Date	Coating Bar	ENG	[0 to 1 / 0 / 1]
7-950-009	Replacement Date	Apply Blade	ENG	[0 to 1 / 0 / 1]
7-950-010	Replacement Date	Joint:Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-950-011	Replacement Date	Gear:Cleaning	ENG	[0 to 1 / 0 / 1]
7-950-012	Replacement Date	Charger Unit	ENG	[0 to 1 / 0 / 1]
7-950-013	Replacement Date	Charger Grid	ENG	[0 to 1 / 0 / 1]
7-950-014	Replacement Date	Corona Wire Charger	ENG	[0 to 1 / 0 / 1]
7-950-015	Replacement Date	Cushion Corona Wire	ENG	[0 to 1 / 0 / 1]
7-950-016	Replacement Date	Grid Cleaner Assay	ENG	[0 to 1 / 0 / 1]
7-950-017	Replacement Date	Corotoron Wire Cleaner Assay	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Photo Conductor	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
018				
7-950-019	Replacement Date	ITB (Intermediate Transfer Belt)	ENG	[0 to 1 / 0 / 1]
7-950-020	Replacement Date	Transfer Roller:ITB	ENG	[0 to 1 / 0 / 1]
7-950-021	Replacement Date	#ITB Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-950-022	Replacement Date	ITB Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-023	Replacement Date	ITB Lubricant Brush Roller	ENG	[0 to 1 / 0 / 1]
7-950-024	Replacement Date	ITB Lubricant bar	ENG	[0 to 1 / 0 / 1]
7-950-025	Replacement Date	ITB Lubricant blade	ENG	[0 to 1 / 0 / 1]
7-950-026	Replacement Date	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 1 / 0 / 1]
7-950-027	Replacement Date	PTR Lubricant Brush Roller	ENG	[0 to 1 / 0 / 1]
7-950-028	Replacement Date	PTR Cleaning Blade	ENG	[0 to 1 / 0 / 1]
7-950-029	Replacement Date	PTR Lubricant bar	ENG	[0 to 1 / 0 / 1]
7-950-030	Replacement Date	Paper Transfer Discharge Unit	ENG	[0 to 1 / 0 / 1]
7-950-031	Replacement Date	PTR (Paper Transfer Roller)	ENG	[0 to 1 / 0 / 1]
7-950-032	Replacement Date	Paper Transfer Bias Roller	ENG	[0 to 1 / 0 / 1]
7-950-033	Replacement Date	#Fusing Unit	ENG	[0 to 1 / 0 / 1]
7-950-034	Replacement Date	Fusing Belt	ENG	[0 to 1 / 0 / 1]
7-950-035	Replacement Date	Hot Roller	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Pressure Roller	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
036				
7-950-037	Replacement Date	Shaft Bearing:Press Roll	ENG	[0 to 1 / 0 / 1]
7-950-038	Replacement Date	#Fusing Cleaning Unit	ENG	[0 to 1 / 0 / 1]
7-950-039	Replacement Date	Web Roll	ENG	[0 to 1 / 0 / 1]
7-950-040	Replacement Date	Web Cleaning Roller	ENG	[0 to 1 / 0 / 1]
7-950-042	Replacement Date	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 1 / 0 / 1]
7-950-043	Replacement Date	Dust Filter (Exhaust Duct 1)	ENG	[0 to 1 / 0 / 1]
7-950-044	Replacement Date	Dust Filter (Exhaust Duct 2)	ENG	[0 to 1 / 0 / 1]
7-950-050	Replacement Date	#Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-051	Replacement Date	Pick-up Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-950-052	Replacement Date	Feed Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-950-053	Replacement Date	Separation Roller-Tray1	ENG	[0 to 1 / 0 / 1]
7-950-054	Replacement Date	#Tray2 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-055	Replacement Date	Pick-up Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-950-056	Replacement Date	Feed Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-950-057	Replacement Date	Separation Roller-Tray2	ENG	[0 to 1 / 0 / 1]
7-950-058	Replacement Date	#Tray3 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-059	Replacement Date	Pick-up Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Feed Roller-Tray3	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060				
7-950-061	Replacement Date	Separation Roller-Tray3	ENG	[0 to 1 / 0 / 1]
7-950-100	Replacement Date	#A3LCT Tray4 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-101	Replacement Date	A3LCT Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-102	Replacement Date	A3LCT Feed Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-103	Replacement Date	A3LCT Separation Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-104	Replacement Date	#A3LCT Tray5 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-105	Replacement Date	A3LCT Pick-up Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-106	Replacement Date	A3LCT Feed Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-107	Replacement Date	A3LCT Separation Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-108	Replacement Date	#A3LCT Tray6 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-109	Replacement Date	A3LCT Pick-up Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-110	Replacement Date	A3LCT Feed Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-111	Replacement Date	A3LCT Separation Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-112	Replacement Date	#A4LCT Tray4 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-113	Replacement Date	A4LCT Pick-up Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-114	Replacement Date	A4LCT Feed Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-115	Replacement Date	A4LCT Separation Roller-Tray4	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	#A4LCT Tray5 Roller	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
116		Assembly		
7-950-117	Replacement Date	A4LCT Pick-up Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-118	Replacement Date	A4LCT Feed Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-119	Replacement Date	A4LCT Separation Roller-Tray5	ENG	[0 to 1 / 0 / 1]
7-950-120	Replacement Date	#A4LCT Tray6 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-121	Replacement Date	A4LCT Pick-up Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-122	Replacement Date	A4LCT Feed Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-123	Replacement Date	A4LCT Separation Roller-Tray6	ENG	[0 to 1 / 0 / 1]
7-950-124	Replacement Date	#Bypass Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-125	Replacement Date	Bypass Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-950-126	Replacement Date	Bypass Feed Roller	ENG	[0 to 1 / 0 / 1]
7-950-127	Replacement Date	Bypass Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-128	Replacement Date	#Inseter Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-129	Replacement Date	Pick-up Roller-Inserter Tray1	ENG	[0 to 1 / 0 / 1]
7-950-130	Replacement Date	Feed Belt-Inserter Tray1	ENG	[0 to 1 / 0 / 1]
7-950-131	Replacement Date	Separation Roller-Inserter Tray1	ENG	[0 to 1 / 0 / 1]
7-950-132	Replacement Date	#Inseter Tray1 Roller Assembly	ENG	[0 to 1 / 0 / 1]
7-950-133	Replacement Date	Pick-up Roller-Inserter Tray2	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Feed Belt-Inserter Tray2	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
134				
7-950-135	Replacement Date	Separation Roller-Inserter Tray2	ENG	[0 to 1 / 0 / 1]
7-950-136	Replacement Date	#ADF	ENG	[0 to 1 / 0 / 1]
7-950-137	Replacement Date	ADF Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-138	Replacement Date	ADF Separation Roller	ENG	[0 to 1 / 0 / 1]
7-950-139	Replacement Date	ADF Pick-up Roller	ENG	[0 to 1 / 0 / 1]
7-950-146	Replacement Date	Trimming Unit	ENG	[0 to 1 / 0 / 1]
7-950-147	Replacement Date	Trimmings Catcher	ENG	[0 to 1 / 0 / 1]
7-950-148	Replacement Date	Rotation Clamp Pad	ENG	[0 to 1 / 0 / 1]
7-950-149	Replacement Date	Stack Rotation Vibrating Plate	ENG	[0 to 1 / 0 / 1]
7-950-151	Replacement Date	Switchback Roller	ENG	[0 to 1 / 0 / 1]
7-950-152	Replacement Date	Ripple Idle Roller (Center)	ENG	[0 to 1 / 0 / 1]
7-950-153	Replacement Date	Ripple Idle Rollers	ENG	[0 to 1 / 0 / 1]
7-950-154	Replacement Date	TE Press Roller (large)	ENG	[0 to 1 / 0 / 1]
7-950-155	Replacement Date	TE Press Roller (Small)	ENG	[0 to 1 / 0 / 1]
7-950-157	Replacement Date	Spine Fold Harness (right)	ENG	[0 to 1 / 0 / 1]
7-950-158	Replacement Date	Spine Fold Harness (left)	ENG	[0 to 1 / 0 / 1]
7-950-159	Replacement Date	Signature Transport Harness	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Stack Rotation Up-down	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
161		Harness		
7-950-162	Replacement Date	Stack Rotation Grip Harness	ENG	[0 to 1 / 0 / 1]
7-950-163	Replacement Date	Stack Rotate Press LED Harness	ENG	[0 to 1 / 0 / 1]
7-950-165	Replacement Date	Pick-up Roller Upper	ENG	[0 to 1 / 0 / 1]
7-950-166	Replacement Date	Separation Roller Upper	ENG	[0 to 1 / 0 / 1]
7-950-167	Replacement Date	Feed Roller Upper	ENG	[0 to 1 / 0 / 1]
7-950-169	Replacement Date	Pick-up Roller Lower	ENG	[0 to 1 / 0 / 1]
7-950-170	Replacement Date	Separation Roller Lower	ENG	[0 to 1 / 0 / 1]
7-950-171	Replacement Date	Feed Roller Lower	ENG	[0 to 1 / 0 / 1]
7-950-173	Replacement Date	Blade Cradle	ENG	[0 to 1 / 0 / 1]
7-950-174	Replacement Date	Switchback Torque Limiter	ENG	[0 to 1 / 0 / 1]
7-950-175	Replacement Date	Deodorant Filter (Upper&Lower)	ENG	[0 to 1 / 0 / 1]
7-950-176	Replacement Date	Cover Feed Switchback Roller	ENG	[0 to 1 / 0 / 1]
7-950-177	Replacement Date	Jogger Motor	ENG	[0 to 1 / 0 / 1]
7-950-178	Replacement Date	Main Grip Motor	ENG	[0 to 1 / 0 / 1]
7-950-179	Replacement Date	Signature Thickness Sensor	ENG	[0 to 1 / 0 / 1]
7-950-180	Replacement Date	Signature Rotate Torque Diode	ENG	[0 to 1 / 0 / 1]
7-950-181	Replacement Date	Trimmings Buffer Motor	ENG	[0 to 1 / 0 / 1]
7-950-	Replacement Date	Signature Press Trq Lmt	ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
182		Clutch		
7-950-184	Replacement Date	Ball Screw Unit	ENG	[0 to 1 / 0 / 1]
7-950-185	Replacement Date	Sign/Stacking Discharge Brush	ENG	[0 to 1 / 0 / 1]
7-950-186	Replacement Date	Horizontal/Reg Discharge Brush	ENG	[0 to 1 / 0 / 1]
7-950-187	Replacement Date	Booklet Stack Drawer Connector	ENG	[0 to 1 / 0 / 1]
7-950-188	Replacement Date	Edge Press Plate Sproket Ass'y	ENG	[0 to 1 / 0 / 1]
7-950-191	Replacement Date	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-192	Replacement Date	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-193	Replacement Date	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-950-194	Replacement Date	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 1 / 0 / 1]
7-951-003	Remain Day Counter: Pages	Development Unit	ENG	[0 to 255 / 0 / 1days]
7-951-005	Remain Day Counter: Pages	#Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-951-006	Remain Day Counter: Pages	Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-951-007	Remain Day Counter: Pages	Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-951-008	Remain Day Counter: Pages	Coating Bar	ENG	[0 to 255 / 0 / 1days]
7-951-009	Remain Day Counter: Pages	Apply Blade	ENG	[0 to 255 / 0 / 1days]
7-951-010	Remain Day Counter: Pages	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-951-011	Remain Day Counter: Pages	Gear:Cleaning	ENG	[0 to 255 / 0 / 1days]
7-951-	Remain Day Counter:	Charger Unit	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Pages			
7-951-013	Remain Day Counter: Pages	Charger Grid	ENG	[0 to 255 / 0 / 1days]
7-951-014	Remain Day Counter: Pages	Corona Wire Charger	ENG	[0 to 255 / 0 / 1days]
7-951-015	Remain Day Counter: Pages	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1days]
7-951-016	Remain Day Counter: Pages	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-951-017	Remain Day Counter: Pages	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-951-018	Remain Day Counter: Pages	Photo Conductor	ENG	[0 to 255 / 0 / 1days]
7-951-019	Remain Day Counter: Pages	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1days]
7-951-020	Remain Day Counter: Pages	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1days]
7-951-021	Remain Day Counter: Pages	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-951-022	Remain Day Counter: Pages	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-951-023	Remain Day Counter: Pages	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-951-024	Remain Day Counter: Pages	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1days]
7-951-025	Remain Day Counter: Pages	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1days]
7-951-026	Remain Day Counter: Pages	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1days]
7-951-027	Remain Day Counter: Pages	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-951-028	Remain Day Counter: Pages	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-951-029	Remain Day Counter: Pages	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1days]
7-951-	Remain Day Counter:	Paper Transfer Discharge	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030	Pages	Unit		
7-951-031	Remain Day Counter: Pages	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1days]
7-951-032	Remain Day Counter: Pages	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1days]
7-951-033	Remain Day Counter: Pages	#Fusing Unit	ENG	[0 to 255 / 0 / 1days]
7-951-034	Remain Day Counter: Pages	Fusing Belt	ENG	[0 to 255 / 0 / 1days]
7-951-035	Remain Day Counter: Pages	Hot Roller	ENG	[0 to 255 / 0 / 1days]
7-951-036	Remain Day Counter: Pages	Pressure Roller	ENG	[0 to 255 / 0 / 1days]
7-951-037	Remain Day Counter: Pages	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1days]
7-951-042	Remain Day Counter: Pages	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 255 / 0 / 1days]
7-951-043	Remain Day Counter: Pages	Dust Filter (Exhaust Duct 1)	ENG	[0 to 255 / 0 / 1days]
7-951-044	Remain Day Counter: Pages	Dust Filter (Exhaust Duct 2)	ENG	[0 to 255 / 0 / 1days]
7-952-003	Remain Day Counter: Distance	Development Unit	ENG	[0 to 255 / 0 / 1days]
7-952-005	Remain Day Counter: Distance	#Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-952-006	Remain Day Counter: Distance	Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-952-007	Remain Day Counter: Distance	Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-952-008	Remain Day Counter: Distance	Coating Bar	ENG	[0 to 255 / 0 / 1days]
7-952-009	Remain Day Counter: Distance	Apply Blade	ENG	[0 to 255 / 0 / 1days]
7-952-010	Remain Day Counter: Distance	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-952-	Remain Day Counter:	Gear:Cleaning	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011	Distance			
7-952-012	Remain Day Counter: Distance	Charger Unit	ENG	[0 to 255 / 0 / 1days]
7-952-013	Remain Day Counter: Distance	Charger Grid	ENG	[0 to 255 / 0 / 1days]
7-952-014	Remain Day Counter: Distance	Corona Wire Charger	ENG	[0 to 255 / 0 / 1days]
7-952-015	Remain Day Counter: Distance	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1days]
7-952-016	Remain Day Counter: Distance	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-952-017	Remain Day Counter: Distance	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-952-018	Remain Day Counter: Distance	Photo Conductor	ENG	[0 to 255 / 0 / 1days]
7-952-019	Remain Day Counter: Distance	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1days]
7-952-020	Remain Day Counter: Distance	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1days]
7-952-021	Remain Day Counter: Distance	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-952-022	Remain Day Counter: Distance	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-952-023	Remain Day Counter: Distance	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-952-024	Remain Day Counter: Distance	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1days]
7-952-025	Remain Day Counter: Distance	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1days]
7-952-026	Remain Day Counter: Distance	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1days]
7-952-027	Remain Day Counter: Distance	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-952-028	Remain Day Counter: Distance	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-952-	Remain Day Counter:	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
029	Distance			
7-952-030	Remain Day Counter: Distance	Paper Transfer Discharge Unit	ENG	[0 to 255 / 0 / 1days]
7-952-031	Remain Day Counter: Distance	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1days]
7-952-032	Remain Day Counter: Distance	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1days]
7-952-033	Remain Day Counter: Distance	#Fusing Unit	ENG	[0 to 255 / 0 / 1days]
7-952-034	Remain Day Counter: Distance	Fusing Belt	ENG	[0 to 255 / 0 / 1days]
7-952-035	Remain Day Counter: Distance	Hot Roller	ENG	[0 to 255 / 0 / 1days]
7-952-036	Remain Day Counter: Distance	Pressure Roller	ENG	[0 to 255 / 0 / 1days]
7-952-037	Remain Day Counter: Distance	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1days]
7-952-038	Remain Day Counter: Distance	#Fusing Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-952-039	Remain Day Counter: Distance	Web Roll	ENG	[0 to 255 / 0 / 1days]
7-952-040	Remain Day Counter: Distance	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1days]

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No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-954-003	Pg Counter(%)	Development Unit	ENG	[0 to 255 / 0 / 1]
7-954-005	Pg Counter(%)	#Cleaning Unit	ENG	[0 to 255 / 0 / 1]
7-954-006	Pg Counter(%)	Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-007	Pg Counter(%)	Brush Roller	ENG	[0 to 255 / 0 / 1]
7-954-008	Pg Counter(%)	Coating Bar	ENG	[0 to 255 / 0 / 1]
7-954-009	Pg Counter(%)	Apply Blade	ENG	[0 to 255 / 0 / 1]
7-954-010	Pg Counter(%)	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1]
7-954-011	Pg Counter(%)	Gear:Cleaning	ENG	[0 to 255 / 0 / 1]
7-954-012	Pg Counter(%)	Charger Unit	ENG	[0 to 255 / 0 / 1]
7-954-013	Pg Counter(%)	Charger Grid	ENG	[0 to 255 / 0 / 1]
7-954-014	Pg Counter(%)	Corona Wire Charger	ENG	[0 to 255 / 0 / 1]
7-954-015	Pg Counter(%)	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1]
7-954-016	Pg Counter(%)	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1]
7-954-017	Pg Counter(%)	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1]
7-954-018	Pg Counter(%)	Photo Conductor	ENG	[0 to 255 / 0 / 1]
7-954-019	Pg Counter(%)	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1]
7-954-020	Pg Counter(%)	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
021				
7-954-022	Pg Counter(%)	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-023	Pg Counter(%)	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1]
7-954-024	Pg Counter(%)	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1]
7-954-025	Pg Counter(%)	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1]
7-954-026	Pg Counter(%)	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1]
7-954-027	Pg Counter(%)	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1]
7-954-028	Pg Counter(%)	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1]
7-954-029	Pg Counter(%)	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1]
7-954-030	Pg Counter(%)	Paper Transfer Discharge Unit	ENG	[0 to 255 / 0 / 1]
7-954-031	Pg Counter(%)	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1]
7-954-032	Pg Counter(%)	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1]
7-954-033	Pg Counter(%)	#Fusing Unit	ENG	[0 to 255 / 0 / 1]
7-954-034	Pg Counter(%)	Fusing Belt	ENG	[0 to 255 / 0 / 1]
7-954-035	Pg Counter(%)	Hot Roller	ENG	[0 to 255 / 0 / 1]
7-954-036	Pg Counter(%)	Pressure Roller	ENG	[0 to 255 / 0 / 1]
7-954-037	Pg Counter(%)	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1]
7-954-038	Pg Counter(%)	#Fusing Cleaning Unit	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Web Roll	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
039				
7-954-040	Pg Counter(%)	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1]
7-954-042	Pg Counter(%)	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 255 / 0 / 1]
7-954-043	Pg Counter(%)	Dust Filter (Exhaust Duct 1)	ENG	[0 to 255 / 0 / 1]
7-954-044	Pg Counter(%)	Dust Filter (Exhaust Duct 2)	ENG	[0 to 255 / 0 / 1]
7-954-050	Pg Counter(%)	#Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-051	Pg Counter(%)	Pick-up Roller-Tray1	ENG	[0 to 255 / 0 / 1]
7-954-052	Pg Counter(%)	Feed Roller-Tray1	ENG	[0 to 255 / 0 / 1]
7-954-053	Pg Counter(%)	Separation Roller-Tray1	ENG	[0 to 255 / 0 / 1]
7-954-054	Pg Counter(%)	#Tray2 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-055	Pg Counter(%)	Pick-up Roller-Tray2	ENG	[0 to 255 / 0 / 1]
7-954-056	Pg Counter(%)	Feed Roller-Tray2	ENG	[0 to 255 / 0 / 1]
7-954-057	Pg Counter(%)	Separation Roller-Tray2	ENG	[0 to 255 / 0 / 1]
7-954-058	Pg Counter(%)	#Tray3 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-059	Pg Counter(%)	Pick-up Roller-Tray3	ENG	[0 to 255 / 0 / 1]
7-954-060	Pg Counter(%)	Feed Roller-Tray3	ENG	[0 to 255 / 0 / 1]
7-954-061	Pg Counter(%)	Separation Roller-Tray3	ENG	[0 to 255 / 0 / 1]
7-954-100	Pg Counter(%)	#A3LCT Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	A3LCT Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
101				
7-954-102	Pg Counter(%)	A3LCT Feed Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-103	Pg Counter(%)	A3LCT Separation Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-104	Pg Counter(%)	#A3LCT Tray5 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-105	Pg Counter(%)	A3LCT Pick-up Roller-Tray5	ENG	[0 to 255 / 0 / 1]
7-954-106	Pg Counter(%)	A3LCT Feed Roller-Tray5	ENG	[0 to 255 / 0 / 1]
7-954-107	Pg Counter(%)	A3LCT Separation Roller-Tray5	ENG	[0 to 255 / 0 / 1]
7-954-108	Pg Counter(%)	#A3LCT Tray6 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-109	Pg Counter(%)	A3LCT Pick-up Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-110	Pg Counter(%)	A3LCT Feed Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-111	Pg Counter(%)	A3LCT Separation Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-112	Pg Counter(%)	#A4LCT Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-113	Pg Counter(%)	A4LCT Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-114	Pg Counter(%)	A4LCT Feed Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-115	Pg Counter(%)	A4LCT Separation Roller-Tray4	ENG	[0 to 255 / 0 / 1]
7-954-116	Pg Counter(%)	#A4LCT Tray5 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-117	Pg Counter(%)	A4LCT Pick-up Roller-Tray5	ENG	[0 to 255 / 0 / 1]
7-954-118	Pg Counter(%)	A4LCT Feed Roller-Tray5	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	A4LCT Separation Roller-	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
119		Tray5		
7-954-120	Pg Counter(%)	#A4LCT Tray6 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-121	Pg Counter(%)	A4LCT Pick-up Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-122	Pg Counter(%)	A4LCT Feed Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-123	Pg Counter(%)	A4LCT Separation Roller-Tray6	ENG	[0 to 255 / 0 / 1]
7-954-124	Pg Counter(%)	#Bypass Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-125	Pg Counter(%)	Bypass Pick-up Roller	ENG	[0 to 255 / 0 / 1]
7-954-126	Pg Counter(%)	Bypass Feed Roller	ENG	[0 to 255 / 0 / 1]
7-954-127	Pg Counter(%)	Bypass Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-128	Pg Counter(%)	#Inseter Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-129	Pg Counter(%)	Pick-up Roller-Inserter Tray1	ENG	[0 to 255 / 0 / 1]
7-954-130	Pg Counter(%)	Feed Belt-Inserter Tray1	ENG	[0 to 255 / 0 / 1]
7-954-131	Pg Counter(%)	Separation Roller-Inserter Tray1	ENG	[0 to 255 / 0 / 1]
7-954-132	Pg Counter(%)	#Inseter Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1]
7-954-133	Pg Counter(%)	Pick-up Roller-Inserter Tray2	ENG	[0 to 255 / 0 / 1]
7-954-134	Pg Counter(%)	Feed Belt-Inserter Tray2	ENG	[0 to 255 / 0 / 1]
7-954-135	Pg Counter(%)	Separation Roller-Inserter Tray2	ENG	[0 to 255 / 0 / 1]
7-954-136	Pg Counter(%)	#ADF	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	ADF Feed Belt	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
137				
7-954-138	Pg Counter(%)	ADF Separation Roller	ENG	[0 to 255 / 0 / 1]
7-954-139	Pg Counter(%)	ADF Pick-up Roller	ENG	[0 to 255 / 0 / 1]
7-954-146	Pg Counter(%)	Trimming Unit	ENG	[0 to 255 / 0 / 1]
7-954-147	Pg Counter(%)	Trimmings Catcher	ENG	[0 to 255 / 0 / 1]
7-954-148	Pg Counter(%)	Rotation Clamp Pad	ENG	[0 to 255 / 0 / 1]
7-954-149	Pg Counter(%)	Stack Rotation Vibrating Plate	ENG	[0 to 255 / 0 / 1]
7-954-151	Pg Counter(%)	Switchback Roller	ENG	[0 to 255 / 0 / 1]
7-954-152	Pg Counter(%)	Ripple Idle Roller (Center)	ENG	[0 to 255 / 0 / 1]
7-954-153	Pg Counter(%)	Ripple Idle Rollers	ENG	[0 to 255 / 0 / 1]
7-954-154	Pg Counter(%)	TE Press Roller (large)	ENG	[0 to 255 / 0 / 1]
7-954-155	Pg Counter(%)	TE Press Roller (Small)	ENG	[0 to 255 / 0 / 1]
7-954-157	Pg Counter(%)	Spine Fold Harness (right)	ENG	[0 to 255 / 0 / 1]
7-954-158	Pg Counter(%)	Spine Fold Harness (left)	ENG	[0 to 255 / 0 / 1]
7-954-159	Pg Counter(%)	Signature Transport Harness	ENG	[0 to 255 / 0 / 1]
7-954-161	Pg Counter(%)	Stack Rotation Up-down Harness	ENG	[0 to 255 / 0 / 1]
7-954-162	Pg Counter(%)	Stack Rotation Grip Harness	ENG	[0 to 255 / 0 / 1]
7-954-163	Pg Counter(%)	Stack Rotate Press LED Harness	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Pick-up Roller Upper	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
165				
7-954-166	Pg Counter(%)	Separation Roller Upper	ENG	[0 to 255 / 0 / 1]
7-954-167	Pg Counter(%)	Feed Roller Upper	ENG	[0 to 255 / 0 / 1]
7-954-169	Pg Counter(%)	Pick-up Roller Lower	ENG	[0 to 255 / 0 / 1]
7-954-170	Pg Counter(%)	Separation Roller Lower	ENG	[0 to 255 / 0 / 1]
7-954-171	Pg Counter(%)	Feed Roller Lower	ENG	[0 to 255 / 0 / 1]
7-954-173	Pg Counter(%)	Blade Cradle	ENG	[0 to 255 / 0 / 1]
7-954-174	Pg Counter(%)	Switchback Torque Limiter	ENG	[0 to 255 / 0 / 1]
7-954-175	Pg Counter(%)	Deodorant Filter (Upper&Lower)	ENG	[0 to 255 / 0 / 1]
7-954-176	Pg Counter(%)	Cover Feed Switchback Roller	ENG	[0 to 255 / 0 / 1]
7-954-177	Pg Counter(%)	Jogger Motor	ENG	[0 to 255 / 0 / 1]
7-954-178	Pg Counter(%)	Main Grip Motor	ENG	[0 to 255 / 0 / 1]
7-954-179	Pg Counter(%)	Signature Thickness Sensor	ENG	[0 to 255 / 0 / 1]
7-954-180	Pg Counter(%)	Signature Rotate Torque Diode	ENG	[0 to 255 / 0 / 1]
7-954-181	Pg Counter(%)	Trimmings Buffer Motor	ENG	[0 to 255 / 0 / 1]
7-954-182	Pg Counter(%)	Signature Press Trq Lmt Clutch	ENG	[0 to 255 / 0 / 1]
7-954-184	Pg Counter(%)	Ball Screw Unit	ENG	[0 to 255 / 0 / 1]
7-954-185	Pg Counter(%)	Sign/Stacking Discharge Brush	ENG	[0 to 255 / 0 / 1]
7-954-	Pg Counter(%)	Horizontal/Reg Discharge	ENG	[0 to 255 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
186		Brush		
7-954-187	Pg Counter(%)	Booklet Stack Drawer Connector	ENG	[0 to 255 / 0 / 1]
7-954-188	Pg Counter(%)	Edge Press Plate Sproket Ass'y	ENG	[0 to 255 / 0 / 1]
7-954-191	Pg Counter(%)	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-192	Pg Counter(%)	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-193	Pg Counter(%)	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-954-194	Pg Counter(%)	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 255 / 0 / 1]
7-955-003	Estimated Remain Pages	Development Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-005	Estimated Remain Pages	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-006	Estimated Remain Pages	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-007	Estimated Remain Pages	Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-008	Estimated Remain Pages	Coating Bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-009	Estimated Remain Pages	Apply Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-010	Estimated Remain Pages	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-011	Estimated Remain Pages	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-012	Estimated Remain Pages	Charger Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-013	Estimated Remain Pages	Charger Grid	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-014	Estimated Remain Pages	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-	Estimated Remain	Cushion Corona Wire	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	Pages			1sheet]
7-955-016	Estimated Remain Pages	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-017	Estimated Remain Pages	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-018	Estimated Remain Pages	Photo Conductor	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-019	Estimated Remain Pages	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-020	Estimated Remain Pages	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-021	Estimated Remain Pages	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-022	Estimated Remain Pages	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-023	Estimated Remain Pages	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-024	Estimated Remain Pages	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-025	Estimated Remain Pages	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-026	Estimated Remain Pages	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-027	Estimated Remain Pages	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-028	Estimated Remain Pages	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-029	Estimated Remain Pages	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-030	Estimated Remain Pages	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-031	Estimated Remain Pages	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-032	Estimated Remain Pages	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-	Estimated Remain	#Fusing Unit	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	Pages			1sheet]
7-955-034	Estimated Remain Pages	Fusing Belt	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-035	Estimated Remain Pages	Hot Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-036	Estimated Remain Pages	Pressure Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-037	Estimated Remain Pages	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-042	Estimated Remain Pages	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-043	Estimated Remain Pages	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 0 / 1sheet]
7-955-044	Estimated Remain Pages	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 0 / 1sheet]
7-956-003	Estimated Remain Days	Development Unit	ENG	[0 to 255 / 0 / 1days]
7-956-005	Estimated Remain Days	#Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-956-006	Estimated Remain Days	Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-956-007	Estimated Remain Days	Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-956-008	Estimated Remain Days	Coating Bar	ENG	[0 to 255 / 0 / 1days]
7-956-009	Estimated Remain Days	Apply Blade	ENG	[0 to 255 / 0 / 1days]
7-956-010	Estimated Remain Days	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-956-011	Estimated Remain Days	Gear:Cleaning	ENG	[0 to 255 / 0 / 1days]
7-956-012	Estimated Remain Days	Charger Unit	ENG	[0 to 255 / 0 / 1days]
7-956-013	Estimated Remain Days	Charger Grid	ENG	[0 to 255 / 0 / 1days]
7-956-	Estimated Remain	Corona Wire Charger	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014	Days			
7-956-015	Estimated Remain Days	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1days]
7-956-016	Estimated Remain Days	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-956-017	Estimated Remain Days	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1days]
7-956-018	Estimated Remain Days	Photo Conductor	ENG	[0 to 255 / 0 / 1days]
7-956-019	Estimated Remain Days	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1days]
7-956-020	Estimated Remain Days	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1days]
7-956-021	Estimated Remain Days	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1days]
7-956-022	Estimated Remain Days	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-956-023	Estimated Remain Days	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-956-024	Estimated Remain Days	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1days]
7-956-025	Estimated Remain Days	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1days]
7-956-026	Estimated Remain Days	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1days]
7-956-027	Estimated Remain Days	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1days]
7-956-028	Estimated Remain Days	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1days]
7-956-029	Estimated Remain Days	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1days]
7-956-030	Estimated Remain Days	Paper Transfer Discharge Unit	ENG	[0 to 255 / 0 / 1days]
7-956-031	Estimated Remain Days	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1days]
7-956-	Estimated Remain	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1days]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032	Days			
7-956-033	Estimated Remain Days	#Fusing Unit	ENG	[0 to 255 / 0 / 1days]
7-956-034	Estimated Remain Days	Fusing Belt	ENG	[0 to 255 / 0 / 1days]
7-956-035	Estimated Remain Days	Hot Roller	ENG	[0 to 255 / 0 / 1days]
7-956-036	Estimated Remain Days	Pressure Roller	ENG	[0 to 255 / 0 / 1days]
7-956-037	Estimated Remain Days	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1days]
7-956-042	Estimated Remain Days	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 255 / 0 / 1days]
7-956-043	Estimated Remain Days	Dust Filter (Exhaust Duct 1)	ENG	[0 to 255 / 0 / 1days]
7-956-044	Estimated Remain Days	Dust Filter (Exhaust Duct 2)	ENG	[0 to 255 / 0 / 1days]
7-957-003	Monthly Average Pages	Development Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-005	Monthly Average Pages	#Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-006	Monthly Average Pages	Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-007	Monthly Average Pages	Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-008	Monthly Average Pages	Coating Bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-009	Monthly Average Pages	Apply Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-010	Monthly Average Pages	Joint:Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-011	Monthly Average Pages	Gear:Cleaning	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-012	Monthly Average Pages	Charger Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-	Monthly Average	Charger Grid	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013	Pages			1sheet]
7-957-014	Monthly Average Pages	Corona Wire Charger	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-015	Monthly Average Pages	Cushion Corona Wire	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-016	Monthly Average Pages	Grid Cleaner Assay	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-017	Monthly Average Pages	Corotoron Wire Cleaner Assay	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-018	Monthly Average Pages	Photo Conductor	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-019	Monthly Average Pages	ITB (Intermediate Transfer Belt)	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-020	Monthly Average Pages	Transfer Roller:ITB	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-021	Monthly Average Pages	#ITB Cleaning Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-022	Monthly Average Pages	ITB Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-023	Monthly Average Pages	ITB Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-024	Monthly Average Pages	ITB Lubricant bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-025	Monthly Average Pages	ITB Lubricant blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-026	Monthly Average Pages	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-027	Monthly Average Pages	PTR Lubricant Brush Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-028	Monthly Average Pages	PTR Cleaning Blade	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-029	Monthly Average Pages	PTR Lubricant bar	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-030	Monthly Average Pages	Paper Transfer Discharge Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-	Monthly Average	PTR (Paper Transfer Roller)	ENG	[0 to 99999999 / 0 /

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031	Pages			1sheet]
7-957-032	Monthly Average Pages	Paper Transfer Bias Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-033	Monthly Average Pages	#Fusing Unit	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-034	Monthly Average Pages	Fusing Belt	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-035	Monthly Average Pages	Hot Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-036	Monthly Average Pages	Pressure Roller	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-037	Monthly Average Pages	Shaft Bearing:Press Roll	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-042	Monthly Average Pages	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-043	Monthly Average Pages	Dust Filter (Exhaust Duct 1)	ENG	[0 to 99999999 / 0 / 1sheet]
7-957-044	Monthly Average Pages	Dust Filter (Exhaust Duct 2)	ENG	[0 to 99999999 / 0 / 1sheet]
7-960-003	Estimated Usage Rate	Development Unit	ENG	[0 to 255 / 0 / 1%]
7-960-005	Estimated Usage Rate	#Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-960-006	Estimated Usage Rate	Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-960-007	Estimated Usage Rate	Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-960-008	Estimated Usage Rate	Coating Bar	ENG	[0 to 255 / 0 / 1%]
7-960-009	Estimated Usage Rate	Apply Blade	ENG	[0 to 255 / 0 / 1%]
7-960-010	Estimated Usage Rate	Joint:Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-960-011	Estimated Usage Rate	Gear:Cleaning	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	Charger Unit	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
7-960-013	Estimated Usage Rate	Charger Grid	ENG	[0 to 255 / 0 / 1%]
7-960-014	Estimated Usage Rate	Corona Wire Charger	ENG	[0 to 255 / 0 / 1%]
7-960-015	Estimated Usage Rate	Cushion Corona Wire	ENG	[0 to 255 / 0 / 1%]
7-960-016	Estimated Usage Rate	Grid Cleaner Assay	ENG	[0 to 255 / 0 / 1%]
7-960-017	Estimated Usage Rate	Corotoron Wire Cleaner Assay	ENG	[0 to 255 / 0 / 1%]
7-960-018	Estimated Usage Rate	Photo Conductor	ENG	[0 to 255 / 0 / 1%]
7-960-019	Estimated Usage Rate	ITB (Intermediate Transfer Belt)	ENG	[0 to 255 / 0 / 1%]
7-960-020	Estimated Usage Rate	Transfer Roller:ITB	ENG	[0 to 255 / 0 / 1%]
7-960-021	Estimated Usage Rate	#ITB Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-960-022	Estimated Usage Rate	ITB Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-960-023	Estimated Usage Rate	ITB Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-960-024	Estimated Usage Rate	ITB Lubricant bar	ENG	[0 to 255 / 0 / 1%]
7-960-025	Estimated Usage Rate	ITB Lubricant blade	ENG	[0 to 255 / 0 / 1%]
7-960-026	Estimated Usage Rate	#PTR Unit(Paper Transfer Unit)	ENG	[0 to 255 / 0 / 1%]
7-960-027	Estimated Usage Rate	PTR Lubricant Brush Roller	ENG	[0 to 255 / 0 / 1%]
7-960-028	Estimated Usage Rate	PTR Cleaning Blade	ENG	[0 to 255 / 0 / 1%]
7-960-029	Estimated Usage Rate	PTR Lubricant bar	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	Paper Transfer Discharge Unit	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030				
7-960-031	Estimated Usage Rate	PTR (Paper Transfer Roller)	ENG	[0 to 255 / 0 / 1%]
7-960-032	Estimated Usage Rate	Paper Transfer Bias Roller	ENG	[0 to 255 / 0 / 1%]
7-960-033	Estimated Usage Rate	#Fusing Unit	ENG	[0 to 255 / 0 / 1%]
7-960-034	Estimated Usage Rate	Fusing Belt	ENG	[0 to 255 / 0 / 1%]
7-960-035	Estimated Usage Rate	Hot Roller	ENG	[0 to 255 / 0 / 1%]
7-960-036	Estimated Usage Rate	Pressure Roller	ENG	[0 to 255 / 0 / 1%]
7-960-037	Estimated Usage Rate	Shaft Bearing:Press Roll	ENG	[0 to 255 / 0 / 1%]
7-960-038	Estimated Usage Rate	#Fusing Cleaning Unit	ENG	[0 to 255 / 0 / 1%]
7-960-039	Estimated Usage Rate	Web Roll	ENG	[0 to 255 / 0 / 1%]
7-960-040	Estimated Usage Rate	Web Cleaning Roller	ENG	[0 to 255 / 0 / 1%]
7-960-042	Estimated Usage Rate	Dust Filter (Heat Exhaust Duct)	ENG	[0 to 255 / 0 / 1%]
7-960-043	Estimated Usage Rate	Dust Filter (Exhaust Duct 1)	ENG	[0 to 255 / 0 / 1%]
7-960-044	Estimated Usage Rate	Dust Filter (Exhaust Duct 2)	ENG	[0 to 255 / 0 / 1%]
7-960-050	Estimated Usage Rate	#Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-051	Estimated Usage Rate	Pick-up Roller-Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-052	Estimated Usage Rate	Feed Roller-Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-053	Estimated Usage Rate	Separation Roller-Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	#Tray2 Roller Assembly	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
054				
7-960-055	Estimated Usage Rate	Pick-up Roller-Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-056	Estimated Usage Rate	Feed Roller-Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-057	Estimated Usage Rate	Separation Roller-Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-058	Estimated Usage Rate	#Tray3 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-059	Estimated Usage Rate	Pick-up Roller-Tray3	ENG	[0 to 255 / 0 / 1%]
7-960-060	Estimated Usage Rate	Feed Roller-Tray3	ENG	[0 to 255 / 0 / 1%]
7-960-061	Estimated Usage Rate	Separation Roller-Tray3	ENG	[0 to 255 / 0 / 1%]
7-960-100	Estimated Usage Rate	#A3LCT Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-101	Estimated Usage Rate	A3LCT Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-102	Estimated Usage Rate	A3LCT Feed Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-103	Estimated Usage Rate	A3LCT Separation Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-104	Estimated Usage Rate	#A3LCT Tray5 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-105	Estimated Usage Rate	A3LCT Pick-up Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-106	Estimated Usage Rate	A3LCT Feed Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-107	Estimated Usage Rate	A3LCT Separation Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-108	Estimated Usage Rate	#A3LCT Tray6 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-109	Estimated Usage Rate	A3LCT Pick-up Roller-Tray6	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	A3LCT Feed Roller-Tray6	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
110				
7-960-111	Estimated Usage Rate	A3LCT Separation Roller-Tray6	ENG	[0 to 255 / 0 / 1%]
7-960-112	Estimated Usage Rate	#A4LCT Tray4 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-113	Estimated Usage Rate	A4LCT Pick-up Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-114	Estimated Usage Rate	A4LCT Feed Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-115	Estimated Usage Rate	A4LCT Separation Roller-Tray4	ENG	[0 to 255 / 0 / 1%]
7-960-116	Estimated Usage Rate	#A4LCT Tray5 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-117	Estimated Usage Rate	A4LCT Pick-up Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-118	Estimated Usage Rate	A4LCT Feed Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-119	Estimated Usage Rate	A4LCT Separation Roller-Tray5	ENG	[0 to 255 / 0 / 1%]
7-960-120	Estimated Usage Rate	#A4LCT Tray6 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-121	Estimated Usage Rate	A4LCT Pick-up Roller-Tray6	ENG	[0 to 255 / 0 / 1%]
7-960-122	Estimated Usage Rate	A4LCT Feed Roller-Tray6	ENG	[0 to 255 / 0 / 1%]
7-960-123	Estimated Usage Rate	A4LCT Separation Roller-Tray6	ENG	[0 to 255 / 0 / 1%]
7-960-124	Estimated Usage Rate	#Bypass Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-125	Estimated Usage Rate	Bypass Pick-up Roller	ENG	[0 to 255 / 0 / 1%]
7-960-126	Estimated Usage Rate	Bypass Feed Roller	ENG	[0 to 255 / 0 / 1%]
7-960-127	Estimated Usage Rate	Bypass Separation Roller	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	#Inseter Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
128				
7-960-129	Estimated Usage Rate	Pick-up Roller-Inserter Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-130	Estimated Usage Rate	Feed Belt-Inserter Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-131	Estimated Usage Rate	Separation Roller-Inserter Tray1	ENG	[0 to 255 / 0 / 1%]
7-960-132	Estimated Usage Rate	#Inseter Tray1 Roller Assembly	ENG	[0 to 255 / 0 / 1%]
7-960-133	Estimated Usage Rate	Pick-up Roller-Inserter Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-134	Estimated Usage Rate	Feed Belt-Inserter Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-135	Estimated Usage Rate	Separation Roller-Inserter Tray2	ENG	[0 to 255 / 0 / 1%]
7-960-136	Estimated Usage Rate	#ADF	ENG	[0 to 255 / 0 / 1%]
7-960-137	Estimated Usage Rate	ADF Feed Belt	ENG	[0 to 255 / 0 / 1%]
7-960-138	Estimated Usage Rate	ADF Separation Roller	ENG	[0 to 255 / 0 / 1%]
7-960-139	Estimated Usage Rate	ADF Pick-up Roller	ENG	[0 to 255 / 0 / 1%]
7-960-146	Estimated Usage Rate	Trimming Unit	ENG	[0 to 255 / 0 / 1%]
7-960-147	Estimated Usage Rate	Trimmings Catcher	ENG	[0 to 255 / 0 / 1%]
7-960-148	Estimated Usage Rate	Rotation Clamp Pad	ENG	[0 to 255 / 0 / 1%]
7-960-149	Estimated Usage Rate	Stack Rotation Vibrating Plate	ENG	[0 to 255 / 0 / 1%]
7-960-151	Estimated Usage Rate	Switchback Roller	ENG	[0 to 255 / 0 / 1%]
7-960-152	Estimated Usage Rate	Ripple Idle Roller (Center)	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	Ripple Idle Rollers	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
153				
7-960-154	Estimated Usage Rate	TE Press Roller (large)	ENG	[0 to 255 / 0 / 1%]
7-960-155	Estimated Usage Rate	TE Press Roller (Small)	ENG	[0 to 255 / 0 / 1%]
7-960-157	Estimated Usage Rate	Spine Fold Harness (right)	ENG	[0 to 255 / 0 / 1%]
7-960-158	Estimated Usage Rate	Spine Fold Harness (left)	ENG	[0 to 255 / 0 / 1%]
7-960-159	Estimated Usage Rate	Signature Transport Harness	ENG	[0 to 255 / 0 / 1%]
7-960-161	Estimated Usage Rate	Stack Rotation Up-down Harness	ENG	[0 to 255 / 0 / 1%]
7-960-162	Estimated Usage Rate	Stack Rotation Grip Harness	ENG	[0 to 255 / 0 / 1%]
7-960-163	Estimated Usage Rate	Stack Rotate Press LED Harness	ENG	[0 to 255 / 0 / 1%]
7-960-165	Estimated Usage Rate	Pick-up Roller Upper	ENG	[0 to 255 / 0 / 1%]
7-960-166	Estimated Usage Rate	Separation Roller Upper	ENG	[0 to 255 / 0 / 1%]
7-960-167	Estimated Usage Rate	Feed Roller Upper	ENG	[0 to 255 / 0 / 1%]
7-960-169	Estimated Usage Rate	Pick-up Roller Lower	ENG	[0 to 255 / 0 / 1%]
7-960-170	Estimated Usage Rate	Separation Roller Lower	ENG	[0 to 255 / 0 / 1%]
7-960-171	Estimated Usage Rate	Feed Roller Lower	ENG	[0 to 255 / 0 / 1%]
7-960-173	Estimated Usage Rate	Blade Cradle	ENG	[0 to 255 / 0 / 1%]
7-960-174	Estimated Usage Rate	Switchback Torque Limiter	ENG	[0 to 255 / 0 / 1%]
7-960-175	Estimated Usage Rate	Deodorant Filter (Upper&Lower)	ENG	[0 to 255 / 0 / 1%]
7-960-	Estimated Usage Rate	Cover Feed Switchback Roller	ENG	[0 to 255 / 0 / 1%]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176				
7-960-177	Estimated Usage Rate	Jogger Motor	ENG	[0 to 255 / 0 / 1%]
7-960-178	Estimated Usage Rate	Main Grip Motor	ENG	[0 to 255 / 0 / 1%]
7-960-179	Estimated Usage Rate	Signature Thickness Sensor	ENG	[0 to 255 / 0 / 1%]
7-960-180	Estimated Usage Rate	Signature Rotate Torque Diode	ENG	[0 to 255 / 0 / 1%]
7-960-181	Estimated Usage Rate	Trimmings Buffer Motor	ENG	[0 to 255 / 0 / 1%]
7-960-182	Estimated Usage Rate	Signature Press Trq Lmt Clutch	ENG	[0 to 255 / 0 / 1%]
7-960-184	Estimated Usage Rate	Ball Screw Unit	ENG	[0 to 255 / 0 / 1%]
7-960-185	Estimated Usage Rate	Sign/Stacking Discharge Brush	ENG	[0 to 255 / 0 / 1%]
7-960-186	Estimated Usage Rate	Horizontal/Reg Discharge Brush	ENG	[0 to 255 / 0 / 1%]
7-960-187	Estimated Usage Rate	Booklet Stack Drawer Connector	ENG	[0 to 255 / 0 / 1%]
7-960-188	Estimated Usage Rate	Edge Press Plate Sproket Ass'y	ENG	[0 to 255 / 0 / 1%]
7-960-191	Estimated Usage Rate	#2-Tray LCT:Tray 1:Feed Belt	ENG	[0 to 255 / 0 / 1%]
7-960-192	Estimated Usage Rate	#2-Tray LCT:Tray 2:Feed Belt	ENG	[0 to 255 / 0 / 1%]
7-960-193	Estimated Usage Rate	#2-Tray LCT:Tray 3:Feed Belt	ENG	[0 to 255 / 0 / 1%]
7-960-194	Estimated Usage Rate	#2-Tray LCT:Tray 4:Feed Belt	ENG	[0 to 255 / 0 / 1%]
7-963-001	Operation Env. Log: PCU	T<=5:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-002	Operation Env. Log: PCU	T<=5:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-	Operation Env. Log:	T<=5:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	PCU			
7-963-004	Operation Env. Log: PCU	T<=5:80<=H<100	ENG	[0 to 99999999 / 0 / 1m]
7-963-005	Operation Env. Log: PCU	5<T<15:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-006	Operation Env. Log: PCU	5<T<15:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-007	Operation Env. Log: PCU	5<T<15:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-008	Operation Env. Log: PCU	5<T<15:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-009	Operation Env. Log: PCU	15<=T<25:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-010	Operation Env. Log: PCU	15<=T<25:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-011	Operation Env. Log: PCU	15<=T<25:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-012	Operation Env. Log: PCU	15<=T<25:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-013	Operation Env. Log: PCU	25<=T<30:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-014	Operation Env. Log: PCU	25<=T<30:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-015	Operation Env. Log: PCU	25<=T<30:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-016	Operation Env. Log: PCU	25<=T<30:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-963-017	Operation Env. Log: PCU	30<=T:0<=H<30	ENG	[0 to 99999999 / 0 / 1m]
7-963-018	Operation Env. Log: PCU	30<=T:30<=H<55	ENG	[0 to 99999999 / 0 / 1m]
7-963-019	Operation Env. Log: PCU	30<=T:55<=H<80	ENG	[0 to 99999999 / 0 / 1m]
7-963-020	Operation Env. Log: PCU	30<=T:80<=H<=100	ENG	[0 to 99999999 / 0 / 1m]
7-964-	Operation Env. Log Clear		ENG	[0 to 1 / 0 / 1]

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
7-989-001	Trim Count (TRIMMER)	Trim Count	ENG	[0 to 99999999 / 0 / 1]

SP Group 7000 (Controller)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-401-001	Total SC	SC Counter	CTL	[0 to 65535 / 0 / 0]
7-401-002	Total SC	Total SC Counter	CTL	[0 to 65535 / 0 / 0]
7-403-001	SC History	Latest	CTL	[0 to 0 / 0 / 0]
7-403-002	SC History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-403-003	SC History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-403-004	SC History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-403-005	SC History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-403-006	SC History	Latest 5	CTL	[0 to 0 / 0 / 0]
7-403-007	SC History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-403-008	SC History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-403-009	SC History	Latest 8	CTL	[0 to 0 / 0 / 0]
7-403-010	SC History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-404-001	SC990/SC991 History	Latest	CTL	[0 to 0 / 0 / 0]
7-404-002	SC990/SC991 History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-404-003	SC990/SC991 History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-404-004	SC990/SC991 History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-404-005	SC990/SC991 History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-404-	SC990/SC991 History	Latest 5	CTL	[0 to 0 / 0 / 0]

006				
7-404-007	SC990/SC991 History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-404-008	SC990/SC991 History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-404-009	SC990/SC991 History	Latest 8	CTL	[0 to 0 / 0 / 0]
7-404-010	SC990/SC991 History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-502-001	Total Paper Jam	Jam Counter	CTL	[0 to 65535 / 0 / 0]
7-502-002	Total Paper Jam	Total Jam Counter	CTL	[0 to 65535 / 0 / 0]
7-503-001	Total Original Jam Counter		CTL	[0 to 65535 / 0 / 0]
7-503-002	Total Original Jam	Total Original Counter	CTL	[0 to 65535 / 0 / 0]
7-504-001	Paper Jam Location	At Power On	CTL	[0 to 65535 / 0 / 0]
7-504-003	Paper Jam Location	F1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-004	Paper Jam Location	F2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-005	Paper Jam Location	F3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-006	Paper Jam Location	LCTF1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-007	Paper Jam Location	LCTF2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-008	Paper Jam Location	LCTF3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-009	Paper Jam Location	LCTF4 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-010	Paper Jam Location	F1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-011	Paper Jam Location	F2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	F3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]

012				
7-504-013	Paper Jam Location	LCTF1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-014	Paper Jam Location	LCTF2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-015	Paper Jam Location	LCTF3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-016	Paper Jam Location	LCTF4 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-017	Paper Jam Location	Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-018	Paper Jam Location	Main Unit Relay Sensor<Feed>	CTL	[0 to 65535 / 0 / 0]
7-504-019	Paper Jam Location	Main Unit Relay Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-504-020	Paper Jam Location	Registration Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-021	Paper Jam Location	LCTF1 Vertical Transport Sn:A4 LCT	CTL	[0 to 65535 / 0 / 0]
7-504-022	Paper Jam Location	LCTF1 Vertical Transport Sn:1	CTL	[0 to 65535 / 0 / 0]
7-504-023	Paper Jam Location	LCTF1 Vertical Transport Sn:2	CTL	[0 to 65535 / 0 / 0]
7-504-024	Paper Jam Location	LCTF2 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-025	Paper Jam Location	LCTF3 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-026	Paper Jam Location	LCT Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-027	Paper Jam Location	LCT Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-028	Paper Jam Location	Registration Timing Sensor<Main Unit>	CTL	[0 to 65535 / 0 / 0]
7-504-029	Paper Jam Location	Registration Timing Sensor<LCT>	CTL	[0 to 65535 / 0 / 0]
7-504-030	Paper Jam Location	Late Jam	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	PTR Timing Sensor	CTL	[0 to 65535 / 0 / 0]

031				
7-504-032	Paper Jam Location	TH Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-033	Paper Jam Location	Fusing Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-034	Paper Jam Location	Fusing Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-035	Paper Jam Location	Exit JG Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-036	Paper Jam Location	Paper Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-038	Paper Jam Location	Paper Exit Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]
7-504-039	Paper Jam Location	Paper Exit Inverter Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-504-040	Paper Jam Location	Duplex Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-504-041	Paper Jam Location	Duplex Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]
7-504-042	Paper Jam Location	Duplex Transport Sn 1	CTL	[0 to 65535 / 0 / 0]
7-504-043	Paper Jam Location	Duplex Transport Sn 2	CTL	[0 to 65535 / 0 / 0]
7-504-044	Paper Jam Location	Duplex Transport Sn 3	CTL	[0 to 65535 / 0 / 0]
7-504-045	Paper Jam Location	Duplex Transport Sn 4	CTL	[0 to 65535 / 0 / 0]
7-504-046	Paper Jam Location	Duplex Transport Sn 5	CTL	[0 to 65535 / 0 / 0]
7-504-047	Paper Jam Location	Duplex Transport Sn 6	CTL	[0 to 65535 / 0 / 0]
7-504-048	Paper Jam Location	Duplex Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-049	Paper Jam Location	Skew	CTL	[0 to 65535 / 0 / 0]
7-504-050	Paper Jam Location	Shift	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	F1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]

053				
7-504-054	Paper Jam Location	F2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-055	Paper Jam Location	F3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-056	Paper Jam Location	LCTF1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-057	Paper Jam Location	LCTF2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-058	Paper Jam Location	LCTF3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-059	Paper Jam Location	LCTF4 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-060	Paper Jam Location	F1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-061	Paper Jam Location	F2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-062	Paper Jam Location	F3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-063	Paper Jam Location	LCTF1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-064	Paper Jam Location	LCTF2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-065	Paper Jam Location	LCTF3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-066	Paper Jam Location	LCTF4 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-067	Paper Jam Location	Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-068	Paper Jam Location	Main Unit Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-070	Paper Jam Location	Registration Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-071	Paper Jam Location	LCTF1 Vertical Transport Sn:A4 LCT	CTL	[0 to 65535 / 0 / 0]
7-504-072	Paper Jam Location	LCTF1 Vertical Transport Sn:1	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	LCTF1 Vertical Transport Sn:2	CTL	[0 to 65535 / 0 / 0]

073				
7-504-074	Paper Jam Location	LCTF2 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-075	Paper Jam Location	LCTF3 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-076	Paper Jam Location	LCT Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-077	Paper Jam Location	LCT Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-078	Paper Jam Location	Registration Timing Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-080	Paper Jam Location	Leading Edge Registration Corr	CTL	[0 to 65535 / 0 / 0]
7-504-081	Paper Jam Location	PTR Timing Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-082	Paper Jam Location	TH Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-504-083	Paper Jam Location	Fusing Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-084	Paper Jam Location	Fusing Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-085	Paper Jam Location	Exit JG Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-086	Paper Jam Location	Paper Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-087	Paper Jam Location	Paper Exit Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-504-089	Paper Jam Location	Paper Exit Inverter Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-504-090	Paper Jam Location	Duplex Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-504-091	Paper Jam Location	Duplex Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]
7-504-092	Paper Jam Location	Duplex Transport Sn 1	CTL	[0 to 65535 / 0 / 0]
7-504-093	Paper Jam Location	Duplex Transport Sn 2	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Duplex Transport Sn 3	CTL	[0 to 65535 / 0 / 0]

094				
7-504-095	Paper Jam Location	Duplex Transport Sn 4	CTL	[0 to 65535 / 0 / 0]
7-504-096	Paper Jam Location	Duplex Transport Sn 5	CTL	[0 to 65535 / 0 / 0]
7-504-097	Paper Jam Location	Duplex Transport Sn 6	CTL	[0 to 65535 / 0 / 0]
7-504-098	Paper Jam Location	Duplex Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-099	Paper Jam Location	Double-feed Sensor: Detection	CTL	[0 to 65535 / 0 / 0]
7-504-100	Paper Jam Location	FIN:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-101	Paper Jam Location	FIN:Abnormal Signal	CTL	[0 to 65535 / 0 / 0]
7-504-102	Paper Jam Location	FIN:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-103	Paper Jam Location	FIN:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-104	Paper Jam Location	FIN:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-105	Paper Jam Location	FIN:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-106	Paper Jam Location	FIN:Proof Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-107	Paper Jam Location	FIN:Proof Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-108	Paper Jam Location	FIN:Shift Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-109	Paper Jam Location	FIN:Shift Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-110	Paper Jam Location	FIN:Staple Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-111	Paper Jam Location	FIN:Staple Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-112	Paper Jam Location	FIN:Staple Tray Paper Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	FIN:Staple Tray Paper Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]

113				
7-504-114	Paper Jam Location	FIN:Belt Feed Out Sensor	CTL	[0 to 65535 / 0 / 0]
7-504-115	Paper Jam Location	FIN:Booklet Stapler Exit(Late)	CTL	[0 to 65535 / 0 / 0]
7-504-116	Paper Jam Location	FIN:Booklet Stapler Exit(Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-117	Paper Jam Location	FIN:Booklet Stapler Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-118	Paper Jam Location	FIN:Booklet Stapler Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-119	Paper Jam Location	FIN:Transport	CTL	[0 to 65535 / 0 / 0]
7-504-120	Paper Jam Location	FIN:Shift Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-504-121	Paper Jam Location	FIN:Jogger Motor	CTL	[0 to 65535 / 0 / 0]
7-504-122	Paper Jam Location	FIN:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-504-123	Paper Jam Location	FIN:Staple Motor	CTL	[0 to 65535 / 0 / 0]
7-504-124	Paper Jam Location	FIN:Stack Feed-Out Belt Motor	CTL	[0 to 65535 / 0 / 0]
7-504-125	Paper Jam Location	FIN:Punch Motor	CTL	[0 to 65535 / 0 / 0]
7-504-126	Paper Jam Location	FIN:Jogger	CTL	[0 to 65535 / 0 / 0]
7-504-127	Paper Jam Location	FIN:Pre-Stack Transport Motor	CTL	[0 to 65535 / 0 / 0]
7-504-128	Paper Jam Location	FIN:Stack Transport	CTL	[0 to 65535 / 0 / 0]
7-504-129	Paper Jam Location	FIN:Booklet	CTL	[0 to 65535 / 0 / 0]
7-504-130	Paper Jam Location	FIN:Folder	CTL	[0 to 65535 / 0 / 0]
7-504-150	Paper Jam Location	Interposer:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Interposer:Job Data Error	CTL	[0 to 65535 / 0 / 0]

151				
7-504-152	Paper Jam Location	Interposer:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-153	Paper Jam Location	Interposer:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-154	Paper Jam Location	Interposer:1st Paper Feed Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-155	Paper Jam Location	Interposer:1st Paper Feed Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-156	Paper Jam Location	Interposer:2nd Paper Feed Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-157	Paper Jam Location	Interposer:2nd Paper Feed Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-158	Paper Jam Location	Interposer:1st Pullout Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-159	Paper Jam Location	Interposer:1st Pullout Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-160	Paper Jam Location	Interposer:2nd Pullout Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-161	Paper Jam Location	Interposer:2nd Pullout Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-162	Paper Jam Location	Interposer:1st Vertical Trans Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-163	Paper Jam Location	Interposer:1st Vertical Trans Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-164	Paper Jam Location	Interposer:2nd Vertical Trans Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-165	Paper Jam Location	Interposer:2nd Vertical Trans Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-166	Paper Jam Location	Interposer:Paper Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-167	Paper Jam Location	Interposer:Paper Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-168	Paper Jam Location	Interposer:Entrance Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-169	Paper Jam Location	Interposer:Entrance Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Interposer: Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]

170				
7-504-171	Paper Jam Location	Interposer: Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-172	Paper Jam Location	Interposer:Set Timing Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-173	Paper Jam Location	Interposer:1st Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-504-174	Paper Jam Location	Interposer:2nd Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-504-175	Paper Jam Location	Interposer:1st Pick-up Motor	CTL	[0 to 65535 / 0 / 0]
7-504-176	Paper Jam Location	Interposer:2nd Pick-up Motor	CTL	[0 to 65535 / 0 / 0]
7-504-180	Paper Jam Location	Large Capacity Interposer:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-181	Paper Jam Location	Large Capacity Interposer:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-182	Paper Jam Location	Large Capacity Interposer:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-183	Paper Jam Location	Large Capacity Interposer:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-184	Paper Jam Location	Large Capacity Interposer:Large Capacity Interposer	CTL	[0 to 65535 / 0 / 0]
7-504-190	Paper Jam Location	Plockmatic:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-191	Paper Jam Location	Plockmatic:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-192	Paper Jam Location	Plockmatic:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-193	Paper Jam Location	Plockmatic:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-194	Paper Jam Location	FIN:Booklet Maker Jam	CTL	[0 to 65535 / 0 / 0]
7-504-195	Paper Jam Location	Punch:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-196	Paper Jam Location	Punch:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	Punch:Unusable paper	CTL	[0 to 65535 / 0 / 0]

197				
7-504-198	Paper Jam Location	Punch:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-199	Paper Jam Location	Punch:GBC Punch Unit	CTL	[0 to 65535 / 0 / 0]
7-504-200	Paper Jam Location	Cutter:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-201	Paper Jam Location	Cutter:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-202	Paper Jam Location	Cutter:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-203	Paper Jam Location	Cutter:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-204	Paper Jam Location	Cutter:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-205	Paper Jam Location	Cutter:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-206	Paper Jam Location	Cutter:Skew Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-207	Paper Jam Location	Cutter:Skew Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-208	Paper Jam Location	Cutter:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-209	Paper Jam Location	Cutter:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-504-210	Paper Jam Location	Cutter:Cutter Motor Lock	CTL	[0 to 65535 / 0 / 0]
7-504-211	Paper Jam Location	Cutter:Cut Position Motor	CTL	[0 to 65535 / 0 / 0]
7-504-212	Paper Jam Location	Cutter:Press Roller	CTL	[0 to 65535 / 0 / 0]
7-504-213	Paper Jam Location	Cutter:Press Stopper Motor	CTL	[0 to 65535 / 0 / 0]
7-504-214	Paper Jam Location	Cutter:Tray Motor	CTL	[0 to 65535 / 0 / 0]
7-504-220	Paper Jam Location	I/F Box:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-	Paper Jam Location	I/F Box:Unusable Paper	CTL	[0 to 65535 / 0 / 0]

221				
7-504-222	Paper Jam Location	I/F Box:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-504-223	Paper Jam Location	I/F Box:DFD Jam	CTL	[0 to 65535 / 0 / 0]
7-504-224	Paper Jam Location	I/F Box:Emergency Stop Jam	CTL	[0 to 65535 / 0 / 0]
7-504-225	Paper Jam Location	I/F Box:DFD Communication Error	CTL	[0 to 65535 / 0 / 0]
7-504-250	Paper Jam Location	Multi-Fold:Door Open	CTL	[0 to 65535 / 0 / 0]
7-504-251	Paper Jam Location	Multi-Fold:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-504-252	Paper Jam Location	Multi-Fold:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-504-253	Paper Jam Location	Multi-Fold:Internal error	CTL	[0 to 65535 / 0 / 0]
7-504-254	Paper Jam Location	Multi-Fold:Entrance Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-504-255	Paper Jam Location	Multi-Fold:Entrance Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-505-001	Original Jam Det	At Power On	CTL	[0 to 65535 / 0 / 0]
7-505-013	Original Jam Det	Separation Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-505-014	Original Jam Det	Skew Correction Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-505-015	Original Jam Det	Scanning Entrance Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-505-016	Original Jam Det	Registration Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-505-017	Original Jam Det	Original Exit Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-505-063	Original Jam Det	Separation Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-505-064	Original Jam Det	Skew Correction Sn: Off	CTL	[0 to 65535 / 0 / 0]
7-505-	Original Jam Det	Scanning Entrance Sn: Off	CTL	[0 to 65535 / 0 / 0]

065				
7-505-066	Original Jam Det	Registration Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-505-067	Original Jam Det	Original Exit Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-505-099	Original Jam Det	Double-Feed Detection	CTL	[0 to 65535 / 0 / 0]
7-505-239	Original Jam Det	Original Pull	CTL	[0 to 65535 / 0 / 0]
7-506-005	Jam Count by Paper Size	A4 LEF	CTL	[0 to 65535 / 0 / 0]
7-506-006	Jam Count by Paper Size	A5 LEF	CTL	[0 to 65535 / 0 / 0]
7-506-014	Jam Count by Paper Size	B5 LEF	CTL	[0 to 65535 / 0 / 0]
7-506-038	Jam Count by Paper Size	LT LEF	CTL	[0 to 65535 / 0 / 0]
7-506-044	Jam Count by Paper Size	HLT LEF	CTL	[0 to 65535 / 0 / 0]
7-506-132	Jam Count by Paper Size	A3 SEF	CTL	[0 to 65535 / 0 / 0]
7-506-133	Jam Count by Paper Size	A4 SEF	CTL	[0 to 65535 / 0 / 0]
7-506-134	Jam Count by Paper Size	A5 SEF	CTL	[0 to 65535 / 0 / 0]
7-506-141	Jam Count by Paper Size	B4 SEF	CTL	[0 to 65535 / 0 / 0]
7-506-142	Jam Count by Paper Size	B5 SEF	CTL	[0 to 65535 / 0 / 0]
7-506-160	Jam Count by Paper Size	DLT SEF	CTL	[0 to 65535 / 0 / 0]
7-506-164	Jam Count by Paper Size	LG SEF	CTL	[0 to 65535 / 0 / 0]
7-506-166	Jam Count by Paper Size	LT SEF	CTL	[0 to 65535 / 0 / 0]
7-506-172	Jam Count by Paper Size	HLT SEF	CTL	[0 to 65535 / 0 / 0]
7-506-	Jam Count by Paper Size	Others	CTL	[0 to 65535 / 0 / 0]

255				
7-507-001	Plotter Jam History	Latest	CTL	[0 to 0 / 0 / 0]
7-507-002	Plotter Jam History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-507-003	Plotter Jam History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-507-004	Plotter Jam History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-507-005	Plotter Jam History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-507-006	Plotter Jam History	Latest 5	CTL	[0 to 0 / 0 / 0]
7-507-007	Plotter Jam History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-507-008	Plotter Jam History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-507-009	Plotter Jam History	Latest 8	CTL	[0 to 0 / 0 / 0]
7-507-010	Plotter Jam History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-508-001	Original Jam History	Latest	CTL	[0 to 0 / 0 / 0]
7-508-002	Original Jam History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-508-003	Original Jam History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-508-004	Original Jam History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-508-005	Original Jam History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-508-006	Original Jam History	Latest 5	CTL	[0 to 0 / 0 / 0]
7-508-007	Original Jam History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-508-008	Original Jam History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-508-	Original Jam History	Latest 8	CTL	[0 to 0 / 0 / 0]

009				
7-508-010	Original Jam History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-509-001	Paper Jam Location	Multi-Fold:Top Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-002	Paper Jam Location	Multi-Fold:Top Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-003	Paper Jam Location	Multi-Fold:Horizontal Path Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-004	Paper Jam Location	Multi-Fold:Horizontal Path Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-005	Paper Jam Location	Multi-Fold:1st Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-006	Paper Jam Location	Multi-Fold:1st Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-007	Paper Jam Location	Multi-Fold:2nd Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-008	Paper Jam Location	Multi-Fold:2nd Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-009	Paper Jam Location	Multi-Fold:3rd Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-010	Paper Jam Location	Multi-Fold:3rd Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-011	Paper Jam Location	Multi-Fold:Registration Corr	CTL	[0 to 65535 / 0 / 0]
7-509-012	Paper Jam Location	Multi-Fold:Top Tray Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-509-013	Paper Jam Location	Multi-Fold:Entrance JG Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-014	Paper Jam Location	Multi-Fold:1st Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-015	Paper Jam Location	Multi-Fold:2nd Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-016	Paper Jam Location	Multi-Fold:3rd Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-017	Paper Jam Location	Multi-Fold:Dynamic Roller Lift Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Multi-Fold:Regist Roller Release Mtr	CTL	[0 to 65535 / 0 / 0]

018		Error		
7-509-019	Paper Jam Location	Multi-Fold:Fold Plate Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-020	Paper Jam Location	Multi-Fold:Jogger Fence Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-021	Paper Jam Location	Multi-Fold:Direct-Send JG Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-022	Paper Jam Location	Multi-Fold:FM6 Pawl Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-045	Paper Jam Location	P-Binder:Door Open	CTL	[0 to 65535 / 0 / 0]
7-509-046	Paper Jam Location	P-Binder:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-509-047	Paper Jam Location	P-Binder:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-509-048	Paper Jam Location	P-Binder:Internal error	CTL	[0 to 65535 / 0 / 0]
7-509-049	Paper Jam Location	P-Binder:Paper Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-050	Paper Jam Location	P-Binder:Paper Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-051	Paper Jam Location	P-Binder:Cover Regist Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-052	Paper Jam Location	P-Binder:Cover Regist Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-053	Paper Jam Location	P-Binder:Cover H-Reg. S Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-054	Paper Jam Location	P-Binder:Cover H-Reg. S Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-055	Paper Jam Location	P-Binder:Cover H-Reg. L Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-056	Paper Jam Location	P-Binder:Cover H-Reg. L Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-057	Paper Jam Location	P-Binder:Entrance Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-058	Paper Jam Location	P-Binder:Entrance Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	P-Binder:Sign. Path: Sn 1:Late	CTL	[0 to 65535 / 0 / 0]

059				
7-509-060	Paper Jam Location	P-Binder:Sign. Path: Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-061	Paper Jam Location	P-Binder:Sign. Path: Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-509-062	Paper Jam Location	P-Binder:Sign. Path: Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-063	Paper Jam Location	P-Binder:Timing Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-064	Paper Jam Location	P-Binder:Timing Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-065	Paper Jam Location	P-Binder:Stck Tray Emp. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-066	Paper Jam Location	P-Binder:Stck Tray Emp. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-067	Paper Jam Location	P-Binder:SG Paper Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-068	Paper Jam Location	P-Binder:Cover Path: Sn 1:Late	CTL	[0 to 65535 / 0 / 0]
7-509-069	Paper Jam Location	P-Binder:Cover Path: Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-070	Paper Jam Location	P-Binder:Cover Path: Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-509-071	Paper Jam Location	P-Binder:Cover Path: Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-072	Paper Jam Location	P-Binder:Cover Reg. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-073	Paper Jam Location	P-Binder:Cover Reg. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-074	Paper Jam Location	P-Binder:Paper Size Mismatch(Portrait)	CTL	[0 to 65535 / 0 / 0]
7-509-075	Paper Jam Location	P-Binder:Cover Size Short	CTL	[0 to 65535 / 0 / 0]
7-509-076	Paper Jam Location	P-Binder:Cutting Width Over	CTL	[0 to 65535 / 0 / 0]
7-509-077	Paper Jam Location	P-Binder:Finishing Height Over	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	P-Binder:Interposer Paper Size	CTL	[0 to 65535 / 0 / 0]

078		Mismatch		
7-509-079	Paper Jam Location	P-Binder:Com. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-080	Paper Jam Location	P-Binder:Com. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-081	Paper Jam Location	P-Binder:U-Tray P-up Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-082	Paper Jam Location	P-Binder:U-Tray P-up Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-083	Paper Jam Location	P-Binder:L-Tray P-up Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-084	Paper Jam Location	P-Binder:L-Tray P-up Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-085	Paper Jam Location	P-Binder:Trans. Sn 1:Late	CTL	[0 to 65535 / 0 / 0]
7-509-086	Paper Jam Location	P-Binder:Trans. Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-087	Paper Jam Location	P-Binder:Trans. Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-509-088	Paper Jam Location	P-Binder:Trans. Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-089	Paper Jam Location	P-Binder:Transport Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-090	Paper Jam Location	P-Binder:Transport Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-095	Paper Jam Location	R-Binder:Door Open	CTL	[0 to 65535 / 0 / 0]
7-509-096	Paper Jam Location	R-Binder:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-509-097	Paper Jam Location	R-Binder:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-509-098	Paper Jam Location	R-Binder:Internal error	CTL	[0 to 65535 / 0 / 0]
7-509-099	Paper Jam Location	R-Binder:Entrance Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-100	Paper Jam Location	R-Binder:Entrance Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	R-Binder:Transport Sn:Late	CTL	[0 to 65535 / 0 / 0]

101				
7-509-102	Paper Jam Location	R-Binder:Transport Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-103	Paper Jam Location	R-Binder:Exit Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-509-104	Paper Jam Location	R-Binder:Exit Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-509-105	Paper Jam Location	R-Binder:Pre-punch Jam	CTL	[0 to 65535 / 0 / 0]
7-509-106	Paper Jam Location	R-Binder:After-Punch Jam	CTL	[0 to 65535 / 0 / 0]
7-509-107	Paper Jam Location	R-Binder:P TE Detect Sn Jam	CTL	[0 to 65535 / 0 / 0]
7-509-108	Paper Jam Location	R-Binder:P LE Detect Sn Jam	CTL	[0 to 65535 / 0 / 0]
7-509-109	Paper Jam Location	R-Binder:Ring Error Jam	CTL	[0 to 65535 / 0 / 0]
7-509-110	Paper Jam Location	R-Binder:Binder Unit Set Jam	CTL	[0 to 65535 / 0 / 0]
7-509-111	Paper Jam Location	R-Binder:Output Belt 1 Jam	CTL	[0 to 65535 / 0 / 0]
7-509-112	Paper Jam Location	R-Binder:Output Belt 2 Jam	CTL	[0 to 65535 / 0 / 0]
7-509-113	Paper Jam Location	R-Binder:Stacker Jam	CTL	[0 to 65535 / 0 / 0]
7-509-114	Paper Jam Location	R-Binder:Punch Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-115	Paper Jam Location	R-Binder:Shutter Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-116	Paper Jam Location	R-Binder:Line-up Pin M Error	CTL	[0 to 65535 / 0 / 0]
7-509-117	Paper Jam Location	R-Binder:Paper Jog Error	CTL	[0 to 65535 / 0 / 0]
7-509-118	Paper Jam Location	R-Binder:Line-up Pin Error	CTL	[0 to 65535 / 0 / 0]
7-509-119	Paper Jam Location	R-Binder:Clamp Motor Error	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	R-Binder:50/100 Adj. M Error	CTL	[0 to 65535 / 0 / 0]

120				
7-509-121	Paper Jam Location	R-Binder:Out-Belt Rot. M Error	CTL	[0 to 65535 / 0 / 0]
7-509-125	Paper Jam Location	Stacker1:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-126	Paper Jam Location	Stacker1:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-127	Paper Jam Location	Stacker1:Proof Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-128	Paper Jam Location	Stacker1:Proof Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-129	Paper Jam Location	Stacker1:Stack Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-130	Paper Jam Location	Stacker1:Stack Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-131	Paper Jam Location	Stacker1:Relay Path Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-132	Paper Jam Location	Stacker1:Relay Path Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-133	Paper Jam Location	Stacker1:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-134	Paper Jam Location	Stacker1:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-135	Paper Jam Location	Stacker1:Shift Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-509-136	Paper Jam Location	Stacker1:Proof Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-509-137	Paper Jam Location	Stacker1:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-509-138	Paper Jam Location	Stacker1:Main Jog. Front Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-509-139	Paper Jam Location	Stacker1:Main Jog. Rear Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-509-140	Paper Jam Location	Stacker1:Main Jog. Fence Retraction Motor	CTL	[0 to 65535 / 0 / 0]
7-509-141	Paper Jam Location	Stacker1:Sub Jogger Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Stacker1:LE Stopper Motor	CTL	[0 to 65535 / 0 / 0]

142				
7-509-143	Paper Jam Location	Stacker1:Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-509-144	Paper Jam Location	Stacker1:Door Open	CTL	[0 to 65535 / 0 / 0]
7-509-145	Paper Jam Location	Stacker1:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-509-146	Paper Jam Location	Stacker1:Unusable Paper	CTL	[0 to 65535 / 0 / 0]
7-509-147	Paper Jam Location	Stacker1:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-509-150	Paper Jam Location	Stacker2:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-151	Paper Jam Location	Stacker2:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-152	Paper Jam Location	Stacker2:Proof Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-153	Paper Jam Location	Stacker2:Proof Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-154	Paper Jam Location	Stacker2:Stack Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-155	Paper Jam Location	Stacker2:Stack Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-156	Paper Jam Location	Stacker2:Relay Path Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-157	Paper Jam Location	Stacker2:Relay Path Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-158	Paper Jam Location	Stacker2:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-509-159	Paper Jam Location	Stacker2:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-509-160	Paper Jam Location	Stacker2:Shift Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-509-161	Paper Jam Location	Stacker2:Proof Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-509-162	Paper Jam Location	Stacker2:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	Stacker2:Main Jog. Front Fence	CTL	[0 to 65535 / 0 / 0]

163		Motor		
7-509-164	Paper Jam Location	Stacker2:Main Jog. Rear Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-509-165	Paper Jam Location	Stacker2:Main Jog. Fence Retraction Motor	CTL	[0 to 65535 / 0 / 0]
7-509-166	Paper Jam Location	Stacker2:Sub Jogger Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-509-167	Paper Jam Location	Stacker2:LE Stopper Motor	CTL	[0 to 65535 / 0 / 0]
7-509-168	Paper Jam Location	Stacker2:Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-509-169	Paper Jam Location	Stacker2:Door Open	CTL	[0 to 65535 / 0 / 0]
7-509-170	Paper Jam Location	Stacker2:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-509-171	Paper Jam Location	Stacker2:Unusable Paper	CTL	[0 to 65535 / 0 / 0]
7-509-172	Paper Jam Location	Stacker2:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-509-175	Paper Jam Location	LCT1:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-176	Paper Jam Location	LCT1:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-177	Paper Jam Location	LCT1:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-178	Paper Jam Location	LCT1:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-179	Paper Jam Location	LCT1:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-180	Paper Jam Location	LCT1:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-181	Paper Jam Location	LCT1:Bypass:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-182	Paper Jam Location	LCT1:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-183	Paper Jam Location	LCT1:Relay Unit:Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	LCT1:Relay Unit:Exit Sensor	CTL	[0 to 65535 / 0 / 0]

184				
7-509-185	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Entrance Sn	CTL	[0 to 65535 / 0 / 0]
7-509-186	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Relay Sn	CTL	[0 to 65535 / 0 / 0]
7-509-187	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Exit Sn	CTL	[0 to 65535 / 0 / 0]
7-509-190	Paper Jam Location	LCT2:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-191	Paper Jam Location	LCT2:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-192	Paper Jam Location	LCT2:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-193	Paper Jam Location	LCT2:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-194	Paper Jam Location	LCT2:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-195	Paper Jam Location	LCT2:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-197	Paper Jam Location	LCT2:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-215	Paper Jam Location	LCT1:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-216	Paper Jam Location	LCT1:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-217	Paper Jam Location	LCT1:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-218	Paper Jam Location	LCT1:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-219	Paper Jam Location	LCT1:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-220	Paper Jam Location	LCT1:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-221	Paper Jam Location	LCT1:Bypass:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-222	Paper Jam Location	LCT1:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-	Paper Jam Location	LCT1:Relay Unit:Entrance Sensor	CTL	[0 to 65535 / 0 / 0]

223				
7-509-224	Paper Jam Location	LCT1:Relay Unit:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-225	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Entrance Sn	CTL	[0 to 65535 / 0 / 0]
7-509-226	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Relay Sn	CTL	[0 to 65535 / 0 / 0]
7-509-227	Paper Jam Location	LCT1:Relay Unit:Hori. Trans. Exit Sn	CTL	[0 to 65535 / 0 / 0]
7-509-230	Paper Jam Location	LCT2:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-231	Paper Jam Location	LCT2:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-232	Paper Jam Location	LCT2:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-233	Paper Jam Location	LCT2:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-234	Paper Jam Location	LCT2:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-235	Paper Jam Location	LCT2:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-509-237	Paper Jam Location	LCT2:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-001	Paper Jam Count by Location	At Power On	CTL	[0 to 65535 / 0 / 0]
7-514-003	Paper Jam Count by Location	F1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-004	Paper Jam Count by Location	F2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-005	Paper Jam Count by Location	F3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-006	Paper Jam Count by Location	LCTF1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-007	Paper Jam Count by Location	LCTF2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-008	Paper Jam Count by Location	LCTF3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	LCTF4 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]

009	Location			
7-514-010	Paper Jam Count by Location	F1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-011	Paper Jam Count by Location	F2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-012	Paper Jam Count by Location	F3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-013	Paper Jam Count by Location	LCTF1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-014	Paper Jam Count by Location	LCTF2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-015	Paper Jam Count by Location	LCTF3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-016	Paper Jam Count by Location	LCTF4 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-017	Paper Jam Count by Location	Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-018	Paper Jam Count by Location	Main Unit Relay Sensor<Feed>	CTL	[0 to 65535 / 0 / 0]
7-514-019	Paper Jam Count by Location	Main Unit Relay Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-514-020	Paper Jam Count by Location	Registration Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-021	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:A4 LCT	CTL	[0 to 65535 / 0 / 0]
7-514-022	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:1	CTL	[0 to 65535 / 0 / 0]
7-514-023	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:2	CTL	[0 to 65535 / 0 / 0]
7-514-024	Paper Jam Count by Location	LCTF2 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-025	Paper Jam Count by Location	LCTF3 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-026	Paper Jam Count by Location	LCT Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-027	Paper Jam Count by Location	LCT Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Registration Timing Sensor<Main	CTL	[0 to 65535 / 0 / 0]

028	Location	Unit>		
7-514-029	Paper Jam Count by Location	Registration Timing Sensor<LCT>	CTL	[0 to 65535 / 0 / 0]
7-514-030	Paper Jam Count by Location	Late Jam	CTL	[0 to 65535 / 0 / 0]
7-514-031	Paper Jam Count by Location	PTR Timing Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-032	Paper Jam Count by Location	TH Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-033	Paper Jam Count by Location	Fusing Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-034	Paper Jam Count by Location	Fusing Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-035	Paper Jam Count by Location	Exit JG Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-036	Paper Jam Count by Location	Paper Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-038	Paper Jam Count by Location	Paper Exit Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]
7-514-039	Paper Jam Count by Location	Paper Exit Inverter Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-514-040	Paper Jam Count by Location	Duplex Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-514-041	Paper Jam Count by Location	Duplex Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]
7-514-042	Paper Jam Count by Location	Duplex Transport Sn 1	CTL	[0 to 65535 / 0 / 0]
7-514-043	Paper Jam Count by Location	Duplex Transport Sn 2	CTL	[0 to 65535 / 0 / 0]
7-514-044	Paper Jam Count by Location	Duplex Transport Sn 3	CTL	[0 to 65535 / 0 / 0]
7-514-045	Paper Jam Count by Location	Duplex Transport Sn 4	CTL	[0 to 65535 / 0 / 0]
7-514-046	Paper Jam Count by Location	Duplex Transport Sn 5	CTL	[0 to 65535 / 0 / 0]
7-514-047	Paper Jam Count by Location	Duplex Transport Sn 6	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Duplex Exit Sensor	CTL	[0 to 65535 / 0 / 0]

048	Location			
7-514-049	Paper Jam Count by Location	Skew	CTL	[0 to 65535 / 0 / 0]
7-514-050	Paper Jam Count by Location	Shift	CTL	[0 to 65535 / 0 / 0]
7-514-053	Paper Jam Count by Location	F1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-054	Paper Jam Count by Location	F2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-055	Paper Jam Count by Location	F3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-056	Paper Jam Count by Location	LCTF1 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-057	Paper Jam Count by Location	LCTF2 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-058	Paper Jam Count by Location	LCTF3 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-059	Paper Jam Count by Location	LCTF4 Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-060	Paper Jam Count by Location	F1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-061	Paper Jam Count by Location	F2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-062	Paper Jam Count by Location	F3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-063	Paper Jam Count by Location	LCTF1 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-064	Paper Jam Count by Location	LCTF2 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-065	Paper Jam Count by Location	LCTF3 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-066	Paper Jam Count by Location	LCTF4 Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-067	Paper Jam Count by Location	Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-068	Paper Jam Count by Location	Main Unit Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Registration Entrance Sensor	CTL	[0 to 65535 / 0 / 0]

070	Location			
7-514-071	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:A4 LCT	CTL	[0 to 65535 / 0 / 0]
7-514-072	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:1	CTL	[0 to 65535 / 0 / 0]
7-514-073	Paper Jam Count by Location	LCTF1 Vertical Transport Sn:2	CTL	[0 to 65535 / 0 / 0]
7-514-074	Paper Jam Count by Location	LCTF2 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-075	Paper Jam Count by Location	LCTF3 Vertical Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-076	Paper Jam Count by Location	LCT Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-077	Paper Jam Count by Location	LCT Relay Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-078	Paper Jam Count by Location	Registration Timing Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-080	Paper Jam Count by Location	Leading Edge Registration Corr	CTL	[0 to 65535 / 0 / 0]
7-514-081	Paper Jam Count by Location	PTR Timing Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-082	Paper Jam Count by Location	TH Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-514-083	Paper Jam Count by Location	Fusing Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-084	Paper Jam Count by Location	Fusing Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-085	Paper Jam Count by Location	Exit JG Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-086	Paper Jam Count by Location	Paper Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-087	Paper Jam Count by Location	Paper Exit Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-514-089	Paper Jam Count by Location	Paper Exit Inverter Sensor<Duplex>	CTL	[0 to 65535 / 0 / 0]
7-514-090	Paper Jam Count by Location	Duplex Inverter Sensor<IN>	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Duplex Inverter Sensor<OUT>	CTL	[0 to 65535 / 0 / 0]

091	Location			
7-514-092	Paper Jam Count by Location	Duplex Transport Sn 1	CTL	[0 to 65535 / 0 / 0]
7-514-093	Paper Jam Count by Location	Duplex Transport Sn 2	CTL	[0 to 65535 / 0 / 0]
7-514-094	Paper Jam Count by Location	Duplex Transport Sn 3	CTL	[0 to 65535 / 0 / 0]
7-514-095	Paper Jam Count by Location	Duplex Transport Sn 4	CTL	[0 to 65535 / 0 / 0]
7-514-096	Paper Jam Count by Location	Duplex Transport Sn 5	CTL	[0 to 65535 / 0 / 0]
7-514-097	Paper Jam Count by Location	Duplex Transport Sn 6	CTL	[0 to 65535 / 0 / 0]
7-514-098	Paper Jam Count by Location	Duplex Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-099	Paper Jam Count by Location	Double-feed Sensor: Detection	CTL	[0 to 65535 / 0 / 0]
7-514-100	Paper Jam Count by Location	FIN:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-101	Paper Jam Count by Location	FIN:Abnormal Signal	CTL	[0 to 65535 / 0 / 0]
7-514-102	Paper Jam Count by Location	FIN:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-103	Paper Jam Count by Location	FIN:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-104	Paper Jam Count by Location	FIN:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-105	Paper Jam Count by Location	FIN:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-106	Paper Jam Count by Location	FIN:Proof Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-107	Paper Jam Count by Location	FIN:Proof Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-108	Paper Jam Count by Location	FIN:Shift Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-109	Paper Jam Count by Location	FIN:Shift Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	FIN:Staple Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]

110	Location			
7-514-111	Paper Jam Count by Location	FIN:Staple Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-112	Paper Jam Count by Location	FIN:Staple Tray Paper Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-113	Paper Jam Count by Location	FIN:Staple Tray Paper Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-114	Paper Jam Count by Location	FIN:Belt Feed Out Sensor	CTL	[0 to 65535 / 0 / 0]
7-514-115	Paper Jam Count by Location	FIN:Booklet Stapler Exit(Late)	CTL	[0 to 65535 / 0 / 0]
7-514-116	Paper Jam Count by Location	FIN:Booklet Stapler Exit(Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-117	Paper Jam Count by Location	FIN:Booklet Stapler Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-118	Paper Jam Count by Location	FIN:Booklet Stapler Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-119	Paper Jam Count by Location	FIN:Transport	CTL	[0 to 65535 / 0 / 0]
7-514-120	Paper Jam Count by Location	FIN:Shift Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-514-121	Paper Jam Count by Location	FIN:Jogger Motor	CTL	[0 to 65535 / 0 / 0]
7-514-122	Paper Jam Count by Location	FIN:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-514-123	Paper Jam Count by Location	FIN:Staple Motor	CTL	[0 to 65535 / 0 / 0]
7-514-124	Paper Jam Count by Location	FIN:Stack Feed-Out Belt Motor	CTL	[0 to 65535 / 0 / 0]
7-514-125	Paper Jam Count by Location	FIN:Punch Motor	CTL	[0 to 65535 / 0 / 0]
7-514-126	Paper Jam Count by Location	FIN:Jogger	CTL	[0 to 65535 / 0 / 0]
7-514-127	Paper Jam Count by Location	FIN:Pre-Stack Transport Motor	CTL	[0 to 65535 / 0 / 0]
7-514-128	Paper Jam Count by Location	FIN:Stack Transport	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	FIN:Booklet	CTL	[0 to 65535 / 0 / 0]

129	Location			
7-514-130	Paper Jam Count by Location	FIN:Folder	CTL	[0 to 65535 / 0 / 0]
7-514-150	Paper Jam Count by Location	Interposer:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-151	Paper Jam Count by Location	Interposer:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-152	Paper Jam Count by Location	Interposer:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-153	Paper Jam Count by Location	Interposer:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-154	Paper Jam Count by Location	Interposer:1st Paper Feed Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-155	Paper Jam Count by Location	Interposer:1st Paper Feed Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-156	Paper Jam Count by Location	Interposer:2nd Paper Feed Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-157	Paper Jam Count by Location	Interposer:2nd Paper Feed Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-158	Paper Jam Count by Location	Interposer:1st Pullout Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-159	Paper Jam Count by Location	Interposer:1st Pullout Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-160	Paper Jam Count by Location	Interposer:2nd Pullout Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-161	Paper Jam Count by Location	Interposer:2nd Pullout Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-162	Paper Jam Count by Location	Interposer:1st Vertical Trans Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-163	Paper Jam Count by Location	Interposer:1st Vertical Trans Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-164	Paper Jam Count by Location	Interposer:2nd Vertical Trans Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-165	Paper Jam Count by Location	Interposer:2nd Vertical Trans Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-166	Paper Jam Count by Location	Interposer:Paper Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Interposer:Paper Exit Sensor (Stay	CTL	[0 to 65535 / 0 / 0]

167	Location	on)		
7-514-168	Paper Jam Count by Location	Interposer:Entrance Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-169	Paper Jam Count by Location	Interposer:Entrance Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-170	Paper Jam Count by Location	Interposer: Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-171	Paper Jam Count by Location	Interposer: Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-172	Paper Jam Count by Location	Interposer:Set Timing Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-173	Paper Jam Count by Location	Interposer:1st Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-514-174	Paper Jam Count by Location	Interposer:2nd Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-514-175	Paper Jam Count by Location	Interposer:1st Pick-up Motor	CTL	[0 to 65535 / 0 / 0]
7-514-176	Paper Jam Count by Location	Interposer:2nd Pick-up Motor	CTL	[0 to 65535 / 0 / 0]
7-514-180	Paper Jam Count by Location	Large Capacity Interposer:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-181	Paper Jam Count by Location	Large Capacity Interposer:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-182	Paper Jam Count by Location	Large Capacity Interposer:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-183	Paper Jam Count by Location	Large Capacity Interposer:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-184	Paper Jam Count by Location	Large Capacity Interposer:Large Capacity Interposer	CTL	[0 to 65535 / 0 / 0]
7-514-190	Paper Jam Count by Location	Plockmatic:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-191	Paper Jam Count by Location	Plockmatic:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-192	Paper Jam Count by Location	Plockmatic:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-193	Paper Jam Count by Location	Plockmatic:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	FIN:Booklet Maker Jam	CTL	[0 to 65535 / 0 / 0]

194	Location			
7-514-195	Paper Jam Count by Location	Punch:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-196	Paper Jam Count by Location	Punch:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-197	Paper Jam Count by Location	Punch:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-198	Paper Jam Count by Location	Punch:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-199	Paper Jam Count by Location	Punch:GBC Punch Unit	CTL	[0 to 65535 / 0 / 0]
7-514-200	Paper Jam Count by Location	Cutter:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-201	Paper Jam Count by Location	Cutter:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-202	Paper Jam Count by Location	Cutter:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-203	Paper Jam Count by Location	Cutter:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-204	Paper Jam Count by Location	Cutter:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-205	Paper Jam Count by Location	Cutter:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-206	Paper Jam Count by Location	Cutter:Skew Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-207	Paper Jam Count by Location	Cutter:Skew Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-208	Paper Jam Count by Location	Cutter:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-209	Paper Jam Count by Location	Cutter:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-514-210	Paper Jam Count by Location	Cutter:Cutter Motor Lock	CTL	[0 to 65535 / 0 / 0]
7-514-211	Paper Jam Count by Location	Cutter:Cut Position Motor	CTL	[0 to 65535 / 0 / 0]
7-514-212	Paper Jam Count by Location	Cutter:Press Roller	CTL	[0 to 65535 / 0 / 0]
7-514-	Paper Jam Count by	Cutter:Press Stopper Motor	CTL	[0 to 65535 / 0 / 0]

213	Location			
7-514-214	Paper Jam Count by Location	Cutter:Tray Motor	CTL	[0 to 65535 / 0 / 0]
7-514-220	Paper Jam Count by Location	I/F Box:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-221	Paper Jam Count by Location	I/F Box:Unusable Paper	CTL	[0 to 65535 / 0 / 0]
7-514-222	Paper Jam Count by Location	I/F Box:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-514-223	Paper Jam Count by Location	I/F Box:DFD Jam	CTL	[0 to 65535 / 0 / 0]
7-514-224	Paper Jam Count by Location	I/F Box:Emergency Stop Jam	CTL	[0 to 65535 / 0 / 0]
7-514-225	Paper Jam Count by Location	I/F Box:DFD Communication Error	CTL	[0 to 65535 / 0 / 0]
7-514-250	Paper Jam Count by Location	Multi-Fold:Door Open	CTL	[0 to 65535 / 0 / 0]
7-514-251	Paper Jam Count by Location	Multi-Fold:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-514-252	Paper Jam Count by Location	Multi-Fold:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-514-253	Paper Jam Count by Location	Multi-Fold:Internal error	CTL	[0 to 65535 / 0 / 0]
7-514-254	Paper Jam Count by Location	Multi-Fold:Entrance Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-514-255	Paper Jam Count by Location	Multi-Fold:Entrance Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-515-001	Original Jam Count by Detection	At Power On	CTL	[0 to 65535 / 0 / 0]
7-515-013	Original Jam Count by Detection	Separation Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-515-014	Original Jam Count by Detection	Skew Correction Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-515-015	Original Jam Count by Detection	Scanning Entrance Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-515-016	Original Jam Count by Detection	Registration Sensor: On	CTL	[0 to 65535 / 0 / 0]
7-515-	Original Jam Count by	Original Exit Sensor: On	CTL	[0 to 65535 / 0 / 0]

017	Detection			
7-515-063	Original Jam Count by Detection	Separation Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-515-064	Original Jam Count by Detection	Skew Correction Sn: Off	CTL	[0 to 65535 / 0 / 0]
7-515-065	Original Jam Count by Detection	Scanning Entrance Sn: Off	CTL	[0 to 65535 / 0 / 0]
7-515-066	Original Jam Count by Detection	Registration Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-515-067	Original Jam Count by Detection	Original Exit Sensor: Off	CTL	[0 to 65535 / 0 / 0]
7-515-099	Original Jam Count by Detection	Double-Feed Detection	CTL	[0 to 65535 / 0 / 0]
7-515-239	Original Jam Count by Detection	Original Pull	CTL	[0 to 65535 / 0 / 0]
7-516-005	Jam Paper Size Cnt	A4 LEF	CTL	[0 to 65535 / 0 / 0]
7-516-006	Jam Paper Size Cnt	A5 LEF	CTL	[0 to 65535 / 0 / 0]
7-516-014	Jam Paper Size Cnt	B5 LEF	CTL	[0 to 65535 / 0 / 0]
7-516-038	Jam Paper Size Cnt	LT LEF	CTL	[0 to 65535 / 0 / 0]
7-516-044	Jam Paper Size Cnt	HLT LEF	CTL	[0 to 65535 / 0 / 0]
7-516-132	Jam Paper Size Cnt	A3 SEF	CTL	[0 to 65535 / 0 / 0]
7-516-133	Jam Paper Size Cnt	A4 SEF	CTL	[0 to 65535 / 0 / 0]
7-516-134	Jam Paper Size Cnt	A5 SEF	CTL	[0 to 65535 / 0 / 0]
7-516-141	Jam Paper Size Cnt	B4 SEF	CTL	[0 to 65535 / 0 / 0]
7-516-142	Jam Paper Size Cnt	B5 SEF	CTL	[0 to 65535 / 0 / 0]
7-516-160	Jam Paper Size Cnt	DLT SEF	CTL	[0 to 65535 / 0 / 0]
7-516-	Jam Paper Size Cnt	LG SEF	CTL	[0 to 65535 / 0 / 0]

164				
7-516-166	Jam Paper Size Cnt	LT SEF	CTL	[0 to 65535 / 0 / 0]
7-516-172	Jam Paper Size Cnt	HLT SEF	CTL	[0 to 65535 / 0 / 0]
7-516-255	Jam Paper Size Cnt	Others	CTL	[0 to 65535 / 0 / 0]
7-519-001	Paper Jam Count by Location	Multi-Fold:Top Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-002	Paper Jam Count by Location	Multi-Fold:Top Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-003	Paper Jam Count by Location	Multi-Fold:Horizontal Path Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-004	Paper Jam Count by Location	Multi-Fold:Horizontal Path Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-005	Paper Jam Count by Location	Multi-Fold:1st Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-006	Paper Jam Count by Location	Multi-Fold:1st Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-007	Paper Jam Count by Location	Multi-Fold:2nd Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-008	Paper Jam Count by Location	Multi-Fold:2nd Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-009	Paper Jam Count by Location	Multi-Fold:3rd Stopper Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-010	Paper Jam Count by Location	Multi-Fold:3rd Stopper Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-011	Paper Jam Count by Location	Multi-Fold:Registration Corr	CTL	[0 to 65535 / 0 / 0]
7-519-012	Paper Jam Count by Location	Multi-Fold:Top Tray Transport Sn	CTL	[0 to 65535 / 0 / 0]
7-519-013	Paper Jam Count by Location	Multi-Fold:Entrance JG Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-014	Paper Jam Count by Location	Multi-Fold:1st Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-015	Paper Jam Count by Location	Multi-Fold:2nd Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	Multi-Fold:3rd Stopper Motor Error	CTL	[0 to 65535 / 0 / 0]

016	Location			
7-519-017	Paper Jam Count by Location	Multi-Fold:Dynamic Roller Lift Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-018	Paper Jam Count by Location	Multi-Fold:Regist Roller Release Mtr Error	CTL	[0 to 65535 / 0 / 0]
7-519-019	Paper Jam Count by Location	Multi-Fold:Fold Plate Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-020	Paper Jam Count by Location	Multi-Fold:Jogger Fence Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-021	Paper Jam Count by Location	Multi-Fold:Direct-Send JG Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-022	Paper Jam Count by Location	Multi-Fold:FM6 Pawl Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-045	Paper Jam Count by Location	P-Binder:Door Open	CTL	[0 to 65535 / 0 / 0]
7-519-046	Paper Jam Count by Location	P-Binder:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-519-047	Paper Jam Count by Location	P-Binder:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-519-048	Paper Jam Count by Location	P-Binder:Internal error	CTL	[0 to 65535 / 0 / 0]
7-519-049	Paper Jam Count by Location	P-Binder:Paper Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-050	Paper Jam Count by Location	P-Binder:Paper Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-051	Paper Jam Count by Location	P-Binder:Cover Regist Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-052	Paper Jam Count by Location	P-Binder:Cover Regist Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-053	Paper Jam Count by Location	P-Binder:Cover H-Reg. S Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-054	Paper Jam Count by Location	P-Binder:Cover H-Reg. S Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-055	Paper Jam Count by Location	P-Binder:Cover H-Reg. L Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-056	Paper Jam Count by Location	P-Binder:Cover H-Reg. L Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	P-Binder:Entrance Sn:Late	CTL	[0 to 65535 / 0 / 0]

057	Location			
7-519-058	Paper Jam Count by Location	P-Binder:Entrance Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-059	Paper Jam Count by Location	P-Binder:Sign. Path: Sn 1:Late	CTL	[0 to 65535 / 0 / 0]
7-519-060	Paper Jam Count by Location	P-Binder:Sign. Path: Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-061	Paper Jam Count by Location	P-Binder:Sign. Path: Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-519-062	Paper Jam Count by Location	P-Binder:Sign. Path: Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-063	Paper Jam Count by Location	P-Binder:Timing Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-064	Paper Jam Count by Location	P-Binder:Timing Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-065	Paper Jam Count by Location	P-Binder:Stck Tray Emp. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-066	Paper Jam Count by Location	P-Binder:Stck Tray Emp. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-067	Paper Jam Count by Location	P-Binder:SG Paper Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-068	Paper Jam Count by Location	P-Binder:Cover Path: Sn 1:Late	CTL	[0 to 65535 / 0 / 0]
7-519-069	Paper Jam Count by Location	P-Binder:Cover Path: Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-070	Paper Jam Count by Location	P-Binder:Cover Path: Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-519-071	Paper Jam Count by Location	P-Binder:Cover Path: Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-072	Paper Jam Count by Location	P-Binder:Cover Reg. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-073	Paper Jam Count by Location	P-Binder:Cover Reg. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-074	Paper Jam Count by Location	P-Binder:Paper Size Mismatch(Portrait)	CTL	[0 to 65535 / 0 / 0]
7-519-075	Paper Jam Count by Location	P-Binder:Cover Size Short	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	P-Binder:Cutting Width Over	CTL	[0 to 65535 / 0 / 0]

076	Location			
7-519-077	Paper Jam Count by Location	P-Binder:Finishing Height Over	CTL	[0 to 65535 / 0 / 0]
7-519-078	Paper Jam Count by Location	P-Binder:Interposer Paper Size Mismatch	CTL	[0 to 65535 / 0 / 0]
7-519-079	Paper Jam Count by Location	P-Binder:Com. Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-080	Paper Jam Count by Location	P-Binder:Com. Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-081	Paper Jam Count by Location	P-Binder:U-Tray P-up Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-082	Paper Jam Count by Location	P-Binder:U-Tray P-up Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-083	Paper Jam Count by Location	P-Binder:L-Tray P-up Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-084	Paper Jam Count by Location	P-Binder:L-Tray P-up Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-085	Paper Jam Count by Location	P-Binder:Trans. Sn 1:Late	CTL	[0 to 65535 / 0 / 0]
7-519-086	Paper Jam Count by Location	P-Binder:Trans. Sn 1:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-087	Paper Jam Count by Location	P-Binder:Trans. Sn 2:Late	CTL	[0 to 65535 / 0 / 0]
7-519-088	Paper Jam Count by Location	P-Binder:Trans. Sn 2:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-089	Paper Jam Count by Location	P-Binder:Transport Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-090	Paper Jam Count by Location	P-Binder:Transport Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-095	Paper Jam Count by Location	R-Binder:Door Open	CTL	[0 to 65535 / 0 / 0]
7-519-096	Paper Jam Count by Location	R-Binder:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-519-097	Paper Jam Count by Location	R-Binder:Unusable paper	CTL	[0 to 65535 / 0 / 0]
7-519-098	Paper Jam Count by Location	R-Binder:Internal error	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	R-Binder:Entrance Sn:Late	CTL	[0 to 65535 / 0 / 0]

099	Location			
7-519-100	Paper Jam Count by Location	R-Binder:Entrance Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-101	Paper Jam Count by Location	R-Binder:Transport Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-102	Paper Jam Count by Location	R-Binder:Transport Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-103	Paper Jam Count by Location	R-Binder:Exit Sn:Late	CTL	[0 to 65535 / 0 / 0]
7-519-104	Paper Jam Count by Location	R-Binder:Exit Sn:Stay on	CTL	[0 to 65535 / 0 / 0]
7-519-105	Paper Jam Count by Location	R-Binder:Pre-punch Jam	CTL	[0 to 65535 / 0 / 0]
7-519-106	Paper Jam Count by Location	R-Binder:After-Punch Jam	CTL	[0 to 65535 / 0 / 0]
7-519-107	Paper Jam Count by Location	R-Binder:P TE Detect Sn Jam	CTL	[0 to 65535 / 0 / 0]
7-519-108	Paper Jam Count by Location	R-Binder:P LE Detect Sn Jam	CTL	[0 to 65535 / 0 / 0]
7-519-109	Paper Jam Count by Location	R-Binder:Ring Error Jam	CTL	[0 to 65535 / 0 / 0]
7-519-110	Paper Jam Count by Location	R-Binder:Binder Unit Set Jam	CTL	[0 to 65535 / 0 / 0]
7-519-111	Paper Jam Count by Location	R-Binder:Output Belt 1 Jam	CTL	[0 to 65535 / 0 / 0]
7-519-112	Paper Jam Count by Location	R-Binder:Output Belt 2 Jam	CTL	[0 to 65535 / 0 / 0]
7-519-113	Paper Jam Count by Location	R-Binder:Stacker Jam	CTL	[0 to 65535 / 0 / 0]
7-519-114	Paper Jam Count by Location	R-Binder:Punch Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-115	Paper Jam Count by Location	R-Binder:Shutter Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-116	Paper Jam Count by Location	R-Binder:Line-up Pin M Error	CTL	[0 to 65535 / 0 / 0]
7-519-117	Paper Jam Count by Location	R-Binder:Paper Jog Error	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	R-Binder:Line-up Pin Error	CTL	[0 to 65535 / 0 / 0]

118	Location			
7-519-119	Paper Jam Count by Location	R-Binder:Clamp Motor Error	CTL	[0 to 65535 / 0 / 0]
7-519-120	Paper Jam Count by Location	R-Binder:50/100 Adj. M Error	CTL	[0 to 65535 / 0 / 0]
7-519-121	Paper Jam Count by Location	R-Binder:Out-Belt Rot. M Error	CTL	[0 to 65535 / 0 / 0]
7-519-125	Paper Jam Count by Location	Stacker1:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-126	Paper Jam Count by Location	Stacker1:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-127	Paper Jam Count by Location	Stacker1:Proof Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-128	Paper Jam Count by Location	Stacker1:Proof Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-129	Paper Jam Count by Location	Stacker1:Stack Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-130	Paper Jam Count by Location	Stacker1:Stack Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-131	Paper Jam Count by Location	Stacker1:Relay Path Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-132	Paper Jam Count by Location	Stacker1:Relay Path Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-133	Paper Jam Count by Location	Stacker1:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-134	Paper Jam Count by Location	Stacker1:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-135	Paper Jam Count by Location	Stacker1:Shift Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-519-136	Paper Jam Count by Location	Stacker1:Proof Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-519-137	Paper Jam Count by Location	Stacker1:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-519-138	Paper Jam Count by Location	Stacker1:Main Jog. Front Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-139	Paper Jam Count by Location	Stacker1:Main Jog. Rear Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	Stacker1:Main Jog. Fence Retraction	CTL	[0 to 65535 / 0 / 0]

140	Location	Motor		
7-519-141	Paper Jam Count by Location	Stacker1:Sub Jogger Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-142	Paper Jam Count by Location	Stacker1:LE Stopper Motor	CTL	[0 to 65535 / 0 / 0]
7-519-143	Paper Jam Count by Location	Stacker1:Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-519-144	Paper Jam Count by Location	Stacker1:Door Open	CTL	[0 to 65535 / 0 / 0]
7-519-145	Paper Jam Count by Location	Stacker1:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-519-146	Paper Jam Count by Location	Stacker1:Unusable Paper	CTL	[0 to 65535 / 0 / 0]
7-519-147	Paper Jam Count by Location	Stacker1:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-519-150	Paper Jam Count by Location	Stacker2:Entrance Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-151	Paper Jam Count by Location	Stacker2:Entrance Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-152	Paper Jam Count by Location	Stacker2:Proof Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-153	Paper Jam Count by Location	Stacker2:Proof Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-154	Paper Jam Count by Location	Stacker2:Stack Tray Exit Sn (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-155	Paper Jam Count by Location	Stacker2:Stack Tray Exit Sn (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-156	Paper Jam Count by Location	Stacker2:Relay Path Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-157	Paper Jam Count by Location	Stacker2:Relay Path Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-158	Paper Jam Count by Location	Stacker2:Exit Sensor (Late)	CTL	[0 to 65535 / 0 / 0]
7-519-159	Paper Jam Count by Location	Stacker2:Exit Sensor (Stay on)	CTL	[0 to 65535 / 0 / 0]
7-519-160	Paper Jam Count by Location	Stacker2:Shift Tray JG Motor	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	Stacker2:Proof Tray JG Motor	CTL	[0 to 65535 / 0 / 0]

161	Location			
7-519-162	Paper Jam Count by Location	Stacker2:Shift Motor	CTL	[0 to 65535 / 0 / 0]
7-519-163	Paper Jam Count by Location	Stacker2:Main Jog. Front Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-164	Paper Jam Count by Location	Stacker2:Main Jog. Rear Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-165	Paper Jam Count by Location	Stacker2:Main Jog. Fence Retraction Motor	CTL	[0 to 65535 / 0 / 0]
7-519-166	Paper Jam Count by Location	Stacker2:Sub Jogger Fence Motor	CTL	[0 to 65535 / 0 / 0]
7-519-167	Paper Jam Count by Location	Stacker2:LE Stopper Motor	CTL	[0 to 65535 / 0 / 0]
7-519-168	Paper Jam Count by Location	Stacker2:Tray Lift Motor	CTL	[0 to 65535 / 0 / 0]
7-519-169	Paper Jam Count by Location	Stacker2:Door Open	CTL	[0 to 65535 / 0 / 0]
7-519-170	Paper Jam Count by Location	Stacker2:Job Data Error	CTL	[0 to 65535 / 0 / 0]
7-519-171	Paper Jam Count by Location	Stacker2:Unusable Paper	CTL	[0 to 65535 / 0 / 0]
7-519-172	Paper Jam Count by Location	Stacker2:Internal Error	CTL	[0 to 65535 / 0 / 0]
7-519-175	Paper Jam Count by Location	LCT1:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-176	Paper Jam Count by Location	LCT1:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-177	Paper Jam Count by Location	LCT1:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-178	Paper Jam Count by Location	LCT1:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-179	Paper Jam Count by Location	LCT1:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-180	Paper Jam Count by Location	LCT1:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-181	Paper Jam Count by Location	LCT1:Bypass:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	LCT1:Exit Sensor	CTL	[0 to 65535 / 0 / 0]

182	Location			
7-519-183	Paper Jam Count by Location	LCT1:Relay Unit:Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-184	Paper Jam Count by Location	LCT1:Relay Unit:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-185	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Entrance Sn	CTL	[0 to 65535 / 0 / 0]
7-519-186	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Relay Sn	CTL	[0 to 65535 / 0 / 0]
7-519-187	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Exit Sn	CTL	[0 to 65535 / 0 / 0]
7-519-190	Paper Jam Count by Location	LCT2:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-191	Paper Jam Count by Location	LCT2:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-192	Paper Jam Count by Location	LCT2:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-193	Paper Jam Count by Location	LCT2:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-194	Paper Jam Count by Location	LCT2:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-195	Paper Jam Count by Location	LCT2:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-197	Paper Jam Count by Location	LCT2:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-215	Paper Jam Count by Location	LCT1:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-216	Paper Jam Count by Location	LCT1:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-217	Paper Jam Count by Location	LCT1:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-218	Paper Jam Count by Location	LCT1:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-219	Paper Jam Count by Location	LCT1:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-220	Paper Jam Count by Location	LCT1:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-	Paper Jam Count by	LCT1:Bypass:Vertical Transport	CTL	[0 to 65535 / 0 / 0]

221	Location	Sensor		
7-519-222	Paper Jam Count by Location	LCT1:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-223	Paper Jam Count by Location	LCT1:Relay Unit:Entrance Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-224	Paper Jam Count by Location	LCT1:Relay Unit:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-225	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Entrance Sn	CTL	[0 to 65535 / 0 / 0]
7-519-226	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Relay Sn	CTL	[0 to 65535 / 0 / 0]
7-519-227	Paper Jam Count by Location	LCT1:Relay Unit:Hori. Trans. Exit Sn	CTL	[0 to 65535 / 0 / 0]
7-519-230	Paper Jam Count by Location	LCT2:U-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-231	Paper Jam Count by Location	LCT2:L-Tray:Paper Feed Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-232	Paper Jam Count by Location	LCT2:U-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-233	Paper Jam Count by Location	LCT2:L-Tray:Paper Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-234	Paper Jam Count by Location	LCT2:U-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-235	Paper Jam Count by Location	LCT2:L-Tray:Vertical Transport Sensor	CTL	[0 to 65535 / 0 / 0]
7-519-237	Paper Jam Count by Location	LCT2:Exit Sensor	CTL	[0 to 65535 / 0 / 0]
7-520-001	Update Log	ErrorRecord1	CTL	[0 to 255 / 0 / 1]
7-520-002	Update Log	ErrorRecord2	CTL	[0 to 255 / 0 / 1]
7-520-003	Update Log	ErrorRecord3	CTL	[0 to 255 / 0 / 1]
7-520-004	Update Log	ErrorRecord4	CTL	[0 to 255 / 0 / 1]
7-520-005	Update Log	ErrorRecord5	CTL	[0 to 255 / 0 / 1]
7-520-	Update Log	ErrorRecord6	CTL	[0 to 255 / 0 / 1]

006				
7-520-007	Update Log	ErrorRecord7	CTL	[0 to 255 / 0 / 1]
7-520-008	Update Log	ErrorRecord8	CTL	[0 to 255 / 0 / 1]
7-520-009	Update Log	ErrorRecord9	CTL	[0 to 255 / 0 / 1]
7-520-010	Update Log	ErrorRecord10	CTL	[0 to 255 / 0 / 1]
7-617-001	PM Parts Counter Display	Normal	CTL	[0 to 9999999 / 0 / 0]
7-617-002	PM Parts Counter Display	Df	CTL	[0 to 9999999 / 0 / 0]
7-618-001	PM Parts Counter Reset	Normal	CTL	[0 to 0 / 0 / 0]
7-618-002	PM Parts Counter Reset	Df	CTL	[0 to 0 / 0 / 0]
7-624-003	Part Replacement Operation ON/OFF	Development Unit	CTL	[0 to 1 / 1 / 1]
7-624-005	Part Replacement Operation ON/OFF	#Cleaning Unit	CTL	[0 to 1 / 1 / 1]
7-624-006	Part Replacement Operation ON/OFF	Cleaning Blade	CTL	[0 to 1 / 1 / 1]
7-624-007	Part Replacement Operation ON/OFF	Brush Roller	CTL	[0 to 1 / 1 / 1]
7-624-008	Part Replacement Operation ON/OFF	Coating Bar	CTL	[0 to 1 / 1 / 1]
7-624-009	Part Replacement Operation ON/OFF	Apply Blade	CTL	[0 to 1 / 1 / 1]
7-624-010	Part Replacement Operation ON/OFF	Joint:Cleaning Unit	CTL	[0 to 1 / 1 / 1]
7-624-011	Part Replacement Operation ON/OFF	Gear:Cleaning	CTL	[0 to 1 / 1 / 1]
7-624-012	Part Replacement Operation ON/OFF	Charger Unit	CTL	[0 to 1 / 1 / 1]
7-624-013	Part Replacement Operation ON/OFF	Charger Grid	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Corona Wire Charger	CTL	[0 to 1 / 1 / 1]

014	Operation ON/OFF			
7-624-015	Part Replacement Operation ON/OFF	Cushion Corona Wire	CTL	[0 to 1 / 1 / 1]
7-624-016	Part Replacement Operation ON/OFF	Grid Cleaner Assay	CTL	[0 to 1 / 1 / 1]
7-624-017	Part Replacement Operation ON/OFF	Corotoron Wire Cleaner Assay	CTL	[0 to 1 / 1 / 1]
7-624-018	Part Replacement Operation ON/OFF	Photo Conductor	CTL	[0 to 1 / 1 / 1]
7-624-019	Part Replacement Operation ON/OFF	ITB Image Transfer Belt	CTL	[0 to 1 / 1 / 1]
7-624-020	Part Replacement Operation ON/OFF	Transfer Roller:ITB	CTL	[0 to 1 / 1 / 1]
7-624-021	Part Replacement Operation ON/OFF	#ITB Cleaning Unit	CTL	[0 to 1 / 1 / 1]
7-624-022	Part Replacement Operation ON/OFF	ITB Cleaning Blade	CTL	[0 to 1 / 1 / 1]
7-624-023	Part Replacement Operation ON/OFF	ITB Lubricant Brush Roller	CTL	[0 to 1 / 1 / 1]
7-624-024	Part Replacement Operation ON/OFF	ITB Lubricant bar	CTL	[0 to 1 / 1 / 1]
7-624-025	Part Replacement Operation ON/OFF	ITB Lubricant blade	CTL	[0 to 1 / 1 / 1]
7-624-026	Part Replacement Operation ON/OFF	#PTR Unit Paper Transfer Unit	CTL	[0 to 1 / 1 / 1]
7-624-027	Part Replacement Operation ON/OFF	PTR Cleaning Brush Roller	CTL	[0 to 1 / 1 / 1]
7-624-028	Part Replacement Operation ON/OFF	PTR Cleaning Blade	CTL	[0 to 1 / 1 / 1]
7-624-029	Part Replacement Operation ON/OFF	PTR Lubricant bar	CTL	[0 to 1 / 1 / 1]
7-624-030	Part Replacement Operation ON/OFF	Paper Transfer Discharge Unit	CTL	[0 to 1 / 1 / 1]
7-624-031	Part Replacement Operation ON/OFF	PTR Paper Transfer Roller	CTL	[0 to 1 / 1 / 1]
7-624-033	Part Replacement Operation ON/OFF	#Fusing Unit	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Fusing Belt	CTL	[0 to 1 / 1 / 1]

034	Operation ON/OFF			
7-624-035	Part Replacement Operation ON/OFF	Hot Roller	CTL	[0 to 1 / 1 / 1]
7-624-036	Part Replacement Operation ON/OFF	Pressure Roller	CTL	[0 to 1 / 1 / 1]
7-624-037	Part Replacement Operation ON/OFF	Shaft Bearing:Press Roll	CTL	[0 to 1 / 1 / 1]
7-624-038	Part Replacement Operation ON/OFF	#Fusing Cleaning Unit	CTL	[0 to 1 / 1 / 1]
7-624-039	Part Replacement Operation ON/OFF	Web Roll	CTL	[0 to 1 / 1 / 1]
7-624-040	Part Replacement Operation ON/OFF	Web Cleaning Roller	CTL	[0 to 1 / 1 / 1]
7-624-041	Part Replacement Operation ON/OFF	Dust Filter Right	CTL	[0 to 1 / 1 / 1]
7-624-042	Part Replacement Operation ON/OFF	Dust Filter Heat Exhaust Duct	CTL	[0 to 1 / 1 / 1]
7-624-047	Part Replacement Operation ON/OFF	Toner Corrector Bottle	CTL	[0 to 1 / 1 / 1]
7-624-050	Part Replacement Operation ON/OFF	#Tray1 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-051	Part Replacement Operation ON/OFF	Pick-up Roller-Tray1	CTL	[0 to 1 / 1 / 1]
7-624-052	Part Replacement Operation ON/OFF	Feed Roller-Tray1	CTL	[0 to 1 / 1 / 1]
7-624-053	Part Replacement Operation ON/OFF	Separation Roller-Tray1	CTL	[0 to 1 / 1 / 1]
7-624-054	Part Replacement Operation ON/OFF	#Tray2 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-055	Part Replacement Operation ON/OFF	Pick-up Roller-Tray2	CTL	[0 to 1 / 1 / 1]
7-624-056	Part Replacement Operation ON/OFF	Feed Roller-Tray2	CTL	[0 to 1 / 1 / 1]
7-624-057	Part Replacement Operation ON/OFF	Separation Roller-Tray2	CTL	[0 to 1 / 1 / 1]
7-624-058	Part Replacement Operation ON/OFF	#Tray3 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Pick-up Roller-Tray3	CTL	[0 to 1 / 1 / 1]

059	Operation ON/OFF			
7-624-060	Part Replacement Operation ON/OFF	Feed Roller-Tray3	CTL	[0 to 1 / 1 / 1]
7-624-061	Part Replacement Operation ON/OFF	Separation Roller-Tray3	CTL	[0 to 1 / 1 / 1]
7-624-100	Part Replacement Operation ON/OFF	#A3LCT Tray4 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-101	Part Replacement Operation ON/OFF	A3LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-102	Part Replacement Operation ON/OFF	A3LCT Feed Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-103	Part Replacement Operation ON/OFF	A3LCT Separation Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-104	Part Replacement Operation ON/OFF	#A3LCT Tray5 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-105	Part Replacement Operation ON/OFF	A3LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-106	Part Replacement Operation ON/OFF	A3LCT Feed Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-107	Part Replacement Operation ON/OFF	A3LCT Separation Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-108	Part Replacement Operation ON/OFF	#A3LCT Tray6 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-109	Part Replacement Operation ON/OFF	A3LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-110	Part Replacement Operation ON/OFF	A3LCT Feed Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-111	Part Replacement Operation ON/OFF	A3LCT Separation Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-112	Part Replacement Operation ON/OFF	#A4LCT Tray4 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-113	Part Replacement Operation ON/OFF	A4LCT Pick-up Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-114	Part Replacement Operation ON/OFF	A4LCT Feed Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-115	Part Replacement Operation ON/OFF	A4LCT Separation Roller-Tray4	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	#A4LCT Tray5 Roller Assembly	CTL	[0 to 1 / 1 / 1]

116	Operation ON/OFF			
7-624-117	Part Replacement Operation ON/OFF	A4LCT Pick-up Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-118	Part Replacement Operation ON/OFF	A4LCT Feed Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-119	Part Replacement Operation ON/OFF	A4LCT Separation Roller-Tray5	CTL	[0 to 1 / 1 / 1]
7-624-120	Part Replacement Operation ON/OFF	#A4LCT Tray6 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-121	Part Replacement Operation ON/OFF	A4LCT Pick-up Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-122	Part Replacement Operation ON/OFF	A4LCT Feed Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-123	Part Replacement Operation ON/OFF	A4LCT Separation Roller-Tray6	CTL	[0 to 1 / 1 / 1]
7-624-124	Part Replacement Operation ON/OFF	#Bypass Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-125	Part Replacement Operation ON/OFF	Bypass Pick-up Roller	CTL	[0 to 1 / 1 / 1]
7-624-126	Part Replacement Operation ON/OFF	Bypass Feed Roller	CTL	[0 to 1 / 1 / 1]
7-624-127	Part Replacement Operation ON/OFF	Bypass Separation Roller	CTL	[0 to 1 / 1 / 1]
7-624-128	Part Replacement Operation ON/OFF	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-129	Part Replacement Operation ON/OFF	Pick-up Roller-Inserter Tray1	CTL	[0 to 1 / 1 / 1]
7-624-130	Part Replacement Operation ON/OFF	Feed Belt-Inserter Tray1	CTL	[0 to 1 / 1 / 1]
7-624-131	Part Replacement Operation ON/OFF	Separation Roller-Inserter Tray1	CTL	[0 to 1 / 1 / 1]
7-624-132	Part Replacement Operation ON/OFF	#Inseter Tray1 Roller Assembly	CTL	[0 to 1 / 1 / 1]
7-624-133	Part Replacement Operation ON/OFF	Pick-up Roller-Inserter Tray2	CTL	[0 to 1 / 1 / 1]
7-624-134	Part Replacement Operation ON/OFF	Feed Belt-Inserter Tray2	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Separation Roller-Inserter Tray2	CTL	[0 to 1 / 1 / 1]

135	Operation ON/OFF			
7-624-136	Part Replacement Operation ON/OFF	#ADF	CTL	[0 to 1 / 1 / 1]
7-624-137	Part Replacement Operation ON/OFF	ADF Feed Belt	CTL	[0 to 1 / 1 / 1]
7-624-138	Part Replacement Operation ON/OFF	ADF Separation Roller	CTL	[0 to 1 / 1 / 1]
7-624-139	Part Replacement Operation ON/OFF	ADF Pick-up Roller	CTL	[0 to 1 / 1 / 1]
7-624-146	Part Replacement Operation ON/OFF	Trimming Unit	CTL	[0 to 1 / 1 / 1]
7-624-147	Part Replacement Operation ON/OFF	Trimmings Catcher	CTL	[0 to 1 / 1 / 1]
7-624-148	Part Replacement Operation ON/OFF	Rotation Clamp Pad	CTL	[0 to 1 / 1 / 1]
7-624-149	Part Replacement Operation ON/OFF	Stack Rotation Vibrating Plate	CTL	[0 to 1 / 1 / 1]
7-624-151	Part Replacement Operation ON/OFF	Switchback Roller	CTL	[0 to 1 / 1 / 1]
7-624-152	Part Replacement Operation ON/OFF	Ripple Idle Roller Center	CTL	[0 to 1 / 1 / 1]
7-624-153	Part Replacement Operation ON/OFF	Ripple Idle Rollers	CTL	[0 to 1 / 1 / 1]
7-624-154	Part Replacement Operation ON/OFF	TE Press Roller large	CTL	[0 to 1 / 1 / 1]
7-624-155	Part Replacement Operation ON/OFF	TE Press Roller Small	CTL	[0 to 1 / 1 / 1]
7-624-157	Part Replacement Operation ON/OFF	Spine Fold Harness right	CTL	[0 to 1 / 1 / 1]
7-624-158	Part Replacement Operation ON/OFF	Spine Fold Harness left	CTL	[0 to 1 / 1 / 1]
7-624-159	Part Replacement Operation ON/OFF	Signature Transport Harness	CTL	[0 to 1 / 1 / 1]
7-624-161	Part Replacement Operation ON/OFF	Stack Rotation Up-down Harness	CTL	[0 to 1 / 1 / 1]
7-624-162	Part Replacement Operation ON/OFF	Stack Rotation Grip Harness	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Stack Rotate Press LED Harness	CTL	[0 to 1 / 1 / 1]

163	Operation ON/OFF			
7-624-165	Part Replacement Operation ON/OFF	Pick-up Roller Upper	CTL	[0 to 1 / 1 / 1]
7-624-166	Part Replacement Operation ON/OFF	Separation Roller Upper	CTL	[0 to 1 / 1 / 1]
7-624-167	Part Replacement Operation ON/OFF	Feed Roller Upper	CTL	[0 to 1 / 1 / 1]
7-624-169	Part Replacement Operation ON/OFF	Pick-up Roller Lower	CTL	[0 to 1 / 1 / 1]
7-624-170	Part Replacement Operation ON/OFF	Separation Roller Lower	CTL	[0 to 1 / 1 / 1]
7-624-171	Part Replacement Operation ON/OFF	Feed Roller Lower	CTL	[0 to 1 / 1 / 1]
7-624-173	Part Replacement Operation ON/OFF	Blade Cradle	CTL	[0 to 1 / 1 / 1]
7-624-174	Part Replacement Operation ON/OFF	Switchback Torque Limiter	CTL	[0 to 1 / 1 / 1]
7-624-175	Part Replacement Operation ON/OFF	Deodorant Filter Upper Lower	CTL	[0 to 1 / 1 / 1]
7-624-176	Part Replacement Operation ON/OFF	Cover Feed Switchback Roller	CTL	[0 to 1 / 1 / 1]
7-624-177	Part Replacement Operation ON/OFF	Jogger Motor	CTL	[0 to 1 / 1 / 1]
7-624-178	Part Replacement Operation ON/OFF	Main Grip Motor	CTL	[0 to 1 / 1 / 1]
7-624-179	Part Replacement Operation ON/OFF	Signature Thickness Sensor	CTL	[0 to 1 / 1 / 1]
7-624-180	Part Replacement Operation ON/OFF	Signature Rotate Torque Diode	CTL	[0 to 1 / 1 / 1]
7-624-181	Part Replacement Operation ON/OFF	Trimmings Buffer Motor	CTL	[0 to 1 / 1 / 1]
7-624-182	Part Replacement Operation ON/OFF	Signature Press Trq Lmt Clutch	CTL	[0 to 1 / 1 / 1]
7-624-183	Part Replacement Operation ON/OFF	Gluing Unit	CTL	[0 to 1 / 1 / 1]
7-624-184	Part Replacement Operation ON/OFF	Ball Screw Unit	CTL	[0 to 1 / 1 / 1]
7-624-	Part Replacement	Sign/Stacking Discharge Brush	CTL	[0 to 1 / 1 / 1]

185	Operation ON/OFF			
7-624-186	Part Replacement Operation ON/OFF	Horizontal/Reg Discharge Brush	CTL	[0 to 1 / 1 / 1]
7-624-187	Part Replacement Operation ON/OFF	Booklet Stack Drawer Connector	CTL	[0 to 1 / 1 / 1]
7-624-188	Part Replacement Operation ON/OFF	Edge Press Plate Sproket Assy	CTL	[0 to 1 / 1 / 1]
7-624-191	Part Replacement Operation ON/OFF	#2-Tray LCT:Tray 1:Feed Belt	CTL	[0 to 1 / 1 / 1]
7-624-192	Part Replacement Operation ON/OFF	#2-Tray LCT:Tray 2:Feed Belt	CTL	[0 to 1 / 1 / 1]
7-624-193	Part Replacement Operation ON/OFF	#2-Tray LCT:Tray 3:Feed Belt	CTL	[0 to 1 / 1 / 1]
7-624-194	Part Replacement Operation ON/OFF	#2-Tray LCT:Tray 4:Feed Belt	CTL	[0 to 1 / 1 / 1]
7-801-255	ROM No./ Firmware Version		CTL	[0 to 0 / 0 / 0]
7-803-001	PM Counter Display	Paper	CTL	[0 to 9999999 / 0 / 0]
7-804-001	PM Counter Reset	Paper	CTL	[0 to 0 / 0 / 0]
7-807-001	SC/Jam Counter Reset		CTL	[0 to 0 / 0 / 0]
7-826-001	MF Error Counter	Error Total	CTL	[0 to 9999999 / 0 / 0]
7-826-002	MF Error Counter	Error Staple	CTL	[0 to 9999999 / 0 / 0]
7-827-001	MF Error Counter Clear		CTL	[0 to 0 / 0 / 0]
7-832-001	Self-Diagnose Result Display		CTL	[0 to 0 / 0 / 0]
7-836-001	Total Memory Size		CTL	[0 to 0xffffffff / 0 / 0]
7-840-001	ServiceSP Entry Code Chg Hist	Change Time :Latest	CTL	[0 to 0 / 0 / 0]
7-840-002	ServiceSP Entry Code Chg Hist	Change Time :Last1	CTL	[0 to 0 / 0 / 0]
7-840-	ServiceSP Entry Code	Initialize Time :Latest	CTL	[0 to 0 / 0 / 0]

101	Chg Hist			
7-840-102	ServiceSP Entry Code Chg Hist	Initialize Time :Last1	CTL	[0 to 0 / 0 / 0]
7-901-001	Assert Info.	File Name	CTL	[0 to 0 / 0 / 0]
7-901-002	Assert Info.	Number of Lines	CTL	[0 to 0 / 0 / 0]
7-901-003	Assert Info.	Location	CTL	[0 to 0 / 0 / 0]
7-910-001	ROM No	System/Copy	CTL	[0 to 0 / 0 / 0]
7-910-002	ROM No	Engine	CTL	[0 to 0 / 0 / 0]
7-910-003	ROM No	Lcdc	CTL	[0 to 0 / 0 / 0]
7-910-005	ROM No	ADF	CTL	[0 to 0 / 0 / 0]
7-910-007	ROM No	Finisher1	CTL	[0 to 0 / 0 / 0]
7-910-008	ROM No	Finisher2	CTL	[0 to 0 / 0 / 0]
7-910-010	ROM No	LCT	CTL	[0 to 0 / 0 / 0]
7-910-018	ROM No	NetworkSupport	CTL	[0 to 0 / 0 / 0]
7-910-020	ROM No	Cover Interposer	CTL	[0 to 0 / 0 / 0]
7-910-022	ROM No	BIOS	CTL	[0 to 0 / 0 / 0]
7-910-023	ROM No	HDD Format Option	CTL	[0 to 0 / 0 / 0]
7-910-025	ROM No	Folding Unit	CTL	[0 to 0 / 0 / 0]
7-910-028	ROM No	LCT2	CTL	[0 to 0 / 0 / 0]
7-910-029	ROM No	RB PCB 1	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	RB PCB 2	CTL	[0 to 0 / 0 / 0]

030				
7-910-031	ROM No	PB PCB 1	CTL	[0 to 0 / 0 / 0]
7-910-032	ROM No	PB PCB 2	CTL	[0 to 0 / 0 / 0]
7-910-033	ROM No	PB PCB 3	CTL	[0 to 0 / 0 / 0]
7-910-034	ROM No	PB PCB 4	CTL	[0 to 0 / 0 / 0]
7-910-035	ROM No	PB PCB 5	CTL	[0 to 0 / 0 / 0]
7-910-036	ROM No	Stacker 1	CTL	[0 to 0 / 0 / 0]
7-910-037	ROM No	Stacker 2	CTL	[0 to 0 / 0 / 0]
7-910-044	ROM No	Fin_IFBox	CTL	[0 to 0 / 0 / 0]
7-910-132	ROM No	NetWare	CTL	[0 to 0 / 0 / 0]
7-910-150	ROM No	RPCS	CTL	[0 to 0 / 0 / 0]
7-910-151	ROM No	PS	CTL	[0 to 0 / 0 / 0]
7-910-152	ROM No	RPDL	CTL	[0 to 0 / 0 / 0]
7-910-156	ROM No	R55	CTL	[0 to 0 / 0 / 0]
7-910-157	ROM No	RTIFF	CTL	[0 to 0 / 0 / 0]
7-910-158	ROM No	PCL	CTL	[0 to 0 / 0 / 0]
7-910-159	ROM No	PCLXL	CTL	[0 to 0 / 0 / 0]
7-910-160	ROM No	MSIS	CTL	[0 to 0 / 0 / 0]
7-910-162	ROM No	PDF	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	PJL	CTL	[0 to 0 / 0 / 0]

165				
7-910-166	ROM No	IPDS	CTL	[0 to 0 / 0 / 0]
7-910-167	ROM No	MediaPrint:JPEG	CTL	[0 to 0 / 0 / 0]
7-910-168	ROM No	MediaPrint:TIFF	CTL	[0 to 0 / 0 / 0]
7-910-180	ROM No	FONT	CTL	[0 to 0 / 0 / 0]
7-910-181	ROM No	FONT1	CTL	[0 to 0 / 0 / 0]
7-910-182	ROM No	FONT2	CTL	[0 to 0 / 0 / 0]
7-910-183	ROM No	FONT3	CTL	[0 to 0 / 0 / 0]
7-910-184	ROM No	FONT4	CTL	[0 to 0 / 0 / 0]
7-910-185	ROM No	FONT5	CTL	[0 to 0 / 0 / 0]
7-910-200	ROM No	Factory	CTL	[0 to 0 / 0 / 0]
7-910-201	ROM No	Copy	CTL	[0 to 0 / 0 / 0]
7-910-202	ROM No	NetworkDocBox	CTL	[0 to 0 / 0 / 0]
7-910-204	ROM No	Printer	CTL	[0 to 0 / 0 / 0]
7-910-205	ROM No	Scanner	CTL	[0 to 0 / 0 / 0]
7-910-210	ROM No	MIB	CTL	[0 to 0 / 0 / 0]
7-910-211	ROM No	Websupport	CTL	[0 to 0 / 0 / 0]
7-910-212	ROM No	WebUapl	CTL	[0 to 0 / 0 / 0]
7-910-213	ROM No	SDK1	CTL	[0 to 0 / 0 / 0]
7-910-	ROM No	SDK2	CTL	[0 to 0 / 0 / 0]

214				
7-910-215	ROM No	SDK3	CTL	[0 to 0 / 0 / 0]
7-911-001	Firmware Version	System/Copy	CTL	[0 to 0 / 0 / 0]
7-911-002	Firmware Version	Engine	CTL	[0 to 0 / 0 / 0]
7-911-003	Firmware Version	Lcdc	CTL	[0 to 0 / 0 / 0]
7-911-005	Firmware Version	ADF	CTL	[0 to 0 / 0 / 0]
7-911-007	Firmware Version	Finisher1	CTL	[0 to 0 / 0 / 0]
7-911-008	Firmware Version	Finisher2	CTL	[0 to 0 / 0 / 0]
7-911-010	Firmware Version	LCT	CTL	[0 to 0 / 0 / 0]
7-911-018	Firmware Version	NetworkSupport	CTL	[0 to 0 / 0 / 0]
7-911-020	Firmware Version	Cover Interposer	CTL	[0 to 0 / 0 / 0]
7-911-022	Firmware Version	BIOS	CTL	[0 to 0 / 0 / 0]
7-911-023	Firmware Version	HDD Format Option	CTL	[0 to 0 / 0 / 0]
7-911-025	Firmware Version	Folding Unit	CTL	[0 to 0 / 0 / 0]
7-911-028	Firmware Version	LCT2	CTL	[0 to 0 / 0 / 0]
7-911-029	Firmware Version	RB PCB 1	CTL	[0 to 0 / 0 / 0]
7-911-030	Firmware Version	RB PCB 2	CTL	[0 to 0 / 0 / 0]
7-911-031	Firmware Version	PB PCB 1	CTL	[0 to 0 / 0 / 0]
7-911-032	Firmware Version	PB PCB 2	CTL	[0 to 0 / 0 / 0]
7-911-	Firmware Version	PB PCB 3	CTL	[0 to 0 / 0 / 0]

033				
7-911-034	Firmware Version	PB PCB 4	CTL	[0 to 0 / 0 / 0]
7-911-035	Firmware Version	PB PCB 5	CTL	[0 to 0 / 0 / 0]
7-911-036	Firmware Version	Stacker 1	CTL	[0 to 0 / 0 / 0]
7-911-037	Firmware Version	Stacker 2	CTL	[0 to 0 / 0 / 0]
7-911-044	Firmware Version	Fin_IFBox	CTL	[0 to 0 / 0 / 0]
7-911-132	Firmware Version	NetWare	CTL	[0 to 0 / 0 / 0]
7-911-150	Firmware Version	RPCS	CTL	[0 to 0 / 0 / 0]
7-911-151	Firmware Version	PS	CTL	[0 to 0 / 0 / 0]
7-911-152	Firmware Version	RPDL	CTL	[0 to 0 / 0 / 0]
7-911-156	Firmware Version	R55	CTL	[0 to 0 / 0 / 0]
7-911-157	Firmware Version	RTIFF	CTL	[0 to 0 / 0 / 0]
7-911-158	Firmware Version	PCL	CTL	[0 to 0 / 0 / 0]
7-911-159	Firmware Version	PCLXL	CTL	[0 to 0 / 0 / 0]
7-911-160	Firmware Version	MSIS	CTL	[0 to 0 / 0 / 0]
7-911-162	Firmware Version	PDF	CTL	[0 to 0 / 0 / 0]
7-911-165	Firmware Version	PJL	CTL	[0 to 0 / 0 / 0]
7-911-166	Firmware Version	IPDS	CTL	[0 to 0 / 0 / 0]
7-911-167	Firmware Version	MediaPrint:JPEG	CTL	[0 to 0 / 0 / 0]
7-911-	Firmware Version	MediaPrint:TIFF	CTL	[0 to 0 / 0 / 0]

168				
7-911-180	Firmware Version	FONT	CTL	[0 to 0 / 0 / 0]
7-911-181	Firmware Version	FONT1	CTL	[0 to 0 / 0 / 0]
7-911-182	Firmware Version	FONT2	CTL	[0 to 0 / 0 / 0]
7-911-183	Firmware Version	FONT3	CTL	[0 to 0 / 0 / 0]
7-911-184	Firmware Version	FONT4	CTL	[0 to 0 / 0 / 0]
7-911-185	Firmware Version	FONT5	CTL	[0 to 0 / 0 / 0]
7-911-200	Firmware Version	Factory	CTL	[0 to 0 / 0 / 0]
7-911-201	Firmware Version	Copy	CTL	[0 to 0 / 0 / 0]
7-911-202	Firmware Version	NetworkDocBox	CTL	[0 to 0 / 0 / 0]
7-911-204	Firmware Version	Printer	CTL	[0 to 0 / 0 / 0]
7-911-205	Firmware Version	Scanner	CTL	[0 to 0 / 0 / 0]
7-911-210	Firmware Version	MIB	CTL	[0 to 0 / 0 / 0]
7-911-211	Firmware Version	Websupport	CTL	[0 to 0 / 0 / 0]
7-911-212	Firmware Version	WebUapl	CTL	[0 to 0 / 0 / 0]
7-911-213	Firmware Version	SDK1	CTL	[0 to 0 / 0 / 0]
7-911-214	Firmware Version	SDK2	CTL	[0 to 0 / 0 / 0]
7-911-215	Firmware Version	SDK3	CTL	[0 to 0 / 0 / 0]

SP Group 8000 (Controller)

No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
8-001-001	T:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-002-001	C:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-004-001	P:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-005-001	S:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-006-001	L:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-011-001	T:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-012-001	C:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-014-001	P:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-015-001	S:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-016-001	L:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-017-001	O:Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-021-001	T:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-022-001	C:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-024-001	P:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-025-001	S:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-026-001	L:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-027-001	O:Pjob/LS		CTL	[0 to 99999999 / 0 / 1]
8-031-001	T:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-032-001	C:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-034-001	P:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-035-001	S:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-036-001	L:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-037-001	O:Pjob/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-041-001	T:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-042-001	C:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-044-001	P:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-045-001	S:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-046-001	L:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-047-001	O:TX Jobs/LS		CTL	[0 to 99999999 / 0 / 1]
8-051-001	T:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-052-001	C:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-054-001	P:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-055-001	S:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-056-001	L:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]
8-057-001	O:TX Jobs/DesApl		CTL	[0 to 99999999 / 0 / 1]

8-061-001	T:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-061-002	T:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-061-003	T:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-061-004	T:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-061-005	T:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-006	T:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]
8-061-007	T:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-061-008	T:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-009	T:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-010	T:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-011	T:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-012	T:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-061-013	T:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-061-014	T:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-062-001	C:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-062-002	C:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-062-003	C:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-062-004	C:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-062-005	C:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-006	C:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]
8-062-007	C:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-062-008	C:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-009	C:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-010	C:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-011	C:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-012	C:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-062-013	C:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-062-014	C:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-064-001	P:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-064-002	P:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-064-003	P:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-064-004	P:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-064-005	P:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-064-006	P:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]
8-064-007	P:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-064-008	P:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-064-009	P:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-064-010	P:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]

8-064-011	P:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-064-012	P:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-064-013	P:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-064-014	P:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-065-001	S:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-065-002	S:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-065-003	S:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-065-004	S:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-065-005	S:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-006	S:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]
8-065-007	S:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-065-008	S:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-009	S:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-010	S:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-011	S:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-012	S:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-065-013	S:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-065-014	S:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-066-001	L:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-066-002	L:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-066-003	L:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-066-004	L:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-066-005	L:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-006	L:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]
8-066-007	L:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-066-008	L:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-009	L:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-010	L:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-011	L:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-012	L:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-066-013	L:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-066-014	L:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-067-001	O:FIN Jobs	Sort	CTL	[0 to 99999999 / 0 / 1]
8-067-002	O:FIN Jobs	Stack	CTL	[0 to 99999999 / 0 / 1]
8-067-003	O:FIN Jobs	Staple	CTL	[0 to 99999999 / 0 / 1]
8-067-004	O:FIN Jobs	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-067-005	O:FIN Jobs	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-006	O:FIN Jobs	Punch	CTL	[0 to 99999999 / 0 / 1]

8-067-007	O:FIN Jobs	Other	CTL	[0 to 99999999 / 0 / 1]
8-067-008	O:FIN Jobs	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-009	O:FIN Jobs	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-010	O:FIN Jobs	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-011	O:FIN Jobs	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-012	O:FIN Jobs	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-067-013	O:FIN Jobs	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-067-014	O:FIN Jobs	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-071-001	T:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-071-002	T:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-003	T:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-004	T:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-005	T:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-006	T:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-007	T:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-008	T:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-009	T:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-010	T:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-011	T:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-012	T:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-013	T:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-071-014	T:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-001	C:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-072-002	C:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-003	C:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-004	C:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-005	C:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-006	C:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-007	C:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-008	C:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-009	C:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-010	C:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-011	C:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-012	C:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-013	C:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-072-014	C:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-001	P:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-074-002	P:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]

8-074-003	P:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-004	P:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-005	P:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-006	P:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-007	P:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-008	P:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-009	P:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-010	P:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-011	P:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-012	P:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-013	P:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-074-014	P:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-001	S:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-075-002	S:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-003	S:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-004	S:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-005	S:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-006	S:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-007	S:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-008	S:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-009	S:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-010	S:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-011	S:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-012	S:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-013	S:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-075-014	S:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-001	L:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-076-002	L:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-003	L:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-004	L:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-005	L:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-006	L:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-007	L:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-008	L:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-009	L:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-010	L:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-011	L:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-012	L:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]

8-076-013	L:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-076-014	L:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-001	O:Jobs/PGS	1 Page	CTL	[0 to 99999999 / 0 / 1]
8-077-002	O:Jobs/PGS	2 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-003	O:Jobs/PGS	3 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-004	O:Jobs/PGS	4 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-005	O:Jobs/PGS	5 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-006	O:Jobs/PGS	6~10 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-007	O:Jobs/PGS	11~20 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-008	O:Jobs/PGS	21~50 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-009	O:Jobs/PGS	51~100 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-010	O:Jobs/PGS	101~300 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-011	O:Jobs/PGS	301~500 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-012	O:Jobs/PGS	501~700 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-013	O:Jobs/PGS	701~1000 Pages	CTL	[0 to 99999999 / 0 / 1]
8-077-014	O:Jobs/PGS	1001~ Pages	CTL	[0 to 99999999 / 0 / 1]
8-131-001	T:S-to-Email Jobs	B/W	CTL	[0 to 99999999 / 0 / 1]
8-131-002	T:S-to-Email Jobs	Color	CTL	[0 to 99999999 / 0 / 1]
8-131-003	T:S-to-Email Jobs	ACS	CTL	[0 to 99999999 / 0 / 1]
8-135-001	S:S-to-Email Jobs	B/W	CTL	[0 to 99999999 / 0 / 1]
8-135-002	S:S-to-Email Jobs	Color	CTL	[0 to 99999999 / 0 / 1]
8-135-003	S:S-to-Email Jobs	ACS	CTL	[0 to 99999999 / 0 / 1]
8-141-001	T:Deliv Jobs/Svr	B/W	CTL	[0 to 99999999 / 0 / 1]
8-141-002	T:Deliv Jobs/Svr	Color	CTL	[0 to 99999999 / 0 / 1]
8-141-003	T:Deliv Jobs/Svr	ACS	CTL	[0 to 99999999 / 0 / 1]
8-145-001	S:Deliv Jobs/Svr	B/W	CTL	[0 to 99999999 / 0 / 1]
8-145-002	S:Deliv Jobs/Svr	Color	CTL	[0 to 99999999 / 0 / 1]
8-145-003	S:Deliv Jobs/Svr	ACS	CTL	[0 to 99999999 / 0 / 1]
8-151-001	T:Deliv Jobs/PC	B/W	CTL	[0 to 99999999 / 0 / 1]
8-151-002	T:Deliv Jobs/PC	Color	CTL	[0 to 99999999 / 0 / 1]
8-151-003	T:Deliv Jobs/PC	ACS	CTL	[0 to 99999999 / 0 / 1]
8-155-001	S:Deliv Jobs/PC	B/W	CTL	[0 to 99999999 / 0 / 1]
8-155-002	S:Deliv Jobs/PC	Color	CTL	[0 to 99999999 / 0 / 1]
8-155-003	S:Deliv Jobs/PC	ACS	CTL	[0 to 99999999 / 0 / 1]
8-171-001	T:Deliv Jobs/WSD	B/W	CTL	[0 to 99999999 / 0 / 1]
8-171-002	T:Deliv Jobs/WSD	Color	CTL	[0 to 99999999 / 0 / 1]
8-171-003	T:Deliv Jobs/WSD	ACS	CTL	[0 to 99999999 / 0 / 1]
8-175-001	S:Deliv Jobs/WSD	B/W	CTL	[0 to 99999999 / 0 / 1]

8-175-002	S:Deliv Jobs/WSD	Color	CTL	[0 to 99999999 / 0 / 1]
8-175-003	S:Deliv Jobs/WSD	ACS	CTL	[0 to 99999999 / 0 / 1]
8-181-001	T:Scan to Media Jobs	B/W	CTL	[0 to 99999999 / 0 / 1]
8-181-002	T:Scan to Media Jobs	Color	CTL	[0 to 99999999 / 0 / 1]
8-181-003	T:Scan to Media Jobs	ACS	CTL	[0 to 99999999 / 0 / 1]
8-185-001	S:Scan to Media Jobs	B/W	CTL	[0 to 99999999 / 0 / 1]
8-185-002	S:Scan to Media Jobs	Color	CTL	[0 to 99999999 / 0 / 1]
8-185-003	S:Scan to Media Jobs	ACS	CTL	[0 to 99999999 / 0 / 1]
8-191-001	T:Total Scan PGS		CTL	[0 to 99999999 / 0 / 1]
8-192-001	C:Total Scan PGS		CTL	[0 to 99999999 / 0 / 1]
8-195-001	S:Total Scan PGS		CTL	[0 to 99999999 / 0 / 1]
8-196-001	L:Total Scan PGS		CTL	[0 to 99999999 / 0 / 1]
8-201-001	T:LSize Scan PGS	A3/DLT, Larger	CTL	[0 to 99999999 / 0 / 1]
8-205-001	S:LSize Scan PGS	A3/DLT, Larger	CTL	[0 to 99999999 / 0 / 1]
8-211-001	T:Scan PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-212-001	C:Scan PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-215-001	S:Scan PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-216-001	L:Scan PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-221-001	ADF Org Feeds	Front	CTL	[0 to 99999999 / 0 / 1]
8-221-002	ADF Org Feeds	Back	CTL	[0 to 99999999 / 0 / 1]
8-231-001	Scan PGS/Mode	Large Volume	CTL	[0 to 99999999 / 0 / 1]
8-231-002	Scan PGS/Mode	SADF	CTL	[0 to 99999999 / 0 / 1]
8-231-003	Scan PGS/Mode	Mixed Size	CTL	[0 to 99999999 / 0 / 1]
8-231-004	Scan PGS/Mode	Custom Size	CTL	[0 to 99999999 / 0 / 1]
8-231-005	Scan PGS/Mode	Platen	CTL	[0 to 99999999 / 0 / 1]
8-231-006	Scan PGS/Mode	Mixed 1side/2side	CTL	[0 to 99999999 / 0 / 1]
8-241-001	T:Scan PGS/Org	Text	CTL	[0 to 99999999 / 0 / 1]
8-241-002	T:Scan PGS/Org	Text/Photo	CTL	[0 to 99999999 / 0 / 1]
8-241-003	T:Scan PGS/Org	Photo	CTL	[0 to 99999999 / 0 / 1]
8-241-004	T:Scan PGS/Org	GenCopy, Pale	CTL	[0 to 99999999 / 0 / 1]
8-241-005	T:Scan PGS/Org	Map	CTL	[0 to 99999999 / 0 / 1]
8-241-006	T:Scan PGS/Org	Normal/Detail	CTL	[0 to 99999999 / 0 / 1]
8-241-007	T:Scan PGS/Org	Fine/Super Fine	CTL	[0 to 99999999 / 0 / 1]
8-241-008	T:Scan PGS/Org	Binary	CTL	[0 to 99999999 / 0 / 1]
8-241-009	T:Scan PGS/Org	Grayscale	CTL	[0 to 99999999 / 0 / 1]
8-241-010	T:Scan PGS/Org	Color	CTL	[0 to 99999999 / 0 / 1]
8-241-011	T:Scan PGS/Org	Other	CTL	[0 to 99999999 / 0 / 1]
8-242-001	C:Scan PGS/Org	Text	CTL	[0 to 99999999 / 0 / 1]

8-242-002	C:Scan PGS/Org	Text/Photo	CTL	[0 to 99999999 / 0 / 1]
8-242-003	C:Scan PGS/Org	Photo	CTL	[0 to 99999999 / 0 / 1]
8-242-004	C:Scan PGS/Org	GenCopy, Pale	CTL	[0 to 99999999 / 0 / 1]
8-242-005	C:Scan PGS/Org	Map	CTL	[0 to 99999999 / 0 / 1]
8-242-011	C:Scan PGS/Org	Other	CTL	[0 to 99999999 / 0 / 1]
8-245-001	S:Scan PGS/Org	Text	CTL	[0 to 99999999 / 0 / 1]
8-245-002	S:Scan PGS/Org	Text/Photo	CTL	[0 to 99999999 / 0 / 1]
8-245-003	S:Scan PGS/Org	Photo	CTL	[0 to 99999999 / 0 / 1]
8-245-004	S:Scan PGS/Org	GenCopy, Pale	CTL	[0 to 99999999 / 0 / 1]
8-245-008	S:Scan PGS/Org	Binary	CTL	[0 to 99999999 / 0 / 1]
8-245-009	S:Scan PGS/Org	Grayscale	CTL	[0 to 99999999 / 0 / 1]
8-245-010	S:Scan PGS/Org	Color	CTL	[0 to 99999999 / 0 / 1]
8-245-011	S:Scan PGS/Org	Other	CTL	[0 to 99999999 / 0 / 1]
8-246-001	L:Scan PGS/Org	Text	CTL	[0 to 99999999 / 0 / 1]
8-246-002	L:Scan PGS/Org	Text/Photo	CTL	[0 to 99999999 / 0 / 1]
8-246-003	L:Scan PGS/Org	Photo	CTL	[0 to 99999999 / 0 / 1]
8-246-004	L:Scan PGS/Org	GenCopy, Pale	CTL	[0 to 99999999 / 0 / 1]
8-246-005	L:Scan PGS/Org	Map	CTL	[0 to 99999999 / 0 / 1]
8-246-011	L:Scan PGS/Org	Other	CTL	[0 to 99999999 / 0 / 1]
8-251-001	T:Scan PGS/ImgEdt		CTL	[0 to 99999999 / 0 / 1]
8-252-001	C:Scan PGS/ImgEdt		CTL	[0 to 99999999 / 0 / 1]
8-255-001	S:Scan PGS/ImgEdt		CTL	[0 to 99999999 / 0 / 1]
8-256-001	L:Scan PGS/ImgEdt		CTL	[0 to 99999999 / 0 / 1]
8-257-001	O:Scan PGS/ImgEdt		CTL	[0 to 99999999 / 0 / 1]
8-281-001	T:Scan PGS/TWAIN		CTL	[0 to 99999999 / 0 / 1]
8-285-001	S:Scan PGS/TWAIN		CTL	[0 to 99999999 / 0 / 1]
8-291-001	T:Scan PGS/Stamp		CTL	[0 to 99999999 / 0 / 1]
8-295-001	S:Scan PGS/Stamp		CTL	[0 to 99999999 / 0 / 1]
8-301-001	T:Scan PGS/Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-301-002	T:Scan PGS/Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-301-003	T:Scan PGS/Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-301-004	T:Scan PGS/Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-301-005	T:Scan PGS/Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-301-006	T:Scan PGS/Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-301-007	T:Scan PGS/Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-301-008	T:Scan PGS/Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-301-009	T:Scan PGS/Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-301-010	T:Scan PGS/Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]

8-301-254	T:Scan PGS/Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-301-255	T:Scan PGS/Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-302-001	C:Scan PGS/Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-302-002	C:Scan PGS/Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-302-003	C:Scan PGS/Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-302-004	C:Scan PGS/Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-302-005	C:Scan PGS/Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-302-006	C:Scan PGS/Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-302-007	C:Scan PGS/Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-302-008	C:Scan PGS/Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-302-009	C:Scan PGS/Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-302-010	C:Scan PGS/Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-302-254	C:Scan PGS/Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-302-255	C:Scan PGS/Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-305-001	S:Scan PGS/Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-305-002	S:Scan PGS/Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-305-003	S:Scan PGS/Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-305-004	S:Scan PGS/Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-305-005	S:Scan PGS/Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-305-006	S:Scan PGS/Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-305-007	S:Scan PGS/Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-305-008	S:Scan PGS/Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-305-009	S:Scan PGS/Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-305-010	S:Scan PGS/Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-305-254	S:Scan PGS/Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-305-255	S:Scan PGS/Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-306-001	L:Scan PGS/Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-306-002	L:Scan PGS/Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-306-003	L:Scan PGS/Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-306-004	L:Scan PGS/Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-306-005	L:Scan PGS/Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-306-006	L:Scan PGS/Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-306-007	L:Scan PGS/Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-306-008	L:Scan PGS/Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-306-009	L:Scan PGS/Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-306-010	L:Scan PGS/Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-306-254	L:Scan PGS/Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-306-255	L:Scan PGS/Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]

8-311-001	T:Scan PGS/Rez	1200dpi ~	CTL	[0 to 99999999 / 0 / 1]
8-311-002	T:Scan PGS/Rez	600dpi~1199dpi	CTL	[0 to 99999999 / 0 / 1]
8-311-003	T:Scan PGS/Rez	400dpi~599dpi	CTL	[0 to 99999999 / 0 / 1]
8-311-004	T:Scan PGS/Rez	200dpi~399dpi	CTL	[0 to 99999999 / 0 / 1]
8-311-005	T:Scan PGS/Rez	~199dpi	CTL	[0 to 99999999 / 0 / 1]
8-315-001	S:Scan PGS/Rez	1200dpi ~	CTL	[0 to 99999999 / 0 / 1]
8-315-002	S:Scan PGS/Rez	600dpi~1199dpi	CTL	[0 to 99999999 / 0 / 1]
8-315-003	S:Scan PGS/Rez	400dpi~599dpi	CTL	[0 to 99999999 / 0 / 1]
8-315-004	S:Scan PGS/Rez	200dpi~399dpi	CTL	[0 to 99999999 / 0 / 1]
8-315-005	S:Scan PGS/Rez	~199dpi	CTL	[0 to 99999999 / 0 / 1]
8-381-001	T:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-382-001	C:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-384-001	P:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-385-001	S:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-386-001	L:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-387-001	O:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-391-001	LSize PrtPGS	A3/DLT, Larger	CTL	[0 to 99999999 / 0 / 1]
8-391-003	LSize PrtPGS	BannerPaper	CTL	[0 to 99999999 / 0 / 1]
8-401-001	T:PrtPGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-402-001	C:PrtPGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-404-001	P:PrtPGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-405-001	S:PrtPGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-406-001	L:PrtPGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-411-001	Prints/Duplex		CTL	[0 to 99999999 / 0 / 1]
8-421-001	T:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-421-002	T:PrtPGS/Dup Comb	Duplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-421-003	T:PrtPGS/Dup Comb	Book> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-421-004	T:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-421-005	T:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-421-006	T:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-421-007	T:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-421-008	T:PrtPGS/Dup Comb	6in1	CTL	[0 to 99999999 / 0 / 1]
8-421-009	T:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-421-010	T:PrtPGS/Dup Comb	9in1	CTL	[0 to 99999999 / 0 / 1]
8-421-011	T:PrtPGS/Dup Comb	16in1	CTL	[0 to 99999999 / 0 / 1]
8-421-012	T:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-421-013	T:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-014	T:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]

8-421-015	T:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-421-016	T:PrtPGS/Dup Comb	6in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-421-017	T:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-421-018	T:PrtPGS/Dup Comb	9in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-421-019	T:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-020	T:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-021	T:PrtPGS/Dup Comb	6in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-022	T:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-023	T:PrtPGS/Dup Comb	9in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-421-024	T:PrtPGS/Dup Comb	16in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-422-001	C:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-422-002	C:PrtPGS/Dup Comb	Duplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-422-003	C:PrtPGS/Dup Comb	Book> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-422-004	C:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-422-005	C:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-422-006	C:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-422-007	C:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-422-009	C:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-422-012	C:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-422-013	C:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]
8-422-014	C:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-422-015	C:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-422-017	C:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-422-019	C:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-422-020	C:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-422-022	C:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-001	P:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-424-004	P:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-424-005	P:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-424-006	P:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-424-007	P:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-424-008	P:PrtPGS/Dup Comb	6in1	CTL	[0 to 99999999 / 0 / 1]
8-424-009	P:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-424-010	P:PrtPGS/Dup Comb	9in1	CTL	[0 to 99999999 / 0 / 1]
8-424-011	P:PrtPGS/Dup Comb	16in1	CTL	[0 to 99999999 / 0 / 1]
8-424-012	P:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-424-013	P:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-014	P:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]

8-424-015	P:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-424-016	P:PrtPGS/Dup Comb	6in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-424-017	P:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-424-018	P:PrtPGS/Dup Comb	9in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-424-019	P:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-020	P:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-021	P:PrtPGS/Dup Comb	6in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-022	P:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-023	P:PrtPGS/Dup Comb	9in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-424-024	P:PrtPGS/Dup Comb	16in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-001	S:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-425-004	S:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-425-005	S:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-425-006	S:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-425-007	S:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-425-009	S:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-425-010	S:PrtPGS/Dup Comb	9in1	CTL	[0 to 99999999 / 0 / 1]
8-425-011	S:PrtPGS/Dup Comb	16in1	CTL	[0 to 99999999 / 0 / 1]
8-425-012	S:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-425-013	S:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-014	S:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-425-015	S:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-425-017	S:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-425-018	S:PrtPGS/Dup Comb	9in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-425-019	S:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-020	S:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-022	S:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-023	S:PrtPGS/Dup Comb	9in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-425-024	S:PrtPGS/Dup Comb	16in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-426-001	L:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-426-004	L:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-426-005	L:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-426-006	L:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-426-007	L:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-426-009	L:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-426-011	L:PrtPGS/Dup Comb	16in1	CTL	[0 to 99999999 / 0 / 1]
8-426-012	L:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-426-013	L:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]

8-426-014	L:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-426-015	L:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-426-017	L:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-426-019	L:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-426-020	L:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-426-022	L:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-426-024	L:PrtPGS/Dup Comb	16in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-001	O:PrtPGS/Dup Comb	Simplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-427-002	O:PrtPGS/Dup Comb	Duplex> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-427-003	O:PrtPGS/Dup Comb	Book> Duplex	CTL	[0 to 99999999 / 0 / 1]
8-427-004	O:PrtPGS/Dup Comb	Simplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-427-005	O:PrtPGS/Dup Comb	Duplex Combine	CTL	[0 to 99999999 / 0 / 1]
8-427-006	O:PrtPGS/Dup Comb	2in1	CTL	[0 to 99999999 / 0 / 1]
8-427-007	O:PrtPGS/Dup Comb	4in1	CTL	[0 to 99999999 / 0 / 1]
8-427-008	O:PrtPGS/Dup Comb	6in1	CTL	[0 to 99999999 / 0 / 1]
8-427-009	O:PrtPGS/Dup Comb	8in1	CTL	[0 to 99999999 / 0 / 1]
8-427-010	O:PrtPGS/Dup Comb	9in1	CTL	[0 to 99999999 / 0 / 1]
8-427-011	O:PrtPGS/Dup Comb	16in1	CTL	[0 to 99999999 / 0 / 1]
8-427-012	O:PrtPGS/Dup Comb	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-013	O:PrtPGS/Dup Comb	Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-014	O:PrtPGS/Dup Comb	2in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-015	O:PrtPGS/Dup Comb	4in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-016	O:PrtPGS/Dup Comb	6in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-017	O:PrtPGS/Dup Comb	8in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-018	O:PrtPGS/Dup Comb	9in1 + Booklet	CTL	[0 to 99999999 / 0 / 1]
8-427-019	O:PrtPGS/Dup Comb	2in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-020	O:PrtPGS/Dup Comb	4in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-021	O:PrtPGS/Dup Comb	6in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-022	O:PrtPGS/Dup Comb	8in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-023	O:PrtPGS/Dup Comb	9in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-427-024	O:PrtPGS/Dup Comb	16in1 + Magazine	CTL	[0 to 99999999 / 0 / 1]
8-431-001	T:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL	[0 to 99999999 / 0 / 1]
8-431-002	T:PrtPGS/ImgEdt	Series/Book	CTL	[0 to 99999999 / 0 / 1]
8-431-003	T:PrtPGS/ImgEdt	User Stamp	CTL	[0 to 99999999 / 0 / 1]
8-432-001	C:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL	[0 to 99999999 / 0 / 1]
8-432-002	C:PrtPGS/ImgEdt	Series/Book	CTL	[0 to 99999999 / 0 / 1]
8-432-003	C:PrtPGS/ImgEdt	User Stamp	CTL	[0 to 99999999 / 0 / 1]
8-434-001	P:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL	[0 to 99999999 / 0 / 1]

8-434-002	P:PrtPGS/ImgEdt	Series/Book	CTL	[0 to 99999999 / 0 / 1]
8-434-003	P:PrtPGS/ImgEdt	User Stamp	CTL	[0 to 99999999 / 0 / 1]
8-436-001	L:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL	[0 to 99999999 / 0 / 1]
8-436-002	L:PrtPGS/ImgEdt	Series/Book	CTL	[0 to 99999999 / 0 / 1]
8-436-003	L:PrtPGS/ImgEdt	User Stamp	CTL	[0 to 99999999 / 0 / 1]
8-437-001	O:PrtPGS/ImgEdt	Cover/Slip Sheet	CTL	[0 to 99999999 / 0 / 1]
8-437-002	O:PrtPGS/ImgEdt	Series/Book	CTL	[0 to 99999999 / 0 / 1]
8-437-003	O:PrtPGS/ImgEdt	User Stamp	CTL	[0 to 99999999 / 0 / 1]
8-441-001	T:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-441-002	T:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-441-003	T:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-441-004	T:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-441-005	T:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-441-006	T:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-441-007	T:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-441-008	T:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-441-009	T:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-441-010	T:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-441-254	T:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-441-255	T:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-442-001	C:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-442-002	C:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-442-003	C:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-442-004	C:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-442-005	C:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-442-006	C:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-442-007	C:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-442-008	C:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-442-009	C:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-442-010	C:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-442-254	C:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-442-255	C:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-444-001	P:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-444-002	P:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-444-003	P:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-444-004	P:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-444-005	P:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-444-006	P:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]

8-444-007	P:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-444-008	P:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-444-009	P:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-444-010	P:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-444-254	P:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-444-255	P:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-445-001	S:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-445-002	S:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-445-003	S:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-445-004	S:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-445-005	S:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-445-006	S:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-445-007	S:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-445-008	S:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-445-009	S:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-445-010	S:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-445-254	S:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-445-255	S:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-446-001	L:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-446-002	L:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-446-003	L:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-446-004	L:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-446-005	L:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-446-006	L:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-446-007	L:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-446-008	L:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]
8-446-009	L:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-446-010	L:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-446-254	L:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-446-255	L:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-447-001	O:PrtPGS/Ppr Size	A3	CTL	[0 to 99999999 / 0 / 1]
8-447-002	O:PrtPGS/Ppr Size	A4	CTL	[0 to 99999999 / 0 / 1]
8-447-003	O:PrtPGS/Ppr Size	A5	CTL	[0 to 99999999 / 0 / 1]
8-447-004	O:PrtPGS/Ppr Size	B4	CTL	[0 to 99999999 / 0 / 1]
8-447-005	O:PrtPGS/Ppr Size	B5	CTL	[0 to 99999999 / 0 / 1]
8-447-006	O:PrtPGS/Ppr Size	DLT	CTL	[0 to 99999999 / 0 / 1]
8-447-007	O:PrtPGS/Ppr Size	LG	CTL	[0 to 99999999 / 0 / 1]
8-447-008	O:PrtPGS/Ppr Size	LT	CTL	[0 to 99999999 / 0 / 1]

8-447-009	O:PrtPGS/Ppr Size	HLT	CTL	[0 to 99999999 / 0 / 1]
8-447-010	O:PrtPGS/Ppr Size	Full Bleed	CTL	[0 to 99999999 / 0 / 1]
8-447-254	O:PrtPGS/Ppr Size	Other (Standard)	CTL	[0 to 99999999 / 0 / 1]
8-447-255	O:PrtPGS/Ppr Size	Other (Custom)	CTL	[0 to 99999999 / 0 / 1]
8-451-001	PrtPGS/Ppr Tray	Bypass Tray	CTL	[0 to 99999999 / 0 / 1]
8-451-002	PrtPGS/Ppr Tray	Tray 1	CTL	[0 to 99999999 / 0 / 1]
8-451-003	PrtPGS/Ppr Tray	Tray 2	CTL	[0 to 99999999 / 0 / 1]
8-451-004	PrtPGS/Ppr Tray	Tray 3	CTL	[0 to 99999999 / 0 / 1]
8-451-005	PrtPGS/Ppr Tray	Tray 4	CTL	[0 to 99999999 / 0 / 1]
8-451-006	PrtPGS/Ppr Tray	Tray 5	CTL	[0 to 99999999 / 0 / 1]
8-451-007	PrtPGS/Ppr Tray	Tray 6	CTL	[0 to 99999999 / 0 / 1]
8-451-008	PrtPGS/Ppr Tray	Tray 7	CTL	[0 to 99999999 / 0 / 1]
8-451-009	PrtPGS/Ppr Tray	Tray 8	CTL	[0 to 99999999 / 0 / 1]
8-451-010	PrtPGS/Ppr Tray	Tray 9	CTL	[0 to 99999999 / 0 / 1]
8-451-011	PrtPGS/Ppr Tray	Tray 10	CTL	[0 to 99999999 / 0 / 1]
8-451-012	PrtPGS/Ppr Tray	Tray 11	CTL	[0 to 99999999 / 0 / 1]
8-451-013	PrtPGS/Ppr Tray	Tray 12	CTL	[0 to 99999999 / 0 / 1]
8-451-014	PrtPGS/Ppr Tray	Tray 13	CTL	[0 to 99999999 / 0 / 1]
8-451-015	PrtPGS/Ppr Tray	Tray 14	CTL	[0 to 99999999 / 0 / 1]
8-451-016	PrtPGS/Ppr Tray	Tray 15	CTL	[0 to 99999999 / 0 / 1]
8-461-001	T:PrtPGS/Ppr Type	Normal	CTL	[0 to 99999999 / 0 / 1]
8-461-002	T:PrtPGS/Ppr Type	Recycled	CTL	[0 to 99999999 / 0 / 1]
8-461-003	T:PrtPGS/Ppr Type	Special	CTL	[0 to 99999999 / 0 / 1]
8-461-004	T:PrtPGS/Ppr Type	Thick	CTL	[0 to 99999999 / 0 / 1]
8-461-005	T:PrtPGS/Ppr Type	Normal (Back)	CTL	[0 to 99999999 / 0 / 1]
8-461-006	T:PrtPGS/Ppr Type	Thick (Back)	CTL	[0 to 99999999 / 0 / 1]
8-461-007	T:PrtPGS/Ppr Type	OHP	CTL	[0 to 99999999 / 0 / 1]
8-461-008	T:PrtPGS/Ppr Type	Other	CTL	[0 to 99999999 / 0 / 1]
8-462-001	C:PrtPGS/Ppr Type	Normal	CTL	[0 to 99999999 / 0 / 1]
8-462-002	C:PrtPGS/Ppr Type	Recycled	CTL	[0 to 99999999 / 0 / 1]
8-462-003	C:PrtPGS/Ppr Type	Special	CTL	[0 to 99999999 / 0 / 1]
8-462-004	C:PrtPGS/Ppr Type	Thick	CTL	[0 to 99999999 / 0 / 1]
8-462-005	C:PrtPGS/Ppr Type	Normal (Back)	CTL	[0 to 99999999 / 0 / 1]
8-462-006	C:PrtPGS/Ppr Type	Thick (Back)	CTL	[0 to 99999999 / 0 / 1]
8-462-007	C:PrtPGS/Ppr Type	OHP	CTL	[0 to 99999999 / 0 / 1]
8-462-008	C:PrtPGS/Ppr Type	Other	CTL	[0 to 99999999 / 0 / 1]
8-464-001	P:PrtPGS/Ppr Type	Normal	CTL	[0 to 99999999 / 0 / 1]
8-464-002	P:PrtPGS/Ppr Type	Recycled	CTL	[0 to 99999999 / 0 / 1]

8-464-003	P:PrtPGS/Ppr Type	Special	CTL	[0 to 99999999 / 0 / 1]
8-464-004	P:PrtPGS/Ppr Type	Thick	CTL	[0 to 99999999 / 0 / 1]
8-464-005	P:PrtPGS/Ppr Type	Normal (Back)	CTL	[0 to 99999999 / 0 / 1]
8-464-006	P:PrtPGS/Ppr Type	Thick (Back)	CTL	[0 to 99999999 / 0 / 1]
8-464-007	P:PrtPGS/Ppr Type	OHP	CTL	[0 to 99999999 / 0 / 1]
8-464-008	P:PrtPGS/Ppr Type	Other	CTL	[0 to 99999999 / 0 / 1]
8-466-001	L:PrtPGS/Ppr Type	Normal	CTL	[0 to 99999999 / 0 / 1]
8-466-002	L:PrtPGS/Ppr Type	Recycled	CTL	[0 to 99999999 / 0 / 1]
8-466-003	L:PrtPGS/Ppr Type	Special	CTL	[0 to 99999999 / 0 / 1]
8-466-004	L:PrtPGS/Ppr Type	Thick	CTL	[0 to 99999999 / 0 / 1]
8-466-005	L:PrtPGS/Ppr Type	Normal (Back)	CTL	[0 to 99999999 / 0 / 1]
8-466-006	L:PrtPGS/Ppr Type	Thick (Back)	CTL	[0 to 99999999 / 0 / 1]
8-466-007	L:PrtPGS/Ppr Type	OHP	CTL	[0 to 99999999 / 0 / 1]
8-466-008	L:PrtPGS/Ppr Type	Other	CTL	[0 to 99999999 / 0 / 1]
8-471-001	PrtPGS/Mag	~49%	CTL	[0 to 99999999 / 0 / 1]
8-471-002	PrtPGS/Mag	50%~99%	CTL	[0 to 99999999 / 0 / 1]
8-471-003	PrtPGS/Mag	100%	CTL	[0 to 99999999 / 0 / 1]
8-471-004	PrtPGS/Mag	101%~200%	CTL	[0 to 99999999 / 0 / 1]
8-471-005	PrtPGS/Mag	201% ~	CTL	[0 to 99999999 / 0 / 1]
8-481-001	T:PrtPGS/TonSave		CTL	[0 to 99999999 / 0 / 1]
8-484-001	P:PrtPGS/TonSave		CTL	[0 to 99999999 / 0 / 1]
8-511-001	T:PrtPGS/Emul	RPCS	CTL	[0 to 99999999 / 0 / 1]
8-511-002	T:PrtPGS/Emul	RPDL	CTL	[0 to 99999999 / 0 / 1]
8-511-003	T:PrtPGS/Emul	PS3	CTL	[0 to 99999999 / 0 / 1]
8-511-004	T:PrtPGS/Emul	R98	CTL	[0 to 99999999 / 0 / 1]
8-511-005	T:PrtPGS/Emul	R16	CTL	[0 to 99999999 / 0 / 1]
8-511-006	T:PrtPGS/Emul	GL/GL2	CTL	[0 to 99999999 / 0 / 1]
8-511-007	T:PrtPGS/Emul	R55	CTL	[0 to 99999999 / 0 / 1]
8-511-008	T:PrtPGS/Emul	RTIFF	CTL	[0 to 99999999 / 0 / 1]
8-511-009	T:PrtPGS/Emul	PDF	CTL	[0 to 99999999 / 0 / 1]
8-511-010	T:PrtPGS/Emul	PCL5e/5c	CTL	[0 to 99999999 / 0 / 1]
8-511-011	T:PrtPGS/Emul	PCL XL	CTL	[0 to 99999999 / 0 / 1]
8-511-012	T:PrtPGS/Emul	IPDL-C	CTL	[0 to 99999999 / 0 / 1]
8-511-013	T:PrtPGS/Emul	BM-Links	CTL	[0 to 99999999 / 0 / 1]
8-511-014	T:PrtPGS/Emul	Other	CTL	[0 to 99999999 / 0 / 1]
8-511-015	T:PrtPGS/Emul	IPDS	CTL	[0 to 99999999 / 0 / 1]
8-514-001	P:PrtPGS/Emul	RPCS	CTL	[0 to 99999999 / 0 / 1]
8-514-002	P:PrtPGS/Emul	RPDL	CTL	[0 to 99999999 / 0 / 1]

8-514-003	P:PrtPGS/Emul	PS3	CTL	[0 to 99999999 / 0 / 1]
8-514-004	P:PrtPGS/Emul	R98	CTL	[0 to 99999999 / 0 / 1]
8-514-005	P:PrtPGS/Emul	R16	CTL	[0 to 99999999 / 0 / 1]
8-514-006	P:PrtPGS/Emul	GL/GL2	CTL	[0 to 99999999 / 0 / 1]
8-514-007	P:PrtPGS/Emul	R55	CTL	[0 to 99999999 / 0 / 1]
8-514-008	P:PrtPGS/Emul	RTIFF	CTL	[0 to 99999999 / 0 / 1]
8-514-009	P:PrtPGS/Emul	PDF	CTL	[0 to 99999999 / 0 / 1]
8-514-010	P:PrtPGS/Emul	PCL5e/5c	CTL	[0 to 99999999 / 0 / 1]
8-514-011	P:PrtPGS/Emul	PCL XL	CTL	[0 to 99999999 / 0 / 1]
8-514-012	P:PrtPGS/Emul	IPDL-C	CTL	[0 to 99999999 / 0 / 1]
8-514-013	P:PrtPGS/Emul	BM-Links	CTL	[0 to 99999999 / 0 / 1]
8-514-014	P:PrtPGS/Emul	Other	CTL	[0 to 99999999 / 0 / 1]
8-514-015	P:PrtPGS/Emul	IPDS	CTL	[0 to 99999999 / 0 / 1]
8-521-001	T:PrtPGS/FIN	Sort	CTL	[0 to 99999999 / 0 / 1]
8-521-002	T:PrtPGS/FIN	Stack	CTL	[0 to 99999999 / 0 / 1]
8-521-003	T:PrtPGS/FIN	Staple	CTL	[0 to 99999999 / 0 / 1]
8-521-004	T:PrtPGS/FIN	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-521-005	T:PrtPGS/FIN	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-006	T:PrtPGS/FIN	Punch	CTL	[0 to 99999999 / 0 / 1]
8-521-007	T:PrtPGS/FIN	Other	CTL	[0 to 99999999 / 0 / 1]
8-521-008	T:PrtPGS/FIN	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-009	T:PrtPGS/FIN	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-010	T:PrtPGS/FIN	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-011	T:PrtPGS/FIN	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-012	T:PrtPGS/FIN	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-521-013	T:PrtPGS/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-521-014	T:PrtPGS/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-522-001	C:PrtPGS/FIN	Sort	CTL	[0 to 99999999 / 0 / 1]
8-522-002	C:PrtPGS/FIN	Stack	CTL	[0 to 99999999 / 0 / 1]
8-522-003	C:PrtPGS/FIN	Staple	CTL	[0 to 99999999 / 0 / 1]
8-522-004	C:PrtPGS/FIN	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-522-005	C:PrtPGS/FIN	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-522-006	C:PrtPGS/FIN	Punch	CTL	[0 to 99999999 / 0 / 1]
8-522-007	C:PrtPGS/FIN	Other	CTL	[0 to 99999999 / 0 / 1]
8-522-008	C:PrtPGS/FIN	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-522-009	C:PrtPGS/FIN	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-522-010	C:PrtPGS/FIN	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-522-011	C:PrtPGS/FIN	Four-Fold	CTL	[0 to 99999999 / 0 / 1]

8-522-012	C:PrtPGS/FIN	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-522-013	C:PrtPGS/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-522-014	C:PrtPGS/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-524-001	P:PrtPGS/FIN	Sort	CTL	[0 to 99999999 / 0 / 1]
8-524-002	P:PrtPGS/FIN	Stack	CTL	[0 to 99999999 / 0 / 1]
8-524-003	P:PrtPGS/FIN	Staple	CTL	[0 to 99999999 / 0 / 1]
8-524-004	P:PrtPGS/FIN	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-524-005	P:PrtPGS/FIN	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-006	P:PrtPGS/FIN	Punch	CTL	[0 to 99999999 / 0 / 1]
8-524-007	P:PrtPGS/FIN	Other	CTL	[0 to 99999999 / 0 / 1]
8-524-008	P:PrtPGS/FIN	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-009	P:PrtPGS/FIN	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-010	P:PrtPGS/FIN	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-011	P:PrtPGS/FIN	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-012	P:PrtPGS/FIN	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-524-013	P:PrtPGS/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-524-014	P:PrtPGS/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-525-001	S:PrtPGS/FIN	Sort	CTL	[0 to 99999999 / 0 / 1]
8-525-002	S:PrtPGS/FIN	Stack	CTL	[0 to 99999999 / 0 / 1]
8-525-003	S:PrtPGS/FIN	Staple	CTL	[0 to 99999999 / 0 / 1]
8-525-004	S:PrtPGS/FIN	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-525-005	S:PrtPGS/FIN	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-006	S:PrtPGS/FIN	Punch	CTL	[0 to 99999999 / 0 / 1]
8-525-007	S:PrtPGS/FIN	Other	CTL	[0 to 99999999 / 0 / 1]
8-525-008	S:PrtPGS/FIN	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-009	S:PrtPGS/FIN	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-010	S:PrtPGS/FIN	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-011	S:PrtPGS/FIN	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-012	S:PrtPGS/FIN	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-525-013	S:PrtPGS/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-525-014	S:PrtPGS/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-526-001	L:PrtPGS/FIN	Sort	CTL	[0 to 99999999 / 0 / 1]
8-526-002	L:PrtPGS/FIN	Stack	CTL	[0 to 99999999 / 0 / 1]
8-526-003	L:PrtPGS/FIN	Staple	CTL	[0 to 99999999 / 0 / 1]
8-526-004	L:PrtPGS/FIN	Booklet	CTL	[0 to 99999999 / 0 / 1]
8-526-005	L:PrtPGS/FIN	Z-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-006	L:PrtPGS/FIN	Punch	CTL	[0 to 99999999 / 0 / 1]
8-526-007	L:PrtPGS/FIN	Other	CTL	[0 to 99999999 / 0 / 1]

8-526-008	L:PrtPGS/FIN	Inside-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-009	L:PrtPGS/FIN	Three-IN-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-010	L:PrtPGS/FIN	Three-OUT-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-011	L:PrtPGS/FIN	Four-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-012	L:PrtPGS/FIN	KANNON-Fold	CTL	[0 to 99999999 / 0 / 1]
8-526-013	L:PrtPGS/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-526-014	L:PrtPGS/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-531-001	Staples		CTL	[0 to 99999999 / 0 / 1]
8-541-001	T:GPC Counter	GPC Counter	CTL	[0 to 99999999 / 0 / 1]
8-542-001	C:GPC Counter	GPC Counter	CTL	[0 to 99999999 / 0 / 1]
8-544-001	P:GPC Counter	GPC Counter	CTL	[0 to 99999999 / 0 / 1]
8-551-001	T:PrtBooks/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-551-002	T:PrtBooks/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-552-001	C:PrtBooks/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-552-002	C:PrtBooks/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-554-001	P:PrtBooks/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-554-002	P:PrtBooks/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-556-001	L:PrtBooks/FIN	Perfect-Bind	CTL	[0 to 99999999 / 0 / 1]
8-556-002	L:PrtBooks/FIN	Ring-Bind	CTL	[0 to 99999999 / 0 / 1]
8-561-001	T:A Sheet Of Paper	Total: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-561-002	T:A Sheet Of Paper	Total: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-561-003	T:A Sheet Of Paper	Duplex: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-561-004	T:A Sheet Of Paper	Duplex: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-562-001	C:A Sheet Of Paper	Total: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-562-002	C:A Sheet Of Paper	Total: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-562-003	C:A Sheet Of Paper	Duplex: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-562-004	C:A Sheet Of Paper	Duplex: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-564-001	P:A Sheet Of Paper	Total: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-564-002	P:A Sheet Of Paper	Total: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-564-003	P:A Sheet Of Paper	Duplex: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-564-004	P:A Sheet Of Paper	Duplex: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-566-001	L:A Sheet Of Paper	Total: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-566-002	L:A Sheet Of Paper	Total: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-566-003	L:A Sheet Of Paper	Duplex: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-566-004	L:A Sheet Of Paper	Duplex: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-567-001	O:A Sheet Of Paper	Total: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-567-002	O:A Sheet Of Paper	Total: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-567-003	O:A Sheet Of Paper	Duplex: Over A3/DLT	CTL	[0 to 99999999 / 0 / 1]

8-567-004	O:A Sheet Of Paper	Duplex: Under A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-581-001	T:Counter	Total	CTL	[0 to 99999999 / 0 / 1]
8-581-032	T:Counter	Total(A3)	CTL	[0 to 99999999 / 0 / 1]
8-591-001	O:Counter	A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-591-002	O:Counter	Duplex	CTL	[0 to 99999999 / 0 / 1]
8-591-005	O:Counter	Banner	CTL	[0 to 99999999 / 0 / 1]
8-601-001	T:Coverage Counter	B/W	CTL	[0 to 2147483647 / 0 / 1]
8-601-011	T:Coverage Counter	B/W Printing Pages	CTL	[0 to 99999999 / 0 / 1]
8-602-001	C:Coverage Counter	B/W	CTL	[0 to 2147483647 / 0 / 1]
8-604-001	P:Coverage Counter	B/W	CTL	[0 to 2147483647 / 0 / 1]
8-606-001	L:Coverage Counter	B/W	CTL	[0 to 2147483647 / 0 / 1]
8-617-001	SDK Apli Counter	SDK-1	CTL	[0 to 99999999 / 0 / 1]
8-617-002	SDK Apli Counter	SDK-2	CTL	[0 to 99999999 / 0 / 1]
8-617-003	SDK Apli Counter	SDK-3	CTL	[0 to 99999999 / 0 / 1]
8-617-004	SDK Apli Counter	SDK-4	CTL	[0 to 99999999 / 0 / 1]
8-617-005	SDK Apli Counter	SDK-5	CTL	[0 to 99999999 / 0 / 1]
8-617-006	SDK Apli Counter	SDK-6	CTL	[0 to 99999999 / 0 / 1]
8-621-001	Func Use Counter	Function-001	CTL	[0 to 99999999 / 0 / 1]
8-621-002	Func Use Counter	Function-002	CTL	[0 to 99999999 / 0 / 1]
8-621-003	Func Use Counter	Function-003	CTL	[0 to 99999999 / 0 / 1]
8-621-004	Func Use Counter	Function-004	CTL	[0 to 99999999 / 0 / 1]
8-621-005	Func Use Counter	Function-005	CTL	[0 to 99999999 / 0 / 1]
8-621-006	Func Use Counter	Function-006	CTL	[0 to 99999999 / 0 / 1]
8-621-007	Func Use Counter	Function-007	CTL	[0 to 99999999 / 0 / 1]
8-621-008	Func Use Counter	Function-008	CTL	[0 to 99999999 / 0 / 1]
8-621-009	Func Use Counter	Function-009	CTL	[0 to 99999999 / 0 / 1]
8-621-010	Func Use Counter	Function-010	CTL	[0 to 99999999 / 0 / 1]
8-621-011	Func Use Counter	Function-011	CTL	[0 to 99999999 / 0 / 1]
8-621-012	Func Use Counter	Function-012	CTL	[0 to 99999999 / 0 / 1]
8-621-013	Func Use Counter	Function-013	CTL	[0 to 99999999 / 0 / 1]
8-621-014	Func Use Counter	Function-014	CTL	[0 to 99999999 / 0 / 1]
8-621-015	Func Use Counter	Function-015	CTL	[0 to 99999999 / 0 / 1]
8-621-016	Func Use Counter	Function-016	CTL	[0 to 99999999 / 0 / 1]
8-621-017	Func Use Counter	Function-017	CTL	[0 to 99999999 / 0 / 1]
8-621-018	Func Use Counter	Function-018	CTL	[0 to 99999999 / 0 / 1]
8-621-019	Func Use Counter	Function-019	CTL	[0 to 99999999 / 0 / 1]
8-621-020	Func Use Counter	Function-020	CTL	[0 to 99999999 / 0 / 1]
8-621-021	Func Use Counter	Function-021	CTL	[0 to 99999999 / 0 / 1]

8-621-022	Func Use Counter	Function-022	CTL	[0 to 99999999 / 0 / 1]
8-621-023	Func Use Counter	Function-023	CTL	[0 to 99999999 / 0 / 1]
8-621-024	Func Use Counter	Function-024	CTL	[0 to 99999999 / 0 / 1]
8-621-025	Func Use Counter	Function-025	CTL	[0 to 99999999 / 0 / 1]
8-621-026	Func Use Counter	Function-026	CTL	[0 to 99999999 / 0 / 1]
8-621-027	Func Use Counter	Function-027	CTL	[0 to 99999999 / 0 / 1]
8-621-028	Func Use Counter	Function-028	CTL	[0 to 99999999 / 0 / 1]
8-621-029	Func Use Counter	Function-029	CTL	[0 to 99999999 / 0 / 1]
8-621-030	Func Use Counter	Function-030	CTL	[0 to 99999999 / 0 / 1]
8-621-031	Func Use Counter	Function-031	CTL	[0 to 99999999 / 0 / 1]
8-621-032	Func Use Counter	Function-032	CTL	[0 to 99999999 / 0 / 1]
8-621-033	Func Use Counter	Function-033	CTL	[0 to 99999999 / 0 / 1]
8-621-034	Func Use Counter	Function-034	CTL	[0 to 99999999 / 0 / 1]
8-621-035	Func Use Counter	Function-035	CTL	[0 to 99999999 / 0 / 1]
8-621-036	Func Use Counter	Function-036	CTL	[0 to 99999999 / 0 / 1]
8-621-037	Func Use Counter	Function-037	CTL	[0 to 99999999 / 0 / 1]
8-621-038	Func Use Counter	Function-038	CTL	[0 to 99999999 / 0 / 1]
8-621-039	Func Use Counter	Function-039	CTL	[0 to 99999999 / 0 / 1]
8-621-040	Func Use Counter	Function-040	CTL	[0 to 99999999 / 0 / 1]
8-621-041	Func Use Counter	Function-041	CTL	[0 to 99999999 / 0 / 1]
8-621-042	Func Use Counter	Function-042	CTL	[0 to 99999999 / 0 / 1]
8-621-043	Func Use Counter	Function-043	CTL	[0 to 99999999 / 0 / 1]
8-621-044	Func Use Counter	Function-044	CTL	[0 to 99999999 / 0 / 1]
8-621-045	Func Use Counter	Function-045	CTL	[0 to 99999999 / 0 / 1]
8-621-046	Func Use Counter	Function-046	CTL	[0 to 99999999 / 0 / 1]
8-621-047	Func Use Counter	Function-047	CTL	[0 to 99999999 / 0 / 1]
8-621-048	Func Use Counter	Function-048	CTL	[0 to 99999999 / 0 / 1]
8-621-049	Func Use Counter	Function-049	CTL	[0 to 99999999 / 0 / 1]
8-621-050	Func Use Counter	Function-050	CTL	[0 to 99999999 / 0 / 1]
8-621-051	Func Use Counter	Function-051	CTL	[0 to 99999999 / 0 / 1]
8-621-052	Func Use Counter	Function-052	CTL	[0 to 99999999 / 0 / 1]
8-621-053	Func Use Counter	Function-053	CTL	[0 to 99999999 / 0 / 1]
8-621-054	Func Use Counter	Function-054	CTL	[0 to 99999999 / 0 / 1]
8-621-055	Func Use Counter	Function-055	CTL	[0 to 99999999 / 0 / 1]
8-621-056	Func Use Counter	Function-056	CTL	[0 to 99999999 / 0 / 1]
8-621-057	Func Use Counter	Function-057	CTL	[0 to 99999999 / 0 / 1]
8-621-058	Func Use Counter	Function-058	CTL	[0 to 99999999 / 0 / 1]
8-621-059	Func Use Counter	Function-059	CTL	[0 to 99999999 / 0 / 1]

8-621-060	Func Use Counter	Function-060	CTL	[0 to 99999999 / 0 / 1]
8-621-061	Func Use Counter	Function-061	CTL	[0 to 99999999 / 0 / 1]
8-621-062	Func Use Counter	Function-062	CTL	[0 to 99999999 / 0 / 1]
8-621-063	Func Use Counter	Function-063	CTL	[0 to 99999999 / 0 / 1]
8-621-064	Func Use Counter	Function-064	CTL	[0 to 99999999 / 0 / 1]
8-651-001	T:S-to-Email PGS	B/W	CTL	[0 to 99999999 / 0 / 1]
8-651-002	T:S-to-Email PGS	Color	CTL	[0 to 99999999 / 0 / 1]
8-655-001	S:S-to-Email PGS	B/W	CTL	[0 to 99999999 / 0 / 1]
8-655-002	S:S-to-Email PGS	Color	CTL	[0 to 99999999 / 0 / 1]
8-661-001	T:Deliv PGS/Svr	B/W	CTL	[0 to 99999999 / 0 / 1]
8-661-002	T:Deliv PGS/Svr	Color	CTL	[0 to 99999999 / 0 / 1]
8-665-001	S:Deliv PGS/Svr	B/W	CTL	[0 to 99999999 / 0 / 1]
8-665-002	S:Deliv PGS/Svr	Color	CTL	[0 to 99999999 / 0 / 1]
8-671-001	T:Deliv PGS/PC	B/W	CTL	[0 to 99999999 / 0 / 1]
8-671-002	T:Deliv PGS/PC	Color	CTL	[0 to 99999999 / 0 / 1]
8-675-001	S:Deliv PGS/PC	B/W	CTL	[0 to 99999999 / 0 / 1]
8-675-002	S:Deliv PGS/PC	Color	CTL	[0 to 99999999 / 0 / 1]
8-691-001	T:TX PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-692-001	C:TX PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-694-001	P:TX PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-695-001	S:TX PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-696-001	L:TX PGS/LS		CTL	[0 to 99999999 / 0 / 1]
8-701-001	TX PGS/Port	PSTN-1	CTL	[0 to 99999999 / 0 / 1]
8-701-002	TX PGS/Port	PSTN-2	CTL	[0 to 99999999 / 0 / 1]
8-701-003	TX PGS/Port	PSTN-3	CTL	[0 to 99999999 / 0 / 1]
8-701-004	TX PGS/Port	ISDN(G3,G4)	CTL	[0 to 99999999 / 0 / 1]
8-701-005	TX PGS/Port	Network	CTL	[0 to 99999999 / 0 / 1]
8-711-001	T:Scan PGS/Comp	JPEG/JPEG2000	CTL	[0 to 99999999 / 0 / 1]
8-711-002	T:Scan PGS/Comp	TIFF(Multi/Single)	CTL	[0 to 99999999 / 0 / 1]
8-711-003	T:Scan PGS/Comp	PDF	CTL	[0 to 99999999 / 0 / 1]
8-711-004	T:Scan PGS/Comp	Other	CTL	[0 to 99999999 / 0 / 1]
8-711-005	T:Scan PGS/Comp	PDF/Comp	CTL	[0 to 99999999 / 0 / 1]
8-711-006	T:Scan PGS/Comp	PDF/A	CTL	[0 to 99999999 / 0 / 1]
8-711-007	T:Scan PGS/Comp	PDF(OCR)	CTL	[0 to 99999999 / 0 / 1]
8-711-008	T:Scan PGS/Comp	PDF/Comp(OCR)	CTL	[0 to 99999999 / 0 / 1]
8-715-001	S:Scan PGS/Comp	JPEG/JPEG2000	CTL	[0 to 99999999 / 0 / 1]
8-715-002	S:Scan PGS/Comp	TIFF(Multi/Single)	CTL	[0 to 99999999 / 0 / 1]
8-715-003	S:Scan PGS/Comp	PDF	CTL	[0 to 99999999 / 0 / 1]

8-715-004	S:Scan PGS/Comp	Other	CTL	[0 to 99999999 / 0 / 1]
8-715-005	S:Scan PGS/Comp	PDF/Comp	CTL	[0 to 99999999 / 0 / 1]
8-715-006	S:Scan PGS/Comp	PDF/A	CTL	[0 to 99999999 / 0 / 1]
8-715-007	S:Scan PGS/Comp	PDF(OCR)	CTL	[0 to 99999999 / 0 / 1]
8-715-008	S:Scan PGS/Comp	PDF/Comp(OCR)	CTL	[0 to 99999999 / 0 / 1]
8-721-001	T:Deliv PGS/WSD	B/W	CTL	[0 to 99999999 / 0 / 1]
8-721-002	T:Deliv PGS/WSD	Color	CTL	[0 to 99999999 / 0 / 1]
8-725-001	S:Deliv PGS/WSD	B/W	CTL	[0 to 99999999 / 0 / 1]
8-725-002	S:Deliv PGS/WSD	Color	CTL	[0 to 99999999 / 0 / 1]
8-731-001	T:Scan PGS/Media	B/W	CTL	[0 to 99999999 / 0 / 1]
8-731-002	T:Scan PGS/Media	Color	CTL	[0 to 99999999 / 0 / 1]
8-735-001	S:Scan PGS/Media	B/W	CTL	[0 to 99999999 / 0 / 1]
8-735-002	S:Scan PGS/Media	Color	CTL	[0 to 99999999 / 0 / 1]
8-741-001	RX PGS/Port	PSTN-1	CTL	[0 to 99999999 / 0 / 1]
8-741-002	RX PGS/Port	PSTN-2	CTL	[0 to 99999999 / 0 / 1]
8-741-003	RX PGS/Port	PSTN-3	CTL	[0 to 99999999 / 0 / 1]
8-741-004	RX PGS/Port	ISDN(G3,G4)	CTL	[0 to 99999999 / 0 / 1]
8-741-005	RX PGS/Port	Network	CTL	[0 to 99999999 / 0 / 1]
8-771-001	Dev Counter	Total	CTL	[0 to 99999999 / 0 / 1]
8-781-001	Toner_Botol_Info.	BK	CTL	[0 to 99999999 / 0 / 1]
8-791-001	LS Memory Remain		CTL	[0 to 100 / 0 / 1]
8-801-001	Toner Remain	K	CTL	[0 to 100 / 0 / 1]
8-811-001	Eco Counter	Eco Total	CTL	[0 to 99999999 / 0 / 1]
8-811-004	Eco Counter	Duplex	CTL	[0 to 99999999 / 0 / 1]
8-811-005	Eco Counter	Combine	CTL	[0 to 99999999 / 0 / 1]
8-811-008	Eco Counter	Duplex(%)	CTL	[0 to 100 / 0 / 1]
8-811-009	Eco Counter	Combine(%)	CTL	[0 to 100 / 0 / 1]
8-811-010	Eco Counter	Paper Cut(%)	CTL	[0 to 100 / 0 / 1]
8-811-101	Eco Counter	Eco Totalr:Last	CTL	[0 to 99999999 / 0 / 1]
8-811-104	Eco Counter	Duplex:Last	CTL	[0 to 99999999 / 0 / 1]
8-811-105	Eco Counter	Combine:Last	CTL	[0 to 99999999 / 0 / 1]
8-811-108	Eco Counter	Duplex(%):Last	CTL	[0 to 100 / 0 / 1]
8-811-109	Eco Counter	Combine(%):Last	CTL	[0 to 100 / 0 / 1]
8-811-110	Eco Counter	Paper Cut(%):Last	CTL	[0 to 100 / 0 / 1]
8-851-011	Cvr Cnt:0-10%	0~2%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-021	Cvr Cnt:0-10%	3~4%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-031	Cvr Cnt:0-10%	5~7%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-041	Cvr Cnt:0-10%	8~10%:BK	CTL	[0 to 99999999 / 0 / 1]

8-861-001	Cvr Cnt:11-20%	BK	CTL	[0 to 99999999 / 0 / 1]
8-871-001	Cvr Cnt:21-30%	BK	CTL	[0 to 99999999 / 0 / 1]
8-881-001	Cvr Cnt:31%-	BK	CTL	[0 to 99999999 / 0 / 1]
8-891-001	Page/Toner Bottle	BK	CTL	[0 to 99999999 / 0 / 1]
8-901-001	Page/Toner_Prev1	BK	CTL	[0 to 99999999 / 0 / 1]
8-911-001	Page/Toner_Prev2	BK	CTL	[0 to 99999999 / 0 / 1]
8-921-001	Cvr Cnt/Total	Coverage(%):BK	CTL	[0 to 2147483647 / 0 / 1]
8-921-011	Cvr Cnt/Total	Coverage/P:BK	CTL	[0 to 99999999 / 0 / 1]
8-941-001	Machine Status	Operation Time	CTL	[0 to 99999999 / 0 / 1]
8-941-002	Machine Status	Standby Time	CTL	[0 to 99999999 / 0 / 1]
8-941-003	Machine Status	Energy Save Time	CTL	[0 to 99999999 / 0 / 1]
8-941-004	Machine Status	Low Power Time	CTL	[0 to 99999999 / 0 / 1]
8-941-005	Machine Status	Off Mode Time	CTL	[0 to 99999999 / 0 / 1]
8-941-006	Machine Status	SC	CTL	[0 to 99999999 / 0 / 1]
8-941-007	Machine Status	PrtJam	CTL	[0 to 99999999 / 0 / 1]
8-941-008	Machine Status	OrgJam	CTL	[0 to 99999999 / 0 / 1]
8-941-009	Machine Status	Supply PM Unit End	CTL	[0 to 99999999 / 0 / 1]
8-951-001	AddBook Register	User Code /User ID	CTL	[0 to 99999 / 0 / 1]
8-951-002	AddBook Register	Mail Address	CTL	[0 to 99999 / 0 / 1]
8-951-003	AddBook Register	Fax Destination	CTL	[0 to 99999 / 0 / 1]
8-951-004	AddBook Register	Group	CTL	[0 to 99999 / 0 / 1]
8-951-005	AddBook Register	Transfer Request	CTL	[0 to 99999 / 0 / 1]
8-951-006	AddBook Register	F-Code	CTL	[0 to 99999 / 0 / 1]
8-951-007	AddBook Register	Copy Program	CTL	[0 to 255 / 0 / 1]
8-951-008	AddBook Register	Fax Program	CTL	[0 to 255 / 0 / 1]
8-951-009	AddBook Register	Printer Program	CTL	[0 to 255 / 0 / 1]
8-951-010	AddBook Register	Scanner Program	CTL	[0 to 255 / 0 / 1]
8-961-001	Electricity Status	Ctrl Standby Time	CTL	[0 to 99999999 / 0 / 1]
8-961-002	Electricity Status	STR Time	CTL	[0 to 99999999 / 0 / 1]
8-961-003	Electricity Status	Main Power Off Time	CTL	[0 to 99999999 / 0 / 1]
8-961-004	Electricity Status	Reading and Printing Time	CTL	[0 to 99999999 / 0 / 1]
8-961-005	Electricity Status	Printing Time	CTL	[0 to 99999999 / 0 / 1]
8-961-006	Electricity Status	Reading Time	CTL	[0 to 99999999 / 0 / 1]
8-961-007	Electricity Status	Eng Waiting Time	CTL	[0 to 99999999 / 0 / 1]
8-961-008	Electricity Status	Low Pawer State Time	CTL	[0 to 99999999 / 0 / 1]
8-961-009	Electricity Status	Silent State Time	CTL	[0 to 99999999 / 0 / 1]
8-961-010	Electricity Status	Heater Off State Time	CTL	[0 to 99999999 / 0 / 1]
8-961-011	Electricity Status	LCD on Time	CTL	[0 to 99999999 / 0 / 1]

8-971-001	Unit Control	Engine Off Recovery Count	CTL	[0 to 99999999 / 0 / 1]
8-971-002	Unit Control	Power Off Count	CTL	[0 to 99999999 / 0 / 1]
8-971-003	Unit Control	Force Power Off Count	CTL	[0 to 99999999 / 0 / 1]
8-999-001	Admin. Counter List	Total	CTL	[0 to 99999999 / 0 / 1]
8-999-003	Admin. Counter List	Copy: BW	CTL	[0 to 99999999 / 0 / 1]
8-999-007	Admin. Counter List	Printer: BW	CTL	[0 to 99999999 / 0 / 1]
8-999-012	Admin. Counter List	A3/DLT	CTL	[0 to 99999999 / 0 / 1]
8-999-013	Admin. Counter List	Duplex	CTL	[0 to 99999999 / 0 / 1]
8-999-018	Admin. Counter List	GPC	CTL	[0 to 99999999 / 0 / 1]
8-999-019	Admin. Counter List	GPC Printer	CTL	[0 to 99999999 / 0 / 1]
8-999-023	Admin. Counter List	Copy: BW(%)	CTL	[0 to 2147483647 / 0 / 1]
8-999-027	Admin. Counter List	Printer: BW(%)	CTL	[0 to 2147483647 / 0 / 1]
8-999-032	Admin. Counter List	Banner	CTL	[0 to 99999999 / 0 / 1]
8-999-101	Admin. Counter List	Transmission Total: Color	CTL	[0 to 99999999 / 0 / 1]
8-999-102	Admin. Counter List	Transmission Total: BW	CTL	[0 to 99999999 / 0 / 1]
8-999-104	Admin. Counter List	Scanner Transmission: Color	CTL	[0 to 99999999 / 0 / 1]
8-999-105	Admin. Counter List	Scanner Transmission: BW	CTL	[0 to 99999999 / 0 / 1]

Input Check: Vacuum Feed LCIT RT5100

5808	**[INPUT Check]** Gets information of specified sensor for Vacuum Feed LCT, Bypass Tray.		
5-808-001	2-Tray LCT_1:Port1	ENG	[0 to 255 / **0** / 1]
5-808-002	2-Tray LCT_1:Port2	ENG	[0 to 255 / **0** / 1]
5-808-003	2-Tray LCT_1:Port3	ENG	[0 to 255 / **0** / 1]
5-808-004	2-Tray LCT_1:Port4	ENG	[0 to 255 / **0** / 1]
5-808-005	2-Tray LCT_1:Port5	ENG	[0 to 255 / **0** / 1]
5-808-006	2-Tray LCT_1:Port6	ENG	[0 to 255 / **0** / 1]
5-808-007	2-Tray LCT_1:Port7	ENG	[0 to 255 / **0** / 1]
5-808-008	2-Tray LCT_1:Port8	ENG	[0 to 255 / **0** / 1]
5-808-009	2-Tray LCT_1:Port9	ENG	[0 to 255 / **0** / 1]
5-808-010	2-Tray LCT_1:Port10	ENG	[0 to 255 / **0** / 1]
5-808-011	2-Tray LCT_1:Port11	ENG	[0 to 255 / **0** / 1]
5-808-012	2-Tray LCT_2:Port1	ENG	[0 to 255 / **0** / 1]
5-808-013	2-Tray LCT_2:Port2	ENG	[0 to 255 / **0** / 1]
5-808-014	2-Tray LCT_2:Port3	ENG	[0 to 255 / **0** / 1]
5-808-015	2-Tray LCT_2:Port4	ENG	[0 to 255 / **0** / 1]
5-808-016	2-Tray LCT_2:Port5	ENG	[0 to 255 / **0** / 1]
5-808-017	2-Tray LCT_2:Port6	ENG	[0 to 255 / **0** / 1]
5-808-018	2-Tray LCT_2:Port7	ENG	[0 to 255 / **0** / 1]
5-808-019	2-Tray LCT_2:Port8	ENG	[0 to 255 / **0** / 1]
5-808-020	2-Tray LCT_2:Port9	ENG	[0 to 255 / **0** / 1]
5-808-021	2-Tray LCT_2:Port10	ENG	[0 to 255 / **0** / 1]
5-808-022	2-Tray LCT_2:Port11	ENG	[0 to 255 / **0** / 1]

Port1 bit information

bit	Component	0	1
bit0	Front Door Open/Close Switch	Close	Open
bit1	Multi Bypass Slide Detection	Close	Open
bit2	Bridge Unit Door Open Detection	Close	Open
bit3	Horizontal Transport Open Detection	Close	Open
bit4	Banner Sheet Tray Set Detection Switch	Close	Open
bit5	-	-	-
bit6	-	-	-
bit7	-	-	-

Port2 bit information

Bit	Component	0	1
bit0	Multi Bypass Set Detection	Detect	Not detect
bit1	Bridge Unit Set Detection	Detect	Not detect
bit2	Banner Sheet Tray Set Detection Switch	Detect	Not detect
bit3	-	-	-
Bit4	LCIT Exit Roller Contact Sensor	Not detect	Detect
Bit5	Banner Sheet Tray Lift Switch LED	Detect	Not detect
Bit6	-	-	-
Bit7	-	-	-

Port3 bit information

Bit	Component	0	1
bit0	Tray1 Paper Tray Set Detection	Set	Not set
bit1	Tray1 Paper Feed Belt Set Detection	Set	Not set
bit2	Tray1 Tray Upper Limit Sensor	Detect	Not detect
bit3	-	-	-
bit4	Tray1 Paper Upper Limit Sensor 1	Detect	Not detect
bit5	Tray1 Paper Upper Limit Sensor 2	Detect	Not detect
bit6	Tray1 Sub Paper Remaining Sensor	Not detect	Detect
bit7	Tray1 Paper Lower Limit Sensor	Not detect	Detect

Port4 bit information

Bit	Component	0	1
bit0	Tray1 Paper Size Sensor 1	Not detect	Detect
bit1	Tray1 Paper Size Sensor 2	Not detect	Detect
bit2	Tray1 Paper Size Sensor 3	Not detect	Detect
bit3	Tray1 Paper Size Sensor 4	Not detect	Detect
bit4	Tray1 LCIT Paper Length Sensor 1	Not detect	Detect
bit5	Tray1 LCIT Paper Length Sensor 2	Not detect	Detect
bit6	Tray1 Main Paper Remaining	Not detect	Detect
bit7	Tray1 Paper End Sensor	Detect	Not detect

Port5 bit information

Bit	Component	0	1
bit0	Tray2 Paper Tray Set Detection	Set	Not set
bit1	Tray2 Paper Feed Belt Set Detection	Set	Not set
bit2	Tray2 Tray Upper Limit Sensor	Not detect	Detect
bit3	-	-	-

Bit	Component	0	1
bit4	Tray2 Paper Upper Limit Sensor 1	Detect	Not detect
bit5	Tray2 Paper Upper Limit Sensor 2	Detect	Not detect
bit6	Tray2 Sub Paper Remaining Sensor	Not detect	Detect
bit7	Tray2 Paper Lower Limit Sensor	Not detect	Detect

Port6 bit information

Bit	Component	0	1
Bit0	Tray2 Paper Size Sensor 1	Not detect	Detect
bit1	Tray2 Paper Size Sensor 2	Not detect	Detect
bit2	Tray2 Paper Size Sensor 3	Not detect	Detect
bit3	Tray2 Paper Size Sensor 4	Not detect	Detect
bit4	Tray2 LCIT Paper Length Sensor 1	Not detect	Detect
bit5	Tray2 LCIT Paper Length Sensor 2	Not detect	Detect
bit6	Tray2 Main Paper Remaining	Not detect	Detect
bit7	Tray2 Paper End Sensor	Detect	Not detect

Port7 bit information

Bit	Component	0	1
bit0	Bypass: Tray Lift Switch	Detect	Not detect
bit1	Bypass: Lift Sensor 1	Detect	Not detect
bit2	Bypass: Lift Sensor 2	Detect	Not detect
bit3	Bypass: Paper Height Sensor 1	Not detect	Detect
bit4	Bypass: Paper Height Sensor 2	Not detect	Detect
bit5	Bypass: Tray Lower Limit Sensor	Not detect	Detect
bit6	Bypass: Paper End Sensor	Detect	Not detect
bit7	-	-	-

Port8 bit information

Bit	Component	0	1
bit0	Bypass: Paper Width Switch 1	Detect	Not detect
bit1	Bypass: Paper Width Switch 2	Detect	Not detect
bit2	Bypass: Paper Width Switch 3	Detect	Not detect
bit3	Bypass: Paper Width Switch 4	Detect	Not detect
bit4	Bypass: Paper Width Switch 5	Detect	Not detect
bit5	Bypass: Paper Length Sensor	Detect	Not detect
bit6	-	-	-
bit7	-	-	-

Port9 bit information

Bit	Component	0	1
bit0	Tray1 Paper Feed Sensor	Detect	Not detect
bit1	Tray1 Transport Sensor	Detect	Not detect
bit2	Tray1 Vertical Transport Sensor	Detect	Not detect
bit3	-	-	-
bit4	Tray2 Paper Feed Sensor	Detect	Not detect
bit5	Tray2 Transport Sensor	Detect	Not detect
bit6	Tray2 Vertical Transport Sensor	Detect	Not detect
bit7	-	-	-

Port10 bit information

Bit	Component	0	1
bit0	Bypass: Paper Feed Sensor	Detect	Not detect
bit1	Bypass Transport Sensor 2	Detect	Not detect
bit2	Bypass Transport Sensor 1	Detect	Not detect
bit3	-	-	-
bit4	-	-	-
bit5	-	-	-
bit6	-	-	-
bit7	-	-	-

Port11 bit information

Bit	Component	0	1
bit0	LCIT Exit Sensor	Detect	Not detect
bit1	LCIT Connect Entrance Sensor	Detect	Not detect
bit2	LCIT Connect Exit Sensor	Detect	Not detect
bit3	Horizontal Transport Entrance Sensor	Detect	Not detect
bit4	Horizontal Transport Middle Sensor	Detect	Not detect
bit5	Horizontal Transport Exit Sensor	Detect	Not detect
bit6	-	-	-
bit7	-	-	-

Input Check: Main Machine, RT5070, RT5080, Bypass Tray

5803	[INPUT Check]		
	Gets information of specified sensor.		
5-803-001	Paper Feed 1	E	
Bit	Component	0	1
Bit 0	Rear Fence HP Sensor	Not in HP	HP detected
Bit 1	Rear Fence Return Sensor	Not detected	Detected
Bit 2	Right Tray Paper End Sensor	Not detected	Detected
Bit 3	Left Tray Paper End Sensor	Not detected	Detected
Bit 4	Tandem Tray End Fence Open Sensor: Rear	Not Open	Open
Bit 5	Tandem Tray End Fence Closed Sensor: Rear	Not Closed	Closed
Bit 6	Tandem Tray End Fence Open Sensor: Front	Not open	Open
Bit 7	Tandem Tray End Fence Close Sensor: Front	Not closed	Closed

5-803-002	Paper Feed 2	E	
Bit	Component	0	1
Bit 0	Lower Limit Sensor (Right tandem tray)	Not lowest position	Lowest position
Bit 1	Paper Height Sensor 1	See table below	
Bit 2	Paper Height Sensor 2		
Bit 3	Paper Height Sensor 3		
Bit 4	Paper Height Sensor 4		
Bit 5	1st Paper End Sensor	Detected (Paper in tray)	Not detected (Paper end)
Bit 6	2nd Paper End Sensor	Detected (Paper in tray)	Not detected (Paper end)
Bit 7	3rd Paper End Sensor	Detected (Paper in tray)	Not detected (Paper end)

Table for Paper Height Sensor

Paper Height Sensor 1	0	0	0	0	0	0	1	1
Paper Height Sensor 2	0	0	0	0	1	1	1	0
Paper Height Sensor 3	0	0	1	1	1	0	0	0
Paper Height Sensor 4	0	1	1	0	0	0	0	0
Amount of Paper (%)	100	80	50		25		10	

5-803-003	Paper Feed 3	E	
Bit	Component	0	1
Bit 0	Tray 2 Paper Height Detection 1	See table below	

Bit 1	Tray 2 Paper Height Detection 2		
Bit 2	Tray 2 Paper Size Sensor	See table below	
Bit 3			
Bit 4			
Bit 5			
Bit 6			
Bit 7	(Unused)	-	-

Table for Tray 2 Paper Height Detection

Tray 2 Height Detection 1	1	0	0	1
Tray 2 Height Detection 2	1	1	0	0
Amount of Paper (%)	100	50	30	10

Table for Tray 2 Paper Size Sensor

Paper size		bit 6	bit 5	bit 4	bit 3	bit 2
		SW1	SW2	SW3	SW4	SW5
12x18”	SEF	0	0	0	0	0
A3	SEF	0	0	1	1	0
B4	SEF	0	1	1	0	0
A4	SEF	1	0	1	1	0
	LEF	0	0	1	1	1
B5	SEF	0	1	0	1	0
	LEF	1	1	1	0	0
A5	SEF	0	0	0	1	0
	LEF	1	0	0	1	0
DLT	SEF	0	0	0	1	1
LG	SEF	0	1	0	0	1
LT	SEF	0	0	1	0	1
	LEF	1	0	0	1	1
HLT	SEF	1	0	0	0	1
	LEF	0	0	0	0	1
F4	SEF	0	0	1	0	0
Folio	SEF	1	0	1	0	0
F	SEF	1	0	0	0	0
Executive	SEF	0	1	0	1	1
	LEF	1	1	0	0	0
8 Kai 267x388mm	SEF	1	1	0	0	1
16 Kai194x267mm	SEF	0	1	1	0	1
	LEF	0	1	0	0	0

5-803-004	Paper Feed 4	E	
Bit	Component	0	1
Bit 0	Tray 3 Paper Height Detection 1	See table below	
Bit 1	Tray 3 Paper Height Detection 2		
Bit 2	Tray 3 Paper Size Sensor	See table below	
Bit 3			
Bit 4			
Bit 5			
Bit 6			
Bit 7	(Unused)	-	-

Table for Tray 3 Paper Height Detection

Tray 3 Height Detection 1	1	0	0	1
Tray 3 Height Detection 2	1	1	0	0
Amount of Paper (%)	100	50	30	10

Table for Tray 3 Paper Size Sensor

Paper size		bit 6	bit 5	bit 4	bit 3	bit 2
		SW1	SW2	SW3	SW4	SW5
12x18”	SEF	0	0	0	0	0
A3	SEF	0	0	1	1	0
B4	SEF	0	1	1	0	0
A4	SEF	1	0	1	1	0
	LEF	0	0	1	1	1
B5	SEF	0	1	0	1	0
	LEF	1	1	1	0	0
A5	SEF	0	0	0	1	0
	LEF	1	0	0	1	0
DLT	SEF	0	0	0	1	1
LG	SEF	0	1	0	0	1
LT	SEF	0	0	1	0	1
	LEF	1	0	0	1	1
HLT	SEF	1	0	0	0	1
	LEF	0	0	0	0	1
F4	SEF	0	0	1	0	0
Folio	SEF	1	0	1	0	0
F	SEF	1	0	0	0	0
Executive	SEF	0	1	0	1	1

	LEF	1	1	0	0	0
8 Kai 267x388mm	SEF	1	1	0	0	1
16 Kai 194x267mm	SEF	0	1	1	0	1
	LEF	0	1	0	0	0

5-803-005	Paper Feed 5	E	
Bit	Component	0	1
Bit 0	1st Paper Upper Limit Sensor	Not detected	Detected
Bit 1	2nd Paper Upper Limit Sensor	Not detected	Detected
Bit 2	3rd Paper Upper Limit Sensor	Not detected	Detected
Bit 3	(Unused)	-	-
Bit 4	(Unused)	-	-
Bit 5	1st Paper Feed Sensor	Detected	Not detected
Bit 6	2nd Paper Feed Sensor	Detected	Not detected
Bit 7	3rd Paper Feed Sensor	Detected	Not detected

5-803-006	Paper Feed 6	E	
Bit	Component	0	1
Bit 0	1st Transport Sensor	Detected	Not detected
Bit 1	2nd Transport Sensor	Detected	Not detected
Bit 2	3rd Transport Sensor	Detected	Not detected
Bit 3	Vertical Transport Sensor	Detected	Not detected
Bit 4	Main Relay Sensor	Detected	Not detected
Bit 5	Registration Entrance Sensor	Detected	Not detected
Bit 6	LCT Relay Sensor	Detected	Not detected
Bit 7	Registration Timing Sensor	Detected	Not detected

5-803-007	Paper Feed 7	E	
Bit	Component	0	1
Bit 0	Transfer Timing Sensor	Detected	Not detected
Bit 1	Transport Roller Separation Sensor	Detected	Not detected
Bit 2	Fusing Exit Sensor: Center	Detected	Not detected
Bit 3	Pressure Roller Paper Sensor	Not detected	Detected
Bit 4	Fusing Belt Sensor	Not detected	Detected
Bit 5	Exit Junction Sensor	Detected	Not detected
Bit 6	Exit Sensor	Detected	Not detected
Bit 7	Exit Invert Sensor	Detected	Not detected

5-803-008	Paper Feed 8	E	
Bit	Component	0	1
Bit 0	Duplex Invert Sensor	Detected	Not detected
Bit 1	Duplex Transport Sensor 1	Detected	Not detected
Bit 2	Duplex Transport Sensor 2	Detected	Not detected
Bit 3	Duplex Transport Sensor 3	Detected	Not detected
Bit 4	Duplex Transport Sensor 4	Detected	Not detected
Bit 5	Duplex Transport Sensor 5	Detected	Not detected
Bit 6	Duplex Transport Sensor 6	Detected	Not detected
Bit 7	Duplex Unit Exit Sensor	Detected	Not detected

5-803-009	Paper Feed 9	E	
Bit	Component	0	1
Bit 0	Purge Relay Sensor	Detected	Not detected
Bit 1	Purged Paper Sensor	Not detected	Detected
Bit 2	(Unused)	-	-
Bit 3	(Unused)	-	-
Bit 4	(Unused)	-	-
Bit 5	Registration Gate Roller HP Sensor	Not in HP	HP detected
Bit 6	LE Shift Unit HP Sensor	Not in HP	HP detected
Bit 7	TE Shift Unit HP Sensor	Not in HP	HP detected

5-803-010	Paper Feed 10	E	
Bit	Component	0	1
Bit 0	Main Relay HP Sensor	Not in HP (Roller separated)	HP detected (Roller in contact)
Bit 1	LCT Relay HP Sensor	Not in HP (Roller separated)	HP detected (Roller in contact)
Bit 2	Exit Junction Gate HP Sensor	Invert path	Straight path
Bit 3	Invert Exit HP Sensor	HP detected (Roller in contact)	Not in HP (Roller separated)
Bit 4	Decurl Unit HP Sensor	Not in HP	HP detected
Bit 5	Decurl Unit Limit Sensor	Normal	Over limit
Bit 6	(Unused)	-	-
Bit 7	(Unused)	-	-

5803	**[INPUT Check]**

	Gets information of specified sensor for RT5070, RT5080, and Bypass Tray.		
5-803-027	LCT-CPU-Port1	E	[0 to 255 / **0** / 1]
5-803-028	LCT-CPU-Port7	E	[0 to 255 / **0** / 1]
5-803-029	LCT-CPU-Port9	E	[0 to 255 / **0** / 1]
5-803-030	LCT-eIO1-PortB	E	[0 to 255 / **0** / 1]
5-803-031	LCT-eIO1-PortC	E	[0 to 255 / **0** / 1]
5-803-032	LCT-eIO1-PortD	E	[0 to 255 / **0** / 1]
5-803-033	LCT-eIO2-PortB	E	[0 to 255 / **0** / 1]
5-803-034	LCT-eIO2-PortC	E	[0 to 255 / **0** / 1]
5-803-035	LCT-eIO2-PortD	E	[0 to 255 / **0** / 1]
5-803-036	LCT-eIO3-PortB	E	[0 to 255 / **0** / 1]
5-803-037	LCT-eIO3-PortC	E	[0 to 255 / **0** / 1]
5-803-038	LCT-eIO3-PortD	E	[0 to 255 / **0** / 1]
5-803-039	LCT-eIO4-PortB	E	[0 to 255 / **0** / 1]
5-803-040	LCT-eIO4-PortC	E	[0 to 255 / **0** / 1]
5-803-041	LCT-eIO4-PortD	E	[0 to 255 / **0** / 1]

CPU-Port1 (5-803-027 / A4 LCT and A3 LCT) bit information

Bit	Component	0	1
bit0	-	-	-
bit1	-	-	-
bit2	-	-	-
bit3	-	-	-
bit4	-	-	-
bit5	-	-	-
bit6	-	-	-
bit7	Exit Roller Lift HP Sensor	Not Detect	Detect

CPU-Port7 (5-803-028/ A4 LCT and A3 LCT) bit information

Bit	Component	0	1
bit0	-	-	-
bit1	-	-	-
bit2	-	-	-
bit3	-	-	-
bit4	-	-	-
bit5	Door Safety Switch	Close	Open
bit6	-	-	-
bit7	-	-	-

CPU-Port9 (5-803-029 /A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	Dip SW002-1	ON	OFF
bit1	Dip SW002-2	ON	OFF
bit2	Dip SW002-3	ON	OFF
bit3	Dip SW002-4	ON	OFF
bit4	Dip SW002-5	ON	OFF
bit5	Dip SW002-6	ON	OFF
bit6	Dip SW002-7	ON	OFF
bit7	Dip SW002-8	ON	OFF

eIO1-PortB (5-803-030/ A4 LCT and A3 LCT) bit information

Bit	Component	0	1
bit0	1st tray Paper Height Sensor 1	Not Detect	Detect
bit1	1st tray Paper Height Sensor 2	Not Detect	Detect
bit2	1st tray Paper Height Sensor 3	Not Detect	Detect
bit3	1st tray Paper Height Sensor 4	Not Detect	Detect
bit4	1st tray Paper Width Sensor 1	Not Detect	Detect
bit5	1st tray Paper Width Sensor 2	Not Detect	Detect
bit6	1st tray Paper Width Sensor 3	Not Detect	Detect
bit7	1st tray Paper Length Sensor (A3 LCT only)	Not Detect	Detect

eIO1-PortC (5-803-031/ A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	1st tray Paper Feed Unit Set Detection (TCRU)	Set	Not Set
bit1	1st tray Paper End Sensor	Detect	Not Detect
bit2	1st tray Lift Sensor	Detect	Not Detect
bit3	1st tray Paper Feed Sensor	Detect	Not Detect
bit4	-	-	-
bit5	1st tray Air Assist Fan (Rear) Alarm (A3 LCT only)	Normal	Abnormal
bit6	1st tray Air Assist Fan (Front) Alarm (A3 LCT only)	Normal	Abnormal
bit7	1st tray Set Detection (A3 LCT only)	Set	Not Set

eIO1-PortD (5-803-032 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	Dip SW100-4	ON	OFF
bit1	Dip SW100-3	ON	OFF
bit2	Dip SW100-2	ON	OFF
bit3	Dip SW100-1	ON	OFF

bit	Component	0	1
bit4	LCT Exit Sensor	Detect	Not Detect
bit5	1st tray Relay Sensor1 (Upper) (A4 LCT) 1st tray Relay Sensor2 (Upper) (A3 LCT)	Detect	Not Detect
bit6	1st tray Relay Sensor2 (Lower) (A3 LCT only)	Detect	Not Detect
bit7	1st tray Transport Sensor	Detect	Not Detect

eIO2-PortB (5-803-033 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	2nd Tray Paper Height Sensor 1	Not Detect	Detect
bit1	2nd Tray Paper Height Sensor 2	Not Detect	Detect
bit2	2nd Tray Paper Height Sensor 3	Not Detect	Detect
bit3	2nd Tray Paper Height Sensor 4	Not Detect	Detect
bit4	2nd Tray Paper Width Sensor 1	Not Detect	Detect
bit5	2nd Tray Paper Width Sensor 2	Not Detect	Detect
bit6	2nd Tray Paper Width Sensor 3	Not Detect	Detect
bit7	2nd Tray Paper Length Sensor (A3 LCT only)	Not Detect	Detect

eIO2-PortC (5-803-034 / A4 LCT and A3 LCT) bit information

Bit	Component	0	1
bit0	2nd tray Paper Feed Unit Set Detection (TCRU)	Set	Not Set
bit1	2nd tray Paper End Sensor	Detect	Not Detect
bit2	2nd tray Lift Sensor	Detect	Not Detect
bit3	2nd tray Paper Feed Sensor	Detect	Not Detect
bit4	-	-	-
bit5	2nd tray Air Assist Fan (Rear) Alarm	Normal	Abnormal
bit6	2nd tray Air Assist Fan (Front) Alarm	Normal	Abnormal
bit7	2nd tray Set Detection	Set	Not Set

eIO2-PortD (5-803-035 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	Dip SW200-4	ON	OFF
bit1	Dip SW200-3	ON	OFF
bit2	Dip SW200-2	ON	OFF
bit3	Dip SW200-1	ON	OFF
bit4	-	-	-
bit5	-	-	-
bit6	2nd tray Relay Sensor (A3 LCT only)	Detect	Not Detect
bit7	2nd tray Transport Sensor	Detect	Not Detect

eIO3-PortB (5-803-036 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	1st tray Paper Height Sensor 1	Not Detect	Detect
bit1	1st tray Paper Height Sensor 2	Not Detect	Detect
bit2	1st tray Paper Height Sensor 3	Not Detect	Detect
bit3	1st tray Paper Height Sensor 4	Not Detect	Detect
bit4	1st tray Paper Width Sensor 1	Not Detect	Detect
bit5	1st tray Paper Width Sensor 2	Not Detect	Detect
bit6	1st tray Paper Width Sensor 3	Not Detect	Detect
bit7	1st tray Paper Length Sensor	Not Detect	Detect

eIO3-PortC (5-803-037 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	3rd tray Paper Feed Unit Set Detection (TCRU)	Set	Not Set
bit1	3rd tray Paper End Sensor	Detect	Not Detect
bit2	3rd tray Lift Sensor	Detect	Not Detect
bit3	3rd tray Paper Feed Sensor	Detect	Not Detect
bit4	-	-	-
bit5	3rd tray Air Assist Fan (Rear) Alarm (A3 LCT only)	Normal	Abnormal
bit6	3rd tray Air Assist Fan (Front) Alarm (A3 LCT only)	Normal	Abnormal
bit7	3rd tray Set Detection (A3 LCT only)	Set	Not Set

eIO3-PortD (5-803-038 / A4 LCT and A3 LCT) bit information

bit	Component	0	1
bit0	-	-	-
bit1	-	-	-
bit2	-	-	-
bit3	-	-	-
bit4	-	-	-
bit5	-	-	-
bit6	3rd tray Relay Sensor (A3 LCT only)	Detect	Not Detect
bit7	3rd tray Transport Sensor	Detect	Not Detect

eIO4-PortB (5-803-039/ Multi Bypass Tray) bit information

bit	Component	0	1
bit0	Bypass: Lift Sensor 1	Not Detect	Detect
bit1	Bypass: Lift Sensor 2	Not Detect	Detect
bit2	Bypass: Paper Width Switch 1	Detect	Not Detect
bit3	Bypass: Paper Width Switch 2	Detect	Not Detect

bit	Component	0	1
bit4	Bypass: Paper Width Switch 3	Detect	Not Detect
bit5	Bypass: Paper Width Switch 4	Detect	Not Detect
bit6	Bypass: Paper Width Switch 5	Detect	Not Detect
bit7	Bypass: Paper Length Sensor	Detect	Not Detect

eIO4-PortC (5-803-040/ Multi Bypass Tray) bit information

bit	Component	0	1
bit0	Bypass: Tray Lower Limit Sensor	Not Detect	Detect
bit1	Bypass: Paper End Sensor	Detect	Not Detect
bit2	Bypass: Paper Height Sensor 1	Detect	Not Detect
bit3	Bypass: Paper Feed Sensor	Detect	Not Detect
bit4	-	-	-
bit5	Bypass: Tray Lift Switch	ON	OFF
bit6	Multi Bypass Slide Detection	Close	Open
bit7	Multi Bypass Set Detection	Set	Not Set

eIO4-PortD (5-803-041/ Multi Bypass Tray) bit information

bit	Component	0	1
bit0	-	-	-
bit1	-	-	-
bit2	-	-	-
bit3	Bypass: Paper Height Sensor 2	Detect	Not Detect
bit4	-	-	-
bit5	-	-	-
bit6	-	-	-
bit7	Bypass Transport Sensor 1	Detect	Not Detect

5803	**[INPUT Check]**		
	Gets information of specified sensor.		
5-803-051	VODKA1 GPIO1	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	ITB/PTR Drive Motor	Normal	Abnormal
Bit 6	Drum Motor	Normal	Abnormal

Bit 7	Drum Cleaning Unit Motor	Normal	Abnormal

5-803-053	VODKA1 GPIO3	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	IOB version 1	Mass production:	
Bit 5	IOB version 2	Bit 4: 1, Bit 5: 1, bit 6: 0, bit 7: 0	
Bit 6	IOB version 3		
Bit 7	IOB version 4		

5-803-057	VODKA1 GPIO7	E	
Bit	Component	0	1
Bit 0	Ozone Air Intake Fan	Normal	Abnormal
Bit 1	Right Air Intake Fan: Front	Normal	Abnormal
Bit 2	Right Air Intake Fan: Center	Normal	Abnormal
Bit 3	Lubricant End Sensor	End	Remaining
Bit 4	Laser Unit Cooling Fan	Normal	Abnormal
Bit 5	Cleaning Pad HP Sensor	Not in HP	HP detected
Bit 6	Dev. Unit Cooling Fan :Rear	Normal	Abnormal
Bit 7	Dev. Cleaning Set	Set	Not set

5-803-058	VODKA1 GPIO8	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	Key counter set: Bit 1: 1, Bit 2: 0	
Bit 2	-		
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-061	VODKA1 GPIO11	E	
Bit	Component	0	1
Bit 0	-	-	-

Bit 1	-	-	-
Bit 2	CIS Cleaning Fan	Normal	Abnormal
Bit 3	Paper Separation Power Pack	Normal	SC detected
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-062	VODKA1 GPIO12	E	
Bit	Component	0	1
Bit 0	Used Toner Bottle Set	Set	Not set
Bit 1	Used Toner Bottle Full Sensor	Detected (Full status)	Not detected
Bit 2	Used Toner Bottle Near Full Sensor	Not detected	Detected (Near full)
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-063	VODKA1 GPIO13	E	
Bit	Component	0	1
Bit 0	PSU Cooling Fan: Right	Abnormal	Normal
Bit 1	PSU Cooling Fan: Left	Abnormal	Normal
Bit 2	PSU Air Exhaust Fan: M2: Left	Abnormal	Normal
Bit 3	PSU Air Exhaust Fan: M1: Left	Abnormal	Normal
Bit 4	PSU Air Intake Fan: M2: Right	Abnormal	Normal
Bit 5	PSU Air Intake Fan: M1: Right	Abnormal	Normal
Bit 6	-	-	-
Bit 7	-	-	-

5-803-067	VODKA1 GPIO17	E	
Bit	Component	0	1
Bit 0	Right Air Intake Fan: Center	Normal	Abnormal
Bit 1	Charge Wire Cleaner Motor (driver)	Abnormal	Normal
Bit 2	Toner Feed Motor (driver)	Abnormal	Normal
Bit 3	Toner Agitator Motor (driver)	Abnormal	Normal
Bit 4	Toner Supply Bottle End Sensor	Empty	Remaining

Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-082	VODKA2 GPIO1	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	Fusing Transport Exhaust Fan	Normal	Abnormal
Bit 3	Fusing Exhaust Fan: Lower	Normal	Abnormal
Bit 4	Fusing Exhaust Fan: Upper	Normal	Abnormal
Bit 5	Paper Exit Exhaust Fan: Lower Right	Abnormal	Normal
Bit 6	Paper Exit Exhaust Fan: Lower Left	Abnormal	Normal
Bit 7	Exit Motor	Normal	Abnormal

5-803-091	VODKA2 GPIO10	E	
Bit	Component	0	1
Bit 0	Dev. Roller Rotation Detect Signal	Detected	Not detected
Bit 1	Development Motor	Normal	Abnormal
Bit 2	Development Unit Set	Set	Not set
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-092	VODKA2 GPIO11	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	PTB Fan: Rear	Normal	Abnormal
Bit 3	PTB Fan: Front	Normal	Abnormal
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-093	VODKA2 GPIO12	E	

Bit	Component	0	1
Bit 0	Duplex Transport Sensor 5	Detected	Not detected
Bit 1	Duplex Transport Sensor 6	Detected	Not detected
Bit 2	Duplex Unit Exit Sensor	Detected	Not detected
Bit 3	Transport Roller Separation Sensor	Detected	Not detected
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-094	VODKA2 GPIO13	E	
Bit	Component	0	1
Bit 0	DRB set detection	Not set	set
Bit 1	DRB Motor	Abnormal	Normal
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-098	VODKA2 GPIO17	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	Double Feed Sensor Sensitivity	Low	High
Bit 6	-	-	-
Bit 7	-	-	-

5-803-100	VODKA2 GPIO19	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-

Bit 4	-	-	-
Bit 5	NC Sensor High Temp. Detection: Center 2	Abnormal	Normal
Bit 6	Thermistor High Temp. Detection 2	Abnormal	Normal
Bit 7	-	-	-

5-803-108	VODKA2 GPIO27	E	
Bit	Component	0	1
Bit 0	Duplex Transport Sensor 4	Detected	Not detected
Bit 1	PTR Fan: Front	Normal	Abnormal
Bit 2	Registration Entrance Sensor	Detected	Not detected
Bit 3	LCT Relay Sensor	Detected	Not detected
Bit 4	Used Toner Bottle Motor	Normal	Abnormal
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-113	VODKA3 GPIO1	E	
Bit	Component	0	1
Bit 0	DIPSW1 (IOB)	ON	OFF
Bit 1	DIPSW2 (IOB)	ON	OFF
Bit 2	DIPSW3 (IOB)	ON	OFF
Bit 3	DIPSW4 (IOB)	ON	OFF
Bit 4	DIPSW5 (IOB)	ON	OFF
Bit 5	DIPSW6 (IOB)	ON	OFF
Bit 6	DIPSW7 (IOB)	ON	OFF
Bit 7	DIPSW8 (IOB)	ON	OFF

5-803-114	VODKA3 GPIO2	E	
Bit	Component	0	1
Bit 0	Tandem Tray End Fence Open Sensor: Rear	Not Open	Open
Bit 1	Tandem Tray End Fence Closed Sensor: Rear	Not Closed	Closed
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-119	VODKA3 GPIO7	E	
Bit	Component	0	1
Bit 0	Fusing Air Intake Fan: Lower Right	Abnormal	Normal
Bit 1	-	-	-
Bit 2	Fusing Air Intake Fan: Lower Left	Abnormal	Normal
Bit 3	Duplex Fan: Lower Rear	Normal	Abnormal
Bit 4	Duplex Fan: Lower Front	Normal	Abnormal
Bit 5	HP Cooling Exhaust Fan	Normal	Abnormal
Bit 6	HP Front Exhaust Fan Lock	Normal	Abnormal
Bit 7	-	-	-

5-803-120	VODKA3 GPIO8	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	Key Card Set	Set	Not set
Bit 2	Toner Bottle Cap Sensor: Left	Closed	Open
Bit 3	Toner Bottle Cap Sensor: Right	Closed	Open
Bit 4	Toner Bottle Set Sensor: Left	Set	Not set
Bit 5	Toner Bottle Set Sensor: Right	Set	Not set
Bit 6	-	-	-
Bit 7	-	-	-

5-803-122	VODKA3 GPIO10	E	
Bit	Component	0	1
Bit 0	HP Cooling Suction Fan	Normal	Abnormal
Bit 1	Duplex/Exit drawer set	Set	Not set
Bit 2	Motor drivers on EDRB	Abnormal	Normal
Bit 3	Fusing Motor	Abnormal	Normal
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-123	VODKA3 GPIO11	E	
Bit	Component	0	1
Bit 0	Used Toner Collection Motor	Normal	Abnormal
Bit 1	Ozone Air Exhaust Fan	Normal	Abnormal

Bit 2	PTR Fan: Rear	Normal	Abnormal
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-125	VODKA3 GPIO13	E	
Bit	Component	0	1
Bit 0	Thermopile: Rear	Abnormal	Normal
Bit 1	Thermopile: Near Front	Abnormal	Normal
Bit 2	Thermopile: Front	Abnormal	Normal
Bit 3	Heating Roller NC Sensor: Center High Temp. Detection	Abnormal	Normal
Bit 4	Heating Roller NC Sensor: End High Temp. Detection	Abnormal	Normal
Bit 5	Fusing Heat Thermistor: Rear High Temp. Detection	Abnormal	Normal
Bit 6	Pressure Roller Thermistor High Temp. Detection	Abnormal	Normal
Bit 7	-	-	-

5-803-129	VODKA3 GPIO17	E	
Bit	Component	0	1
Bit 0	Tray 3 Paper Size Sensor	See the table belew	
Bit 1			
Bit 2			
Bit 3			
Bit 4			
Bit 5	Motor drivers on RYB	Abnormal	Normal
Bit 6	-	-	-
Bit 7	-	-	-

Table for Tray 3 Paper Size Sensor

Paper size		Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
		SW1	SW2	SW3	SW4	SW5
12x18”	SEF	0	0	0	0	0
A3	SEF	0	0	1	1	0
B4	SEF	0	1	1	0	0

A4	SEF	1	0	1	1	0
	LEF	0	0	1	1	1
B5	SEF	0	1	0	1	0
	LEF	1	1	1	0	0
A5	SEF	0	0	0	1	0
	LEF	1	0	0	1	0
DLT	SEF	0	0	0	1	1
LG	SEF	0	1	0	0	1
LT	SEF	0	0	1	0	1
	LEF	1	0	0	1	1
HLT	SEF	1	0	0	0	1
	LEF	0	0	0	0	1
F4	SEF	0	0	1	0	0
Folio	SEF	1	0	1	0	0
F	SEF	1	0	0	0	0
Executive	SEF	0	1	0	1	1
	LEF	1	1	0	0	0
8 Kai 267x388mm	SEF	1	1	0	0	1
16 Kai 194x267mm	SEF	0	1	1	0	1
	LEF	0	1	0	0	0

5-803-131	VODKA3 GPIO19	E	
Bit	Component	0	1
Bit 0	CGB Power Pack: Charge 1 error	Normal	SC detected
Bit 1	CGB Power Pack: Grid error	Normal	SC detected
Bit 2	CGB Power Pack: Bias error	Normal	SC detected
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-132	VODKA3 GPIO20	E	
Bit	Component	0	1
Bit 0	CGB Power Pack: Charge 2 error	Normal	Abnormal
Bit 1	-	-	-
Bit 2	-	-	-

Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-134	VODKA3 GPIO22	E	
Bit	Component	0	1
Bit 0	Tray 3 Paper Height Detection 1	See table below	
Bit 1	Tray 3 Paper Height Detection 2		
Bit 2	Tray 2 Paper Height Detection 1		
Bit 3	Tray 2 Paper Height Detection 2		
Bit 4	1st Paper Upper Limit Sensor	Not detected	Detected
Bit 5	2nd Paper Upper Limit Sensor	Not detected	Detected
Bit 6	3rd Paper Upper Limit Sensor	Not detected	Detected
Bit 7	Used toner collection lock detection	Detected	Not detected

Table for Tray 2/3 Height Detection

Tray 2/3 Height Detection 1	1	0	0	1
Tray 2/3 Height Detection 2	1	1	0	0
Amount of Paper (%)	100	50	30	10

5-803-140	VODKA3 GPIO28	E	
Bit	Component	0	1
Bit 0	Transfer Power Pack: T1 error	Normal	SC detected
Bit 1	Transfer Power Pack: T2 error	Normal	SC detected
Bit 2	ITB/PTR Drive Motor	Normal	Abnormal
Bit 3	Motor drivers on TDRB	Abnormal	Normal
Bit 4	PTR Separation Sensor	PTR in contact	PTR separated
Bit 5	ITB Cleaning Unit set	Set	Not set
Bit 6	ITB Unit set	Set	Not Set
Bit 7	-	-	-

5-803-142	VODKA3 GPIO30	E	
Bit	Component	0	1
Bit 0	3rd Paper Feed Sensor	Detected	Not detected
Bit 1	2nd Paper Feed Sensor	Detected	Not detected
Bit 2	1st Paper Feed Sensor	Detected	Not detected

Bit 3	2nd Transport Sensor	Detected	Not detected
Bit 4	3rd Transport Sensor	Detected	Not detected
Bit 5	Tandem Tray End Fence Close Sensor: Front	Not closed	Closed
Bit 6	Fusing Cooling Fan	Abnormal	Normal
Bit 7	-	-	-

5-803-144	VODKA4 GPIO1	E	
Bit	Component	0	1
Bit 0	Exit Sensor	Detected	Not detected
Bit 1	Purge Relay Sensor	Detected	Not detected
Bit 2	Duplex Transport Sensor 1	Detected	Not detected
Bit 3	Duplex Transport Sensor 2	Detected	Not detected
Bit 4	Duplex Transport Sensor 3	Detected	Not detected
Bit 5	Invert Exit HP Sensor	Not in HP (Roller separated)	HP detected (Roller in contact)
Bit 6	Exit Junction Gate HP Sensor	Straight path	Invert path
Bit 7	Left Tray Paper End Sensor	Detected	Not detected

5-803-145	VODKA4 GPIO2	E	
Bit	Component	0	1
Bit 0	Right Tray Paper End Sensor	Not detected	Detected
Bit 1	Exit Junction Sensor	Detected	Not detected
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-146	VODKA4 GPIO3	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	Fusing Exit Sensor: Center	Detected	Not detected
Bit 5	Fusing Unit Set	Set	Not set
Bit 6	Pressure Roller Lift Sensor B	-	Excess pressure

Bit 7	Pressure Roller Lift Sensor A	-	HP detected

5-803-150	VODKA4 GPIO7	E	
Bit	Component	0	1
Bit 0	Fusing Belt Sensor	Detected	Not detected
Bit 1	-	-	-
Bit 2	Fusing Unit Set (DOM)	Set	Not set
Bit 3	Fusing Unit Set (EU)	Set	Not set
Bit 4	Fusing Unit Set (NA)	Set	Not set
Bit 5	Fusing Exit Sensor: Rear	Detected	Not detected
Bit 6	Development Cooling Fan: Front	Normal	Abnormal
Bit 7	Web End Sensor	-	End

5-803-151	VODKA4 GPIO8	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	Pressure Roller Paper Sensor	Detected	Not detected
Bit 2	-	-	-
Bit 3	Decurl Feed Motor	Normal	Abnormal
Bit 4	Decurl Unit Motor	Normal	Abnormal
Bit 5	Belt Cleaning Fan	Normal	Abnormal
Bit 6	-	-	-
Bit 7	-	-	-

5-803-153	VODKA4 GPIO10	E	
Bit	Component	0	1
Bit 0	Decurl Unit Limit Sensor	Normal	Over limit
Bit 1	-	-	-
Bit 2	ID Sensor Fan	Normal	Abnormal
Bit 3	Decurl Unit Set	Set	Not set
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-154	VODKA4 GPIO11	E	
Bit	Component	0	1
Bit 0	Lower Limit Sensor (Right tandem tray)	Not lowest position	Lowest position

Bit 1	Tandem Tray End Fence Open Sensor: Front	Not open	Open
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-157	VODKA4 GPIO14	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	Toner Bottle Cover Switch	Closed	Open
Bit 3	+5V supply detection (PSU-C)	ON	OFF
Bit 4	Tray 3 Set Switch	Set	Not set
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-158	VODKA4 GPIO15	E	
Bit	Component	0	1
Bit 0	-	-	-
Bit 1	-	-	-
Bit 2	Front door	Closed	Open
Bit 3	+24VS1 supply detection (PSU-A)	ON	OFF
Bit 4	Tray 2 Set Switch	Set	Not set
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-160	VODKA4 GPIO17	E	
Bit	Component	0	1
Bit 0	Tray 2 Paper Size Sensor	See table below	
Bit 1			
Bit 2			
Bit 3			
Bit 4			
Bit 5	-	-	-

Bit 6	-	-	-
Bit 7	-	-	-

Table for Tray 2 Paper Size Sensor

Paper size		bit 4	bit 3	bit 2	bit 1	bit 0
		SW1	SW2	SW3	SW4	SW5
12x18”	SEF	0	0	0	0	0
A3	SEF	0	0	1	1	0
B4	SEF	0	1	1	0	0
A4	SEF	1	0	1	1	0
	LEF	0	0	1	1	1
B5	SEF	0	1	0	1	0
	LEF	1	1	1	0	0
A5	SEF	0	0	0	1	0
	LEF	1	0	0	1	0
DLT	SEF	0	0	0	1	1
LG	SEF	0	1	0	0	1
LT	SEF	0	0	1	0	1
	LEF	1	0	0	1	1
HLT	SEF	1	0	0	0	1
	LEF	0	0	0	0	1
F4	SEF	0	0	1	0	0
Folio	SEF	1	0	1	0	0
F	SEF	1	0	0	0	0
Executive	SEF	0	1	0	1	1
	LEF	1	1	0	0	0
8 Kai 267x388mm	SEF	1	1	0	0	1
16 Kai 194x267mm	SEF	0	1	1	0	1
	LEF	0	1	0	0	0

5-803-162	VODKA4 GPIO19	E	
Bit	Component	0	1
Bit 0	+24V2 power detection (PSU-C)	ON	OFF
Bit 1	-	-	-
Bit 2	1st Paper End Sensor	Detected (Paper in tray)	Not detected (Paper end)
Bit 3	2nd Paper End Sensor	Detected	Not detected (Paper end)

		(Paper in tray)	
Bit 4	3rd Paper End Sensor	Detected (Paper in tray)	Not detected (Paper end)
Bit 5	Purged Paper Sensor	Not detected	Detected
Bit 6	-	-	-
Bit 7	-	-	-

5-803-163	VODKA4 GPIO20	E	
Bit	Component	0	1
Bit 0	+24VS2 power detection (PSU-C)	ON	OFF
Bit 1	-	-	-
Bit 2	-	-	-
Bit 3	-	-	-
Bit 4	-	-	-
Bit 5	-	-	-
Bit 6	-	-	-
Bit 7	-	-	-

5-803-164	VODKA4 GPIO21	E	
Bit	Component	0	1
Bit 0	Rear Fence HP Sensor	Not in HP	HP detected
Bit 1	Rear Fence Return Sensor	Not detected	Detected
Bit 2	Paper Height Sensor 1	See table below.	
Bit 3	Paper Height Sensor 2		
Bit 4	Paper Height Sensor 3		
Bit 5	Paper Height Sensor 4		
Bit 6	Left paper Tray Set	Set	Not set
Bit 7	Right paper Tray Set	Set	Not set

Paper Height Sensor for Paper Height Sensor

Paper Height Sensor 1	0	0	0	0	0	0	1	1
Paper Height Sensor 2	0	0	0	0	1	1	1	0
Paper Height Sensor 3	0	0	1	1	1	0	0	0
Paper Height Sensor 4	0	1	1	0	0	0	0	0
Amount of Paper (%)	100	80	50		25		10	

5803	**[INPUT Check]**
	Gets information of specified sensor.

5-803-175	Dev Unit Non Compatiblity Detect	E	[0 or 1 / **0** / 1/step]
5-803-176	Toner Bottle Sensor1	E	[0 or 1 / **0** / 1/step] 0:No bottle/1: Bottle present (Left, front bottle)
5-803-177	Toner Bottle Sensor2	E	[0 or 1 / **0** / 1/step] 0:No bottle/1: Bottle present (Left, front bottle)
5-803-178	Toner Bottle Chuck Sensor1	E	[0 or 1 / **0** / 1/step] 0:Chuck open/1: Chuck closed (Left, front bottle)
5-803-179	Toner Bottle Chuck Sensor2	E	[0 or 1 / **0** / 1/step] 0:Chuck open/1: Chuck closed (Left, front bottle)
5-803-180	Toner EmptySensor	E	[0 or 1 / **0** / 1/step] Toner in sub hopper 0: No toner/1: Toner present
5-803-181	Toner Bottle Cover SW(On/Off)	E	[0 or 1 / **0** / 1/step] 0:Cover closed/1: Cover open
5-803-182	Toner Collection Bottle Full Sn	E	[0 or 1 / **0** / 1/step] Interrupt present: 1 Interrupt absent: 0
5-803-183	Toner Collection Bottle Near Full Sn	E	[0 or 1 / **0** / 1/step] Interrupt present: 0 (Near-full) Interrupt absent: 1 (Not near-full)
5-803-184	Toner Collection Set Sn	E	[0 or 1 / **0** / 1/step] Pressure present (set):1 None (not set)
5-803-185	Waste Toner Lock Sn	E	[0 or 1 / **0** / 1/step] Interrupt present: 1 Interrupt absent: 0
5-803-186	Drum Cleaning Unit Set Detect	E	[0 or 1 / **0** / 1/step] 0: OFF, 1: ON
5-803-187	Drum Cleaning Unit:Lubricant Bar End Detect	E	[0 or 1 / **0** / 1/step] 0: OFF, 1: ON
5-803-188	Belt Cleanig Unit Set Detect Sn	E	[0 or 1 / **0** / 1/step] 0: Set 1: Not set
5-803-189	Paper Transfer Contact Sn	E	[0 or 1 / **0** / 1/step] 0: Contact 1: Separation
5-803-190	Wire Cleaner Position Sn	E	[0 or 1 / **0** / 1/step]
5-803-200	HP Senser (Copier Model Only)	E	[0 or 1 / **0** / 1/step]
5-803-201	Platen ADF Sensor (Copier Model Only)	E	[0 or 1 / **0** / 1/step]

Input Check: ADF (Copier Model Only)

6011	**[1-Pass ADF INPUT Check]** Gets information of specified sensor for ADF.		
6-011-001	Original Length 1 (B5 Sensor)	E	[0 or 1 / **0** / 1/step]
6-011-002	Original Length 2 (A4 Sensor)	E	[0 or 1 / **0** / 1/step]
6-011-003	Original Length 3 (LG Sensor)	E	[0 or 1 / **0** / 1/step]
6-011-004	Original Width 1	E	[0 or 1 / **0** / 1/step]
6-011-005	Original Width 2	E	[0 or 1 / **0** / 1/step]
6-011-006	Original Width 3	E	[0 or 1 / **0** / 1/step]
6-011-007	Original Width 4	E	[0 or 1 / **0** / 1/step]
6-011-008	Original Width 5	E	[0 or 1 / **0** / 1/step]
6-011-009	Original Detection	E	[0 or 1 / **0** / 1/step]
6-011-010	Separation Sensor	E	[0 or 1 / **0** / 1/step]
6-011-011	Skew Correction	E	[0 or 1 / **0** / 1/step]
6-011-012	Scan Entrance Sensor	E	[0 or 1 / **0** / 1/step]
6-011-013	Registration Sensor	E	[0 or 1 / **0** / 1/step]
6-011-014	Exit Sensor	E	[0 or 1 / **0** / 1/step]
6-011-015	Feed Cover Sensor	E	[0 or 1 / **0** / 1/step]
6-011-016	Lift Up Sensor	E	[0 or 1 / **0** / 1/step]
6-011-018	Pick-Up Roller HP Sensor	E	[0 or 1 / **0** / 1/step]
6-011-021	Bottom Plate HP Sensor	E	[0 or 1 / **0** / 1/step]
6-011-022	Bottom Plate Position Sensor	E	[0 or 1 / **0** / 1/step]
6-011-023	Original Length 4 (LT/A4 Tail Sensor)	E	[0 or 1 / **0** / 1/step]
6-011-024	Detect Sensor	E	[0 or 1 / **0** / 1/step] Displays "1" when double-feed detected.

Input Check: Multi Fold Unit

6309	[Input Check: Folder]		
6-309-001	Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-002	Entrance JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-004	Registration Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-005	Dynamic Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-006	Registration Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-007	Fold Plate HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-008	Jogger Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-010	1st Stopper Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-011	1st Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-012	2nd Stopper Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-013	2nd Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-014	3rd Stopper Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected

6-309-015	3rd Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-016	Direct-Send JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-309-017	FM6 Pawl HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home position 1: Not home position
6-309-018	Top Tray Paper Path Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-019	Top Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-020	Horizontal Path Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-021	Top Tray Full Sensor (E)	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-309-023	Front Door Switch (SW1)	E	[0 or 1 / **0** / 1/step] 0: Door closed 1: Door open
6-309-024	Horizontal Path Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-025	Vertical Path Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-026	Bypass Entrance Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-309-027	Bypass Exit Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected

Input Check: Finisher, Booklet Finisher

6241	**[Finisher Input Check]** Gets information of specified sensor for finisher.		
6-241-001	Finisher Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-002	Pre-stack Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-003	Pre-stack Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Pressurized 1: Non-pressurized
6-241-004	Proof Tray JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-005	Stack JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-006	Proof Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-007	Proof Tray Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-241-008	Punch Vertical Registration Sn	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-009	Punch Side-to-Side Regist Sn	E	[0 to 255 / **0** / 1/step] 0 to 255: CIS readings
6-241-010	Punch Blade HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-011	Punch Unit HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-012	Punch Switch	E	[0 or 1 / **0** / 1/step] 0: Not switching position 1: Switching position

6-241-013	Punch Hopper Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-241-014	Punch Set Sensor	E	[0 or 1 / **0** / 1/step] 0: Unset 1: Set
6-241-015	Stack Plate HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-016	Corner Stapler HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-017	Stapler Rotation HP Sn: Front	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-018	Stapler Rotation HP Sn: Rear	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-019	Fence S-to-S Moving HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-020	Fence Up-Down Moving HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-021	Jogger Fence HP Sensor: Front	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-022	Jogger Fence HP Sensor: Rear	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-023	Positioning Roller Vibrating HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-024	Top Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-025	Stack Feed-out Belt HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position

6-241-026	Stapling Tray Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-027	Corner Stapler HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-028	Staple End Sensor	E	[0 or 1 / **0** / 1/step] 0: No staple 1: Staple available
6-241-029	Self-Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: No staple 1: Staple available
6-241-030	Stpl Trimmings Hopper Set Sn	E	[0 or 1 / **0** / 1/step] 0: Unset 1: Set
6-241-031	Stpl Trimmings Hopper Full Sn	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-241-032	Stapling Tray Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-033	Stack Transport Unit HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-034	Stack JG Vibrating HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-035	Bklet Top Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-036	Bklet Stplr Clamp Roller HP Sn	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-037	Fold Plate Cam HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position n
6-241-038	Fold Plate HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position

6-241-039	Bklet Side Fence HP Sn: Front	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-040	Bklet Side Fence HP Sn: Rear	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-041	Bklet Stplr Bottom Fence HP Sn	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-042	Fold Unit Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-043	Bklet Stapler Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-044	Bklet Stapler HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-045	Bklet Stplr Stpl End Sn: Front	E	[0 or 1 / **0** / 1/step] 0: No staple 1: Staple available
6-241-046	Bklet Stplr Stpl End Sn: Rear	E	[0 or 1 / **0** / 1/step] 0: No staple 1: Staple available
6-241-047	Bklet Tray Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-241-048	Bklet Tray Paper Set Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-049	Bklet Tray Set Sensor	E	[0 or 1 / **0** / 1/step] 0: Unset 1: Set
6-241-050	Shift Tray Exit Sensor: Long	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-241-051	Shift Tray Exit Sensor: Short	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected

6-241-052	Exit Guide HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-053	Drag Roller Vibrating HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-054	Press Lever HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-055	Shift Tray Upper Limit Switch	E	[0 or 1 / **0** / 1/step] 0: Not pressed 1: Pressed
6-241-056	Shift Tray HP Sensor: Front	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-057	Shift Tray HP Sensor: Rear	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-058	Paper Height Sensor: Staple	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-059	Paper Height Sensor: Shift	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-060	Paper Height Sensor: Z-Fold	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-061	Paper Height Sensor: TE	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-062	Shift Tray Full Sensor: 500	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-063	Shift Tray Full Sensor: 1000	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-064	Shift Tray Full Sensor: 1500	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect

6-241-065	Shift Full Sensor(L-Limit)	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-241-066	Shift Full Sensor(Reserve)	E	[0 or 1 / **0** / 1/step] Not used
6-241-067	Shift Tray Emergency Stop Sw	E	[0 or 1 / **0** / 1/step] 0: Not pressed 1: Pressed
6-241-068	Shift Tray Jogger Fence HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-069	Shift Tray Jog Fence Retra HP Senser	E	[0 or 1 / **0** / 1/step] 0: Not home position 1: Home position
6-241-070	Front Door Switch	E	[0 or 1 / **0** / 1/step] 0: Not pressed 1: Pressed
6-241-071	Punch Type 1	E	[0 or 1 / **0** / 1/step] JP: 071: 0, 072: 0 NA: 071: 0, 072: 1 EU: 071: 1, 072: 0 NE: 071: 1, 072: 1
6-241-072	Punch Type 2	E	
6-241-073	Staple Tray Set Sensor	E	[0 or 1 / **0** / 1/step] Not used
6-241-074	Reserved	E	[0 or 1 / **0** / 1/step] Not used

Input Check: Cover Interposer Tray

6400	**[Cvr Inserter Input Check]** -		
6-400-001	1st Paper Feed Sensor	E	[0 or 1 / **0** / 1/step] 0:detect
6-400-002	2nd Paper Feed Sensor	E	
6-400-003	1st Transport Sensor	E	
6-400-004	2nd Transport Sensor	E	
6-400-005	1st Vertical Transport Sensor	E	
6-400-006	2nd Vertical Transport Sensor	E	
6-400-007	Output Sensor	E	
6-400-008	Entrance Sensor	E	
6-400-009	Exit Sensor	E	
6-400-010	1st Pick-up Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 1:detect
6-400-011	2nd Pick-up Roller HP Sensor	E	
6-400-012	1st Upper Limit Sensor	E	
6-400-013	2nd Upper Limit Sensor	E	
6-400-014	1st Lower Limit Sensor	E	
6-400-015	2nd Lower Limit Sensor	E	
6-400-016	1st Paper Near End Sensor	E	
6-400-017	2nd Paper Near End Sensor	E	
6-400-018	1st Paper End Sensor	E	
6-400-019	2nd Paper End Sensor	E	
6-400-020	1st Paper Length Sensor	E	[0 or 1 / **0** / 1/step] 0:detect
6-400-021	2nd Paper Length Sensor	E	
6-400-022	1st Paper Width Sensor 1	E	
6-400-023	1st Paper Width Sensor 2	E	
6-400-024	1st Paper Width Sensor 3	E	
6-400-025	1st Paper Width Sensor 4	E	
6-400-026	1st Paper Width Sensor 5	E	
6-400-027	2nd Paper Width Sensor 1	E	
6-400-028	2nd Paper Width Sensor 2	E	
6-400-029	2nd Paper Width Sensor 3	E	
6-400-030	2nd Paper Width Sensor 4	E	
6-400-031	2nd Paper Width Sensor 5	E	
6-400-032	1st Feed Cover Sensor	E	[0 or 1 / **0** / 1/step] 1: close
6-400-033	2nd Feed Cover Sensor	E	
6-400-034	Cover Vertical Transport Switch	E	
6-400-035	Front Door Open Switch	E	[0 or 1 / **0** / 1/step]

			0:close

Input Check: Ring Binder

6508	[Input Check: Ring Binder]		
6-508-001	Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-508-002	Transport Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-508-003	Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-508-004	Punch Process Reference Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-508-005	Binder Delivery Base Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-508-006	Path JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Binded 1: Not binded
6-508-007	Paper Jog HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Pushing / retracting position 1: Reference position
6-508-008	Jog Roller Lift HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Retracting jog roller 1: Pressing jog roller
6-508-009	Punch HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home position 1: Not home position
6-508-010	Punch Encoder Sensor	E	[0 or 1 / **0** / 1/step] 0: Not blocked 1: Blocked
6-508-011	Unit Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Punch unit available 1: No punch unit
6-508-012	Punch Size A4/LT Sensor	E	[0 or 1 / **0** / 1/step] 0: A4 1: LT

6-508-013	Punch Type Sensor	E	[0 or 1 / **0** / 1/step] 0: Max 1: Other
6-508-014	Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Not full 1: Full
6-508-015	Punchout Box Sensor	E	[0 or 1 / **0** / 1/step] 0: No punchout box 1: Punchout box available
6-508-016	Output Belt 1 HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Standby position 1: Reference position
6-508-017	Output Belt 2 HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Standby position 1: Reference position
6-508-018	Output Belt Rotation HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Booklet receiving position 1: Standby position (ejecting position)
6-508-019	Output Unit Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Booklet not detected 1: Booklet detected
6-508-020	Booklet Pass Sensor	E	[0 or 1 / **0** / 1/step] 0: Booklet not detected 1: Booklet detected
6-508-021	Stack HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not home position (above lower limit position) 1: Home position (lower limit position)
6-508-022	Stack Height Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Below booklet height upper limit 1: Booklet height upper limit
6-508-024	Stacker Paper Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Booklet not detected 1: Booklet detected
6-508-025	Tray Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Tray detected 1: Tray not detected
6-508-026	Obstacle Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect Obstacle

6-508-027	Book Position Sensor	E	[0 or 1 / **0** / 1/step] 0: Normal position 1: Defective
6-508-028	Binder Unit Sensor	E	[0 or 1 / **0** / 1/step] 0: Binder unit available 1: No binder unit
6-508-029	Width Align HP Sensor 1	E	[0 or 1 / **0** / 1/step] 0: LT position 1: A4 position
6-508-030	Paddle Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Paddle retracted position 1: Paddle pressed position
6-508-031	Clamp HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Clamp open position 1: Clamp pressed position
6-508-032	Alignment Pin HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Alignment in operation 1: Standby position
6-508-033	Shutter HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home position when Shutter Motor HP Sensor is “0”. 1: Open position when Shutter Motor HP Sensor is “0”.
6-508-034	50-Sheet Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Above 50-sheet 1: Below 50-sheet
6-508-035	Paper Thickness Sensor	E	[0 or 1 / **0** / 1/step] Repeats "1" and "0" according to the paper thickness
6-508-037	Paper LE Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-508-038	Alignment Pin Top Edge Sensor	E	[0 or 1 / **0** / 1/step] 0: Standby position 1: Alignment position
6-508-039	Width Align HP Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Pushing position 1: Retracting position
6-508-040	De-curler Motor HP Sensor	E	[0 or 1 / **0** / 1/step] 0: In the middle of moving to holding position 1: Standby position (holding position)

6-508-041	Shutter Motor HP Sensor	E	[0 or 1 / **0** / 1/step] Reads in combination with Shutter HP Sensor
6-508-042	Roller Lift Motor HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Open position 1: Pressed position
6-508-043	Binder HP Sensor	E	[0 or 1 / **0** / 1/step] 0: In binding operation 1: Standby position
6-508-044	Bind Timing Sensor	E	[0 or 1 / **0** / 1/step] 0: Repeats Hight / Low with the post process 1: Standby position (home position)
6-508-045	Ring Replace HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Position for 50 or 100 1: Initial position
6-508-046	Ring Replace Timing Sensor	E	[0 or 1 / **0** / 1/step] Moves position with repeating "0" and "1"
6-508-047	Ring Supply Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: No cartridge 1: Cartridge available
6-508-048	Cartridge Reversed Sensor	E	[0 or 1 / **0** / 1/step] 0: Normal attached 1: Reverse attached
6-508-049	Ring Near-End Sensor	E	[0 or 1 / **0** / 1/step] 0: Not near end 1: Near end
6-508-050	Ring 50/100 Sensor	E	[0 or 1 / **0** / 1/step] 0: 100 sheets 1: 50 sheets
6-508-051	Ring A4/LT Sensor	E	[0 or 1 / **0** / 1/step] 0: A4 1: LT

Input Check: Perfect Binder

6537	[Input Check: Perfect Binder]		
6-537-001	Entrance sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-002	Timing Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-003	Jog Sensor HP: Front	E	[0 or 1 / **0** / 1/step] 0: Not Home position 1: Home Position
6-537-004	Jog Sensor HP: Rear	E	[0 or 1 / **0** / 1/step] 0: Not Home position 1: Home Position
6-537-005	Jog Sensor HP: Front Large	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-006	Jog Sensor HP: Rear Large	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-007	Cover Path: Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-008	Cover Path: Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-009	Signature Path: Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-010	Signature Path: Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-011	Inserter Com Sn:Before Joining	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-012	Switchback Flapper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not upper position 1: Upper position

6-537-013	Switchback Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not upper position 1: Upper position
6-537-014	Cover Registration Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-015	Straight-Through Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-016	TE Press Lever HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Nip position 1: Not nip position
6-537-017	Stack Overflow Sensor	E	[0 or 1 / **0** / 1/step] 0: Stack over position 1: Stackable position
6-537-018	Tray Lower Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: Not lower limit position 1: Lower limit position
6-537-019	Paper Detect Sensor: Front	E	[0 or 1 / **0** / 1/step] 0: Detection position 1: Not detection position
6-537-020	Paper Detect Sensor: Rear	E	[0 or 1 / **0** / 1/step] 0: Detection position 1: Not detection position
6-537-021	Cover Guide HP Sensor: Right	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-022	Cover Guide HP Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-023	Cover Guide Open Sensor: Right	E	[0 or 1 / **0** / 1/step] 0: Not open position 1: Open position
6-537-024	Cover Guide Open Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Not open position 1: Open position
6-537-025	Stack Weight Move HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position

6-537-026	Stack Tray HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-027	Front Door SW	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-028	Top Cover Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-029	Top Cover Switch	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-030	Glue Tank Cover Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-031	Temperature Start Switch	E	[0 or 1 / **0** / 1/step] 0: Pressed 1: Not pressed
6-537-032	Inserter Connect Signal	E	[0 or 1 / **0** / 1/step] 0: Connected 1: Not connected
6-537-033	Glue Tank Empty Sensor	E	[0 or 1 / **0** / 1/step] 0: Glue available 1: No glue
6-537-034	Glue Tank Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Glue available 1: No glue
6-537-035	24 V Guard 1	E	[0 or 1 / **0** / 1/step] 0: Normal 1: Defective
6-537-036	24 V Guard 2	E	[0 or 1 / **0** / 1/step] 0: Normal 1: Defective
6-537-037	Stack Tray Empty Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-038	Front Door Lock Sensor	E	[0 or 1 / **0** / 1/step] 0: Locked 1: Unlocked

6-537-039	Power Supply Fan Lock: Left	E	[0 or 1 / **0** / 1/step] 0: Lock detected 1: Not detected
6-537-040	Sub Grip Upper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-041	Signature Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-042	Size Move HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-043	Registration Unit HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-044	Post Main Grip Encoder Sensor	E	[0 or 1 / **0** / 1/step] 0: Blocked 1: Not blocked
6-537-045	24V 2 Check Signal	E	[0 or 1 / **0** / 1/step] 0: Normal 1: Defective
6-537-046	Spine Fold Press Sensor: Right	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-047	Main Grip HP Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-048	Cover Horizontal Registration Sensor: Small	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-049	Cover Horizontal Registration Sensor: Large	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-050	Glue Tank HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-051	Main Grip HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position

6-537-052	Main Grip Front Encoder Sensor	E	[0 or 1 / **0** / 1/step] 0: Blocked 1: Not blocked
6-537-053	24V 3 Check Signal	E	[0 or 1 / **0** / 1/step] 0: Normal 1: Defective
6-537-054	Main Grip Press Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Pressure detected
6-537-055	Main Grip Press Sensor: Small	E	[0 or 1 / **0** / 1/step] 0: Pressure detected 1: Not detected
6-537-056	Sub Grip Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-057	Sub Grip Open Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-058	Sub Grip Close Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-059	Spine Fold Close Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-060	Spine Plate Open Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-061	Spine Plate Close Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-062	Spine Fold HP Sensor: Left	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-063	Spine Fold HP Sensor: Right	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-064	Cutter LE Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected

6-537-065	Main Grip Rotate Enable Sensor	E	[0 or 1 / **0** / 1/step] 0: Not allowed 1: Allowed
6-537-066	Main Grip Rotate Bind Position Sensor	E	[0 or 1 / **0** / 1/step] 0: Not bind position 1: Bind position
6-537-067	Main Grip Rotate HP Sensor	E	[0 or 1 / **0** / 1/step] [0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-068	Rear Main Grip Open Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-069	Rear Main Grip Close Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-070	Front Main Grip Open Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-071	Front Main Grip Close Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-072	Main Grip Signature Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-073	Thermostat Abnormal	E	[0 or 1 / **0** / 1/step] 0: Defective 1: Normal
6-537-074	Glue Heater Thermistor	E	[0 or 1 / **0** / 1/step] 0: Normal 1: Defective
6-537-075	Glue Unit HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-076	Book Output Path HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-077	Book Output Path Push Sensor	E	[0 or 1 / **0** / 1/step] 0: Not contact

			1: Contact
6-537-078	Sub Grip HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-079	Signature Main Grip Position Sensor	E	[0 or 1 / **0** / 1/step] 0: Not main grip position 1: Main grip position
6-537-080	Signature Fan 2 Lock: Rear	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-081	Signature Fan 2 Lock: Front	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-082	Signature Fan 1 Lock: Rear	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-083	Signature Fan 1 Lock: Front	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-084	Power Supply Fan Lock: Center	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-085	Power Supply Fan Lock: Rear	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-086	Spine Plate Fan Lock: Upper Rear	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-087	Spine Plate Fan Lock: Front	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-088	Spine Plate Fan Lock: Lower Rear	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-089	Spine Plate Fan Lock: Lower Front	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-090	Glue Tank Roller: Rotate Detect Sensor	E	[0 or 1 / **0** / 1/step]

			0: Not blocked 1: Blocked
6-537-091	Glue Supply Fan: Lock 1	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-092	Glue Supply Fan Lock 2	E	[0 or 1 / **0** / 1/step] 0: Not detected 1: Lock detected
6-537-093	Book Catch Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-094	Output Stack Door Sensor	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed
6-537-095	Output Stack Door Switch	E	[0 or 1 / **0** / 1/step] 0: Not pressed 1: Pressed
6-537-096	Book Buffer Tray HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-097	Trim Scrap Buffer HP Sensor: Right	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-098	Press HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-099	Blade Cradle HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-100	Cutter Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: Limit reached 1: Limit not reached
6-537-101	Cutter Area Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Cutter retracting side 1: Blade receiving side
6-537-102	Entrance Path Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected

6-537-103	Book Registration Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-104	Cutter Area Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Front side 1: Far side
6-537-105	LE Detect Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-106	Grip End Sensor	E	[0 or 1 / **0** / 1/step] 0: End position 1: Not end position
6-537-107	Book Rotate HP Sensor 1: Right	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-108	Press End Sensor	E	[0 or 1 / **0** / 1/step] 0: End position 1: Not end position
6-537-109	Slide HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-110	Grip HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-111	Book Rotate HP Sensor 2: Left	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-112	Press Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: Limit reached 1: Limit not reached
6-537-113	Trim Scrap Box Sensor	E	[0 or 1 / **0** / 1/step] 0: Scrap box available 1: No scrap box
6-537-114	Book Arrival Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-115	Book Detect Sensor: Output Tray	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected

6-537-116	Output Tray HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-117	Trim Scrap Buffer HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-537-118	Trim Scrap Box Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Full 1: Not full
6-537-119	Front Door SW: Center	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-120	Front Door SW: 36V	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-121	Thrust Plate Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-537-122	Upper Tray Empty Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-123	Lower Tray Empty Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-124	Upper Tray Pickup Sensor	E	[0 or 1 / **0** / 1/step] 0: Not pickup position 1: Pickup position
6-537-125	Lower Tray Pickup Sensor	E	[0 or 1 / **0** / 1/step] 0: Not pickup position 1: Pickup position
6-537-126	Inserter Cover Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-127	Lower Tray Paper Out Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-128	Lower Tray Registration Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected

6-537-129	Upper Tray Registration Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-130	Upper Tray: Large Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-131	Upper Tray: Small Paper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-132	Lower Tray Lower Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: Lower limit position 1: Not lower limit position
6-537-133	Transport Sensor: Midway	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-134	Inserter Unit Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open
6-537-135	Upper Tray Lower Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: Lower limit position 1: Not lower limit position
6-537-136	Drive Gear Switching Sensor	E	[0 or 1 / **0** / 1/step] 0: Upper tray drive 1: Lower tray drive
6-537-137	Transport Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-138	Transport Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-537-139	Relay Unit Transport Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-537-140	Relay Unit Front Door Sensor	E	[0 or 1 / **0** / 1/step] 0: Closed 1: Open

Input Check: Stacker Upstream

6600	[Stacker1 Input Check]		
	Gets information of specified sensor.		
6-600-001	Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-002	Shift Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-003	Proof Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-004	Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-005	Transport Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-006	Proof Tray Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Full 1: Not full
6-600-007	Shift Tray JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-600-008	Proof Tray JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-600-009	Shift Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-600-010	Front Jogger Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-600-011	Rear Jogger Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-600-012	Jog Fence Retraction HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position

			1: Home Position
6-600-013	LE Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-600-014	Height Sensor	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-600-015	Shift Tray Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-600-016	Tray Full Sensor 1: 25%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-600-017	Tray Full Sensor 2: 50%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-600-018	Tray Full Sensor 3: 75%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-600-019	Tray Full Sensor 4: 100%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-600-020	Tray Low Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-600-021	Roll Away Cart Set SW	E	[0 or 1 / **0** / 1/step] 0: Roll-away cart available 1: No roll-away cart
6-600-022	Tray Guard Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect obstacle
6-600-023	Tray Guard Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect obstacle
6-600-024	Sub Jogger HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-600-025	Down Button	E	[0 or 1 / **0** / 1/step]

			0: On 1: Off
6-600-026	Jam Button	E	[0 or 1 / **0** / 1/step] 0: On 1: Off
6-600-027	Top Door SW	E	[0 or 1 / **0** / 1/step] 0: Top door closed 1: Top door open
6-600-028	Front Door SW	E	[0 or 1 / **0** / 1/step] 0: Front door closed 1: Front door open

Input Check: Stacker 2 Downstream

6606	[Stacker2 Input Check]		
	Gets information of specified sensor.		
6-606-001	Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-002	Shift Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-003	Proof Tray Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-004	Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-005	Transport Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-006	Proof Tray Full Sensor	E	[0 or 1 / **0** / 1/step] 0: Full 1: Not full
6-606-007	Shift Tray JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-606-008	Proof Tray JG HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-606-009	Shift Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-606-010	Front Jogger Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-606-011	Rear Jogger Fence HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-606-012	Jog Fence Retraction HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position

			1: Home Position
6-606-013	LE Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-606-014	Height Sensor	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect
6-606-015	Shift Tray Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-606-016	Tray Full Sensor 1: 25%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-606-017	Tray Full Sensor 2: 50%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-606-018	Tray Full Sensor 3: 75%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-606-019	Tray Full Sensor 4: 100%	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-606-020	Tray Low Limit Sensor	E	[0 or 1 / **0** / 1/step] 0: No tray 1: Tray available
6-606-021	Roll Away Cart Set SW	E	[0 or 1 / **0** / 1/step] 0: Roll-away cart available 1: No roll-away cart
6-606-022	Tray Guard Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect obstacle
6-606-023	Tray Guard Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Not detect 1: Detect obstacle
6-606-024	Sub Jogger HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position
6-606-025	Down Button	E	[0 or 1 / **0** / 1/step]

			0: On 1: Off
6-606-026	Jam Button	E	[0 or 1 / **0** / 1/step] 0: On 1: Off
6-606-027	Top Door SW	E	[0 or 1 / **0** / 1/step] 0: Top door closed 1: Top door open
6-606-028	Front Door SW	E	[0 or 1 / **0** / 1/step] 0: Front door closed 1: Front door open

Input Check: Trimmer

6650	[Input Check: Trimmer]		
6-650-001	Entrance Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-650-002	Stopper Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-650-003	Exit Sensor	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-650-004	Booklet Sensor 1	E	[0 or 1 / **0** / 1/step] 0: Paper detected 1: Paper not detected
6-650-005	Booklet Sensor 2	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-650-006	Booklet Sensor 3	E	[0 or 1 / **0** / 1/step] 0: Paper not detected 1: Paper detected
6-650-007	Trimming Blade HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-650-008	Cut Position HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-650-009	Press Roller HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-650-010	Press Stopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Home Position 1: Not Home Position
6-650-011	Scrap Hopper Full HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Full 1: Not full
6-650-012	Scrap Hopper HP Sensor	E	[0 or 1 / **0** / 1/step] 0: Not Home Position 1: Home Position

6-650-013	Door Switch	E	[0 or 1 / **0** / 1/step] 0: Open 1: Closed

Input Check

Output Check

Output Check: Main Machine, RT5070, RT5080

5804	**[Output Check]**		
5-804-001	Feed Mtr 1 (Speed 1)	E	[OFF or ON]
5-804-002	Feed Mtr 1 (Speed 2)	E	[OFF or ON]
5-804-003	Feed Mtr 1 (Speed 3)	E	[OFF or ON]
5-804-004	Feed Mtr 1 (Speed 4)	E	[OFF or ON]
5-804-005	Feed Mtr 2 (Speed 1)	E	[OFF or ON]
5-804-006	Feed Mtr 2 (Speed 2)	E	[OFF or ON]
5-804-007	Feed Mtr 2 (Speed 3)	E	[OFF or ON]
5-804-008	Feed Mtr 2 (Speed 4)	E	[OFF or ON]
5-804-009	Feed Mtr 3 (Speed 1)	E	[OFF or ON]
5-804-010	Feed Mtr 3 (Speed 2)	E	[OFF or ON]
5-804-011	Feed Mtr 3 (Speed 3)	E	[OFF or ON]
5-804-012	Feed Mtr 3 (Speed 4)	E	[OFF or ON]
5-804-013	Bypass Grip Mtr 1 (Speed 1)	E	[OFF or ON]
5-804-014	Bypass Grip Mtr 1 (Speed 2)	E	[OFF or ON]
5-804-015	Bypass Grip Mtr 1 (Speed 3)	E	[OFF or ON]
5-804-016	Bypass Grip Mtr 1 (Speed 4)	E	[OFF or ON]
5-804-017	Bypass Grip Mtr 1 (Speed 5)	E	[OFF or ON]
5-804-018	Bypass Grip Mtr 1 (Speed 6)	E	[OFF or ON]
5-804-019	Bypass Grip Mtr 2 (Speed 1)	E	[OFF or ON]
5-804-020	Bypass Grip Mtr 2 (Speed 2)	E	[OFF or ON]
5-804-021	Bypass Grip Mtr 2 (Speed 3)	E	[OFF or ON]
5-804-022	Bypass Grip Mtr 2 (Speed 4)	E	[OFF or ON]
5-804-023	Bypass Grip Mtr 2 (Speed 5)	E	[OFF or ON]
5-804-024	Bypass Grip Mtr 2 (Speed 6)	E	[OFF or ON]
5-804-025	Bypass Grip Mtr 3 (Speed 1)	E	[OFF or ON]
5-804-026	Bypass Grip Mtr 3 (Speed 2)	E	[OFF or ON]
5-804-027	Bypass Grip Mtr 3 (Speed 3)	E	[OFF or ON]
5-804-028	Bypass Grip Mtr 3 (Speed 4)	E	[OFF or ON]
5-804-029	Bypass Grip Mtr 3 (Speed 5)	E	[OFF or ON]
5-804-030	Bypass Grip Mtr 3 (Speed 6)	E	[OFF or ON]
5-804-031	Bypass V-Transport (Speed 1)	E	[OFF or ON]
5-804-032	Bypass V-Transport (Speed 2)	E	[OFF or ON]
5-804-033	Bypass V-Transport (Speed 3)	E	[OFF or ON]
5-804-034	Bypass V-Transport (Speed 4)	E	[OFF or ON]

5-804-035	Bank Exit Mtr (Speed 1)	E	[OFF or ON]
5-804-036	Bank Exit Mtr (Speed 2)	E	[OFF or ON]
5-804-037	Bank Exit Mtr (Speed 3)	E	[OFF or ON]
5-804-038	Bank Exit Mtr (Speed 4)	E	[OFF or ON]
5-804-039	Bank Exit Mtr (Speed 5)	E	[OFF or ON]
5-804-040	Bank Exit Mtr (Speed 6)	E	[OFF or ON]
5-804-041	Registration Entrance Mtr (Speed 1)	E	[OFF or ON]
5-804-042	Registration Entrance Mtr (Speed 2)	E	[OFF or ON]
5-804-043	Registration Entrance Mtr (Speed 3)	E	[OFF or ON]
5-804-044	Registration Entrance Mtr (Speed 4)	E	[OFF or ON]
5-804-045	Registration Entrance Mtr (Speed 5)	E	[OFF or ON]
5-804-046	Registration Entrance Mtr (Speed 6)	E	[OFF or ON]
5-804-047	Registration Timing Mtr (Speed 1)	E	[OFF or ON]
5-804-048	Registration Timing Mtr (Speed 2)	E	[OFF or ON]
5-804-049	Registration Timing Mtr (Speed 3)	E	[OFF or ON]
5-804-050	Registration Timing Mtr (Speed 4)	E	[OFF or ON]
5-804-051	Registration Timing Mtr (Speed 5)	E	[OFF or ON]
5-804-052	Registration Timing Mtr (Speed 6)	E	[OFF or ON]
5-804-053	Transfer Timing Motor (Speed 1)	E	[OFF or ON]
5-804-054	Transfer Timing Motor (Speed 2)	E	[OFF or ON]
5-804-055	Transfer Timing Motor (Speed 3)	E	[OFF or ON]
5-804-056	Transfer Timing Motor (Speed 4)	E	[OFF or ON]
5-804-057	Inverter/Entrance Mtr (Speed 1)	E	[OFF or ON]
5-804-058	Inverter/Entrance Mtr (Speed 2)	E	[OFF or ON]
5-804-059	Inverter/Entrance Mtr (Speed 3)	E	[OFF or ON]
5-804-060	Inverter/Entrance Mtr (Speed 4)	E	[OFF or ON]
5-804-061	Inverter/Entrance Mtr (Speed 5)	E	[OFF or ON]
5-804-062	Inverter/Entrance Mtr (Speed 6)	E	[OFF or ON]
5-804-063	Exit/Inverter Mtr (Fwd:Speed 1)	E	[OFF or ON]
5-804-064	Exit/Inverter Mtr (Fwd:Speed 2)	E	[OFF or ON]
5-804-065	Exit/Inverter Mtr (Fwd:Speed 3)	E	[OFF or ON]
5-804-066	Exit/Inverter Mtr (Fwd:Speed 4)	E	[OFF or ON]
5-804-067	Exit/Inverter Mtr (Fwd:Speed 5)	E	[OFF or ON]
5-804-068	Exit/Inverter Mtr (Fwd:Speed 6)	E	[OFF or ON]
5-804-069	Exit/Inverter Mtr (Rev:Speed 1)	E	[OFF or ON]
5-804-070	Exit/Inverter Mtr (Rev:Speed 2)	E	[OFF or ON]
5-804-071	Exit/Inverter Mtr (Rev:Speed 3)	E	[OFF or ON]
5-804-072	Exit/Inverter Mtr (Rev:Speed 4)	E	[OFF or ON]

5-804-073	Exit/Inverter Mtr (Rev:Speed 5)	E	[OFF or ON]
5-804-074	Exit/Inverter Mtr (Rev:Speed 6)	E	[OFF or ON]
5-804-075	Duplex/Inverter Mtr (Fwd:Speed 1)	E	[OFF or ON]
5-804-076	Duplex/Inverter Mtr (Fwd:Speed 2)	E	[OFF or ON]
5-804-077	Duplex/Inverter Mtr (Fwd:Speed 3)	E	[OFF or ON]
5-804-078	Duplex/Inverter Mtr (Fwd:Speed 4)	E	[OFF or ON]
5-804-079	Duplex/Inverter Mtr (Fwd:Speed 5)	E	[OFF or ON]
5-804-080	Duplex/Inverter Mtr (Rev:Speed 1)	E	[OFF or ON]
5-804-081	Duplex/Inverter Mtr (Rev:Speed 2)	E	[OFF or ON]
5-804-082	Dup Trans Mtr1 (Speed 1)	E	[OFF or ON]
5-804-083	Dup Trans Mtr1 (Speed 2)	E	[OFF or ON]
5-804-084	Dup Trans Mtr2 (Speed 1)	E	[OFF or ON]
5-804-085	Dup Trans Mtr2 (Speed 2)	E	[OFF or ON]
5-804-086	Paper Ejection Motor (Speed 1)	E	[OFF or ON]
5-804-087	Paper Ejection Motor (Speed 2)	E	[OFF or ON]
5-804-088	Paper Ejection Motor (Speed 3)	E	[OFF or ON]
5-804-089	Paper Ejection Motor (Speed 4)	E	[OFF or ON]
5-804-090	Rotary Gate Motor (HP)	E	[OFF or ON]
5-804-091	Rotary Gate Motor (pos1)	E	[OFF or ON]
5-804-092	Rotary Gate Motor (pos2)	E	[OFF or ON]
5-804-093	Rotary Gate Motor (Drive:Speed 1)	E	[OFF or ON]
5-804-094	Rotary Gate Motor (Drive:Speed 2)	E	[OFF or ON]
5-804-095	Rotary Gate Motor (Drive:Speed 3)	E	[OFF or ON]
5-804-096	Unit Shift Motor (HP)	E	[OFF or ON]
5-804-097	Unit Shift Motor (Drive)	E	[OFF or ON]
5-804-098	Rear Shift Motor (HP)	E	[OFF or ON]
5-804-099	Rear Shift Motor (Drive)	E	[OFF or ON]
5-804-100	Relay Separate Motor (HP)	E	[OFF or ON]
5-804-101	Relay Separate Motor (Drive)	E	[OFF or ON]
5-804-102	LCT Relay Separate Motor (HP)	E	[OFF or ON]
5-804-103	LCT Relay Separate Motor (Drive)	E	[OFF or ON]
5-804-104	Exit/Inverter Separate Motor (HP)	E	[OFF or ON]
5-804-105	Exit/Inverter Separate Motor (Drive)	E	[OFF or ON]
5-804-106	1st Tray: Bottom Plate (Lift: 1 s)	E	[OFF or ON]
5-804-107	1st Tray: Bottom Plate (Lower: 1 s)	E	[OFF or ON]
5-804-108	2nd Tray: Bottom Plate (Lift: 1 s)	E	[OFF or ON]
5-804-109	2nd Tray: Bottom Plate (Lower: 1 s)	E	[OFF or ON]
5-804-110	3rd Tray: Bottom Plate (Lift: 1 s)	E	[OFF or ON]

5-804-111	3rd Tray: Bottom Plate (Lower: 1 s)	E	[OFF or ON]
5-804-112	Rear Fence Motor (Fwd: 1 s)	E	[OFF or ON]
5-804-113	Rear Fence Motor (Rev: 1 s)	E	[OFF or ON]
5-804-116	1st Tray: PickUp SOL	E	[OFF or ON]
5-804-117	2nd Tray: PickUp SOL	E	[OFF or ON]
5-804-118	3rd Tray: PickUp SOL	E	[OFF or ON]
5-804-119	Inverter JG SOL	E	[OFF or ON]
5-804-120	Lock SOL	E	[OFF or ON]
5-804-121	Connect SOL	E	[OFF or ON]
5-804-122	Rear Side Fence SOL	E	[OFF or ON]
5-804-123	Front Side Fence SOL	E	[OFF or ON]
5-804-124	Bank LED: 1st Tray	E	[OFF or ON]
5-804-125	Bank LED: 2nd Tray	E	[OFF or ON]
5-804-126	Bank LED: 3rd Tray	E	[OFF or ON]
5-804-127	De-curler Unit Move:Lower Default	E	[OFF or ON]
5-804-128	De-curler Unit Move:Upper Default	E	[OFF or ON]
5-804-129	De-curl Trans Mtr (Speed 1)	E	[OFF or ON]
5-804-130	De-curl Trans Mtr (Speed 2)	E	[OFF or ON]
5-804-131	De-curl Trans Mtr (Speed 3)	E	[OFF or ON]
5-804-132	De-curl Trans Mtr (Speed 4)	E	[OFF or ON]
5-804-133	De-curl Trans Mtr (Reverse)	E	[OFF or ON]
5-804-134	Exit JG Motor (HP)	E	[OFF or ON]
5-804-135	Exit JG Motor (Drive)	E	[OFF or ON]
5-804-144	Dev Motor (Speed 1)	E	[OFF or ON]
5-804-145	Dev Motor (Speed 2)	E	[OFF or ON]
5-804-146	Dev Motor (Speed 3)	E	[OFF or ON]
5-804-147	Dev Motor (Speed 4)	E	[OFF or ON]
5-804-148	Drum CL Mtr (Speed 1)	E	[OFF or ON]
5-804-149	Drum CL Mtr (Speed 2)	E	[OFF or ON]
5-804-150	Drum CL Mtr (Speed 3)	E	[OFF or ON]
5-804-151	Drum CL Mtr (Speed 4)	E	[OFF or ON]
5-804-160	TH Paper Feed Motor (Speed 1)	E	[OFF or ON]
5-804-161	TH Paper Feed Motor (Speed 2)	E	[OFF or ON]
5-804-162	TH Paper Feed Motor (Speed 3)	E	[OFF or ON]
5-804-163	TH Paper Feed Motor (Speed 4)	E	[OFF or ON]
5-804-164	Fusing Motor (Speed 1)	E	[OFF or ON]
5-804-165	Fusing Motor (Speed 2)	E	[OFF or ON]
5-804-166	Fusing Motor (Speed 3)	E	[OFF or ON]

5-804-167	Fusing Motor (Speed 4)	E	[OFF or ON]
5-804-168	Waste Toner Transport Motor	E	[OFF or ON]
5-804-169	ITB:Steering Control Mtr(HP)	E	[OFF or ON]
5-804-175	Scanner Lamp (Copier Model Only)	E	[OFF or ON]
5-804-180	A4LCT Tray4 Paper Feed STM High	E	[OFF or ON]
5-804-181	A4LCT Tray4 Paper Feed STM Low	E	[OFF or ON]
5-804-182	A4LCT Tray5 Paper Feed STM High	E	[OFF or ON]
5-804-183	A4LCT Tray5 Paper Feed STM Low	E	[OFF or ON]
5-804-184	A4LCT Tray6 Paper Feed STM High	E	[OFF or ON]
5-804-185	A4LCT Tray6 Paper Feed STM Low	E	[OFF or ON]
5-804-186	A4LCT Tray4 Grip STM High	E	[OFF or ON]
5-804-187	A4LCT Tray4 Grip STM Low	E	[OFF or ON]
5-804-188	A4LCT Tray5 Grip STM High	E	[OFF or ON]
5-804-189	A4LCT Tray5 Grip STM Low	E	[OFF or ON]
5-804-190	A4LCT Tray6 Grip STM High	E	[OFF or ON]
5-804-191	A4LCT Tray6 Grip STM Low	E	[OFF or ON]
5-804-192	A4LCT V-Transport 1 STM High	E	[OFF or ON]
5-804-193	A4LCT V-Transport 1 STM Low	E	[OFF or ON]
5-804-194	A4LCT V-Transport 2 STM High	E	[OFF or ON]
5-804-195	A4LCT V-Transport 2 STM Low	E	[OFF or ON]
5-804-196	A4LCT V-Transport 3 STM High	E	[OFF or ON]
5-804-197	A4LCT V-Transport 3 STM Low	E	[OFF or ON]
5-804-198	A4LCT Exit STM High	E	[OFF or ON]
5-804-199	A4LCT Exit STM Low	E	[OFF or ON]
5-804-200	A4LCT Exit Roller Contact STM	E	[OFF or ON]
5-804-201	A4LCT Tray4 Pickup SOL	E	[OFF or ON]
5-804-202	A4LCT Tray5 Pickup SOL	E	[OFF or ON]
5-804-203	A4LCT Tray6 Pickup SOL	E	[OFF or ON]
5-804-204	A3LCT Tray4 Paper Feed STM High	E	[OFF or ON]
5-804-205	A3LCT Tray4 Paper Feed STM Low	E	[OFF or ON]
5-804-206	A3LCT Tray5 Paper Feed STM High	E	[OFF or ON]
5-804-207	A3LCT Tray5 Paper Feed STM Low	E	[OFF or ON]
5-804-208	A3LCT Tray6 Paper Feed STM High	E	[OFF or ON]
5-804-209	A3LCT Tray6 Paper Feed STM Low	E	[OFF or ON]
5-804-210	A3LCT Tray4 Grip STM High	E	[OFF or ON]
5-804-211	A3LCT Tray4 Grip STM Low	E	[OFF or ON]
5-804-212	A3LCT Tray5 Grip STM High	E	[OFF or ON]
5-804-213	A3LCT Tray5 Grip STM Low	E	[OFF or ON]

5-804-214	A3LCT Tray6 Grip STM High	E	[OFF or ON]
5-804-215	A3LCT Tray6 Grip STM Low	E	[OFF or ON]
5-804-216	A3LCT V-Transport 1 STM High	E	[OFF or ON]
5-804-217	A3LCT V-Transport 1 STM Low	E	[OFF or ON]
5-804-218	A3LCT V-Transport 2 STM High	E	[OFF or ON]
5-804-219	A3LCT V-Transport 2 STM Low	E	[OFF or ON]
5-804-220	A3LCT V-Transport 3 STM High	E	[OFF or ON]
5-804-221	A3LCT V-Transport 3 STM Low	E	[OFF or ON]
5-804-222	A3LCT Exit STM High	E	[OFF or ON]
5-804-223	A3LCT Exit STM Low	E	[OFF or ON]
5-804-224	A3LCT Exit Roller Contact STM	E	[OFF or ON]
5-804-225	A3LCT Tray4 Pickup SOL	E	[OFF or ON]
5-804-226	A3LCT Tray5 Pickup SOL	E	[OFF or ON]
5-804-227	A3LCT Tray6 Pickup SOL	E	[OFF or ON]
5-804-228	A3LCT Tray4 Front Fan	E	[OFF or ON]
5-804-229	A3LCT Tray4 Rear Fan	E	[OFF or ON]
5-804-230	A3LCT Tray5 Front Fan	E	[OFF or ON]
5-804-231	A3LCT Tray5 Rear Fan	E	[OFF or ON]
5-804-232	A3LCT Tray6 Front Fan	E	[OFF or ON]
5-804-233	A3LCT Tray6 Rear Fan	E	[OFF or ON]
5-804-234	Bypass Feed STM High	E	[OFF or ON]
5-804-235	Bypass Feed STM Low	E	[OFF or ON]
5-804-236	Bypass Grip STM High	E	[OFF or ON]
5-804-237	Bypass Grip STM Low	E	[OFF or ON]
5-804-238	Bypass V-Transport STM High	E	[OFF or ON]
5-804-239	Bypass V-Transport STM Low	E	[OFF or ON]
5-804-240	Bypass Pickup SOL	E	[OFF or ON]
5-804-241	A4LCT Tray4 LED	E	[OFF or ON]
5-804-242	A4LCT Tray5 LED	E	[OFF or ON]
5-804-243	A4LCT Tray6 LED	E	[OFF or ON]
5-804-244	A3LCT Tray4 LED	E	[OFF or ON]
5-804-245	A3LCT Tray5 LED	E	[OFF or ON]
5-804-246	A3LCT Tray6 LED	E	[OFF or ON]

5805	**[Output Check]**		
5-805-001	Opt. Coolng Fan NS	E	[OFF or ON]
5-805-	Opt. Coolng Fan HS	E	[OFF or ON]

002			
5-805-003	Dev. Coolng Fan Front NS	E	[OFF or ON]
5-805-004	Dev. Coolng Fan Front HS	E	[OFF or ON]
5-805-005	Dev. Coolng Fan Rear NS	E	[OFF or ON]
5-805-006	Dev. Coolng Fan Rear HS	E	[OFF or ON]
5-805-007	Belt Cleaning Fan NS	E	[OFF or ON]
5-805-009	Duplex Low Cooling Fan Front NS	E	[OFF or ON]
5-805-010	Duplex Low Cooling Fan Rear NS	E	[OFF or ON]
5-805-017	Ozone Brower Suction	E	[OFF or ON]
5-805-018	Ozone Brower Exhaust	E	[OFF or ON]
5-805-019	Fuse Trans Exhaust Fan NS	E	[OFF or ON]
5-805-020	Fuse Exhaust Fan Upper NS	E	[OFF or ON]
5-805-021	Fuse Exhaust Fan Lower NS	E	[OFF or ON]
5-805-026	Fuse Insulate Fan Rear Right NS	E	[OFF or ON]
5-805-027	Fuse Insulate Fan Rear Right HS	E	[OFF or ON]
5-805-028	Fuse Insulate Fan Rear Left NS	E	[OFF or ON]
5-805-029	Fuse Insulate Fan Rear Left HS	E	[OFF or ON]
5-805-030	Paper Exit Exhaust Fan Rear Right NS	E	[OFF or ON]
5-805-032	Paper Exit Exhaust Fan Rear Left NS	E	[OFF or ON]
5-805-	HP Sution Fan NS	E	[OFF or ON]

034			
5-805-035	HP Exhaust Fan NS	E	[OFF or ON]
5-805-036	Psu Fan T Right NS	E	[OFF or ON]
5-805-037	Psu Fan T Right HS	E	[OFF or ON]
5-805-038	Psu Fan T Left NS	E	[OFF or ON]
5-805-039	Psu Fan T Left HS	E	[OFF or ON]
5-805-040	Psu Fan M1 Right NS	E	[OFF or ON]
5-805-041	Psu Fan M1 Left NS	E	[OFF or ON]
5-805-042	Psu Fan M2 Right NS	E	[OFF or ON]
5-805-043	Psu Fan M2 Left NS	E	[OFF or ON]
5-805-046	P-sensor Fan NS	E	[OFF or ON]
5-805-047	Paper Transfer Fan Front NS	E	[OFF or ON]
5-805-048	Paper Transfer Fan Rear NS	E	[OFF or ON]
5-805-049	CIS Cleaning Fan NS	E	[OFF or ON]
5-805-051	PRT Cooling Fan Front NS	E	[OFF or ON]
5-805-052	PRT Cooling Fan Rear NS	E	[OFF or ON]
5-805-053	Right Side Cooling Fan Front NS	E	[OFF or ON]
5-805-054	Right Side Cooling Fan Front HS	E	[OFF or ON]
5-805-055	Right Side Cooling Fan Rear NS	E	[OFF or ON]
5-805-	Right Side Cooling Fan Rear HS	E	[OFF or ON]

056			
5-805-057	Ozone Brower Suction HS	E	[OFF or ON]
5-805-058	Ozone Brower Exhaust HS	E	[OFF or ON]
5-805-059	Right Side Cooling Fan Center NS	E	[OFF or ON]
5-805-060	Right Side Cooling Fan Center HS	E	[OFF or ON]
5-805-061	Toner Bottle Motor1	E	[OFF or ON]
5-805-062	Toner Bottle Motor2	E	[OFF or ON]
5-805-063	Toner Bottle Chuck Motor1	E	[OFF or ON]
5-805-064	Toner Bottle Chuck Motor2	E	[OFF or ON]
5-805-065	Toner Agitator Motor	E	[OFF or ON]
5-805-066	Toner Feed Motor	E	[OFF or ON]
5-805-067	Toner Collection Bottle Motor	E	[OFF or ON]
5-805-068	PCL	E	[OFF or ON]
5-805-069	Fusing Pressue Release Motor(HP)	E	[OFF or ON] Operates for fusing de-pressure motor home position.
5-805-070	Fusing Pressue Release Motor(Up)	E	[OFF or ON] Operates for fusing de-pressure motor pressurization2 position.
5-805-071	Web Motor	E	[OFF or ON] Rewind the web cleaning motor twice.
5-805-072	Trans T1 Output	E	[OFF or ON]
5-805-073	Trans T2- Output	E	[OFF or ON]
5-805-074	Trans T2+ Output	E	[OFF or ON]

5-805-075	Sep AC Output	E	[OFF or ON]
5-805-076	Sep DC Output	E	[OFF or ON]
5-805-077	Paper Transfer Contact Motor	E	[OFF or ON]
5-805-078	Charge C1 Output	E	[OFF or ON]
5-805-079	Charge C2 Output	E	[OFF or ON]
5-805-080	Charge G Output	E	[OFF or ON]

Output Check: Vaccum Feed LCIT RT5100

5809	**[Output Check]**		
5-809-100	LCT1: Paper Feed Belt Motor: Tray3	E	[ON/OFF]
5-809-101	LCT1: Grip Motor: Tray3	E	[ON/OFF]
5-809-102	LCT1: Vertical Trans Motor 1: Tray3	E	[ON/OFF]
5-809-103	LCT1: Vertical Trans Motor 2: Tray3	E	[ON/OFF]
5-809-104	LCT1: Float Fan: Tray3	E	[ON/OFF]
5-809-105	LCT1: Separate Fan: Tray3	E	[ON/OFF]
5-809-106	LCT1: Side Fan: Front: Tray3	E	[ON/OFF]
5-809-107	LCT1: Side Fan: Rear: Tray3	E	[ON/OFF]
5-809-108	LCT1: Suction Fan 1: Tray3	E	[ON/OFF]
5-809-109	LCT1: Suction Fan 2: Tray3	E	[ON/OFF]
5-809-110	LCT1: Float Fan Shutter Sol: Tray3	E	[ON/OFF]
5-809-111	LCT1: Side Fan Front Shutter Sol: Tray3	E	[ON/OFF]
5-809-112	LCT1: Side Fan Rear Shutter Sol: Tray3	E	[ON/OFF]
5-809-113	LCT1: LED: Tray3	E	[ON/OFF]
5-809-114	LCT1: Paper Feed Belt Motor: Tray4	E	[ON/OFF]
5-809-115	LCT1: Grip Motor: Tray4	E	[ON/OFF]
5-809-116	LCT1: Vertical Trans Motor 1: Tray4	E	[ON/OFF]
5-809-117	LCT1: Vertical Trans Motor 2: Tray4	E	[ON/OFF]
5-809-118	LCT1: Float Fan: Tray4	E	[ON/OFF]
5-809-119	LCT1: Separate Fan: Tray4	E	[ON/OFF]
5-809-120	LCT1: Side Fan: Front: Tray4	E	[ON/OFF]
5-809-121	LCT1: Side Fan: Rear: Tray4	E	[ON/OFF]
5-809-122	LCT1: Suction Fan 1: Tray4	E	[ON/OFF]

5-809-123	LCT1: Suction Fan 2: Tray4	E	[ON/OFF]
5-809-124	LCT1: Float Fan Shutter Sol: Tray4	E	[ON/OFF]
5-809-125	LCT1: Side Fan Front Shutter Sol: Tray4	E	[ON/OFF]
5-809-126	LCT1: Side Fan Rear Shutter Sol: Tray4	E	[ON/OFF]
5-809-127	LCT1: LED: Tray4	E	[ON/OFF]
5-809-128	LCT1: Vertical Trans Exit Motor	E	[ON/OFF]
5-809-129	LCT1: Exit Motor	E	[ON/OFF]
5-809-130	LCT1: Exit Roller Contact Motor	E	[ON/OFF]
5-809-131	LCT2: Paper Feed Belt Motor: Tray5	E	[ON/OFF]
5-809-132	LCT2: Grip Motor: Tray5	E	[ON/OFF]
5-809-133	LCT2: Vertical Trans Motor 1: Tray5	E	[ON/OFF]
5-809-134	LCT2: Vertical Trans Motor 2: Tray5	E	[ON/OFF]
5-809-135	LCT2: Float Fan: Tray5	E	[ON/OFF]
5-809-136	LCT2: Separate Fan: Tray5	E	[ON/OFF]
5-809-137	LCT2: Side Fan: Front: Tray5	E	[ON/OFF]
5-809-138	LCT2: Side Fan: Rear: Tray5	E	[ON/OFF]
5-809-139	LCT2: Suction Fan 1: Tray5	E	[ON/OFF]
5-809-140	LCT2: Suction Fan 2: Tray5	E	[ON/OFF]
5-809-141	LCT2: Float Fan Shutter Sol: Tray5	E	[ON/OFF]
5-809-142	LCT2: Side Fan Front Shutter Sol: Tray5	E	[ON/OFF]
5-809-143	LCT2: Side Fan Rear Shutter Sol: Tray5	E	[ON/OFF]
5-809-144	LCT2: LED: Tray5	E	[ON/OFF]
5-809-145	LCT2: Paper Feed Belt Motor: Tray6	E	[ON/OFF]
5-809-146	LCT2: Grip Motor: Tray6	E	[ON/OFF]
5-809-147	LCT2: Vertical Trans Motor 1: Tray6	E	[ON/OFF]
5-809-148	LCT2: Vertical Trans Motor 2: Tray6	E	[ON/OFF]
5-809-149	LCT2: Float Fan: Tray6	E	[ON/OFF]
5-809-150	LCT2: Separate Fan: Tray6	E	[ON/OFF]
5-809-151	LCT2: Side Fan: Front: Tray6	E	[ON/OFF]
5-809-152	LCT2: Side Fan: Rear: Tray6	E	[ON/OFF]
5-809-153	LCT2: Suction Fan 1: Tray6	E	[ON/OFF]
5-809-154	LCT2: Suction Fan 2: Tray6	E	[ON/OFF]
5-809-155	LCT2: Float Fan Shutter Sol: Tray6	E	[ON/OFF]
5-809-156	LCT2: Side Fan Front Shutter Sol: Tray6	E	[ON/OFF]
5-809-157	LCT2: Side Fan Rear Shutter Sol: Tray6	E	[ON/OFF]
5-809-158	LCT2: LED: Tray6	E	[ON/OFF]
5-809-159	LCT2: Vertical Trans Exit Motor	E	[ON/OFF]
5-809-160	LCT2: Exit Motor	E	[ON/OFF]

5-809-161	LCT2: Exit Roller Contact Motor	E	[ON/OFF]
5-809-193	LCT1: Horizontal Trans Entrance Motor	E	[ON/OFF]
5-809-194	LCT1: Horizontal Trans Exit Motor	E	[ON/OFF]
5-809-195	LCT1: Relay Motor	E	[ON/OFF]

Output Check: ADF (Copier Model Only)

6012	**[1-Pass ADF OUTPUT Check]**		
6-012-001	Pick-Up Motor Forward	E	[ON/OFF]
6-012-003	Feed Motor Forward	E	[ON/OFF]
6-012-005	Relay Motor Forward	E	[ON/OFF]
6-012-009	Exit Motor Forward	E	[ON/OFF]
6-012-010	Bottom Plate Motor For/Rev	E	[ON/OFF]
6-012-015	Pull-Out Motor Forward	E	[ON/OFF]
6-012-016	Middle Motor Forward	E	[ON/OFF]

Output Check: Finisher

6242	**[Finisher Output Check]**		
6-242-001	Entrance Motor	E	[ON/OFF]
6-242-002	Registration Motor	E	[ON/OFF]
6-242-003	Proof Tray Vertical Trans Mt	E	[ON/OFF]
6-242-004	Pre-stack Release Motor	E	[ON/OFF]
6-242-005	Pre-stack Motor	E	[ON/OFF]
6-242-006	Shift JG Motor	E	[ON/OFF]
6-242-007	Stapler JG Motor	E	[ON/OFF]
6-242-008	Proof Tray Exit Motor	E	[ON/OFF]
6-242-009	Horizontal Transport Motor	E	[ON/OFF]
6-242-010	Punch Movement Motor	E	[ON/OFF]
6-242-011	Punch Switch Motor	E	[ON/OFF]
6-242-012	Punch Drive Motor	E	[ON/OFF]
6-242-013	Stapling Tray Entrance Motor	E	[ON/OFF]
6-242-014	Stack Plate Motor	E	[ON/OFF]
6-242-015	Punch S-to-S Regist: CIS Lamp	E	[ON/OFF]
6-242-016	Stapler Rotation Motor	E	[ON/OFF]
6-242-017	Stapler Movement Motor	E	[ON/OFF]
6-242-018	Fence Up-Down Moving Motor	E	[ON/OFF]
6-242-019	Fence S-to-S Moving Motor	E	[ON/OFF]
6-242-020	Front Jogger Fence Motor	E	[ON/OFF]

6-242-021	Rear Jogger Fence Motor	E	[ON/OFF]
6-242-022	Positioning Roller Vibrating Motor	E	[ON/OFF]
6-242-023	Positioning Roller Motor	E	[ON/OFF]
6-242-024	Feed Out Belt Motor	E	[ON/OFF]
6-242-025	Top Fence Motor	E	[ON/OFF]
6-242-026	Shutter Solenoid	E	[ON/OFF]
6-242-027	Staple Motor	E	[ON/OFF]
6-242-028	Stack Transport Motor	E	[ON/OFF]
6-242-029	Stack JG Vibrating Motor	E	[ON/OFF]
6-242-030	Stack Transport Motor	E	[ON/OFF]
6-242-031	Reserved	E	[ON/OFF]
6-242-032	Bklet Stplr Clamp Roller Motor	E	[ON/OFF]
6-242-033	Bklet Stplr Bottom Fence Motor	E	[ON/OFF]
6-242-034	Bklet Stplr Side Fence Motor	E	[ON/OFF]
6-242-035	Bklet Stplr Top Fence Motor	E	[ON/OFF]
6-242-036	Bklet Stplr Mt	E	[ON/OFF]
6-242-037	Booklet Tray Motor	E	[ON/OFF]
6-242-038	Fold Roller Motor	E	[ON/OFF]
6-242-039	Fold Plate Motor	E	[ON/OFF]
6-242-040	Shift Tray Exit Motor	E	[ON/OFF]
6-242-041	Shift Moving Motor	E	[ON/OFF]
6-242-042	Drag Drive Motor	E	[ON/OFF]
6-242-043	Drag Roller Motor	E	[ON/OFF]
6-242-044	Exit Guide Motor	E	[ON/OFF]
6-242-045	Shift Tray Lift Motor	E	[ON/OFF]
6-242-046	Shift Tray Jogger Fence Motor	E	[ON/OFF]
6-242-047	Shift Tray Jog Fence Retra Mt	E	[ON/OFF]
6-242-048	Exit Fan Motor	E	[ON/OFF]
6-242-049	Press Lever	E	[ON/OFF]

Output Check: Multi Fold Unit

6310	**[Output Check: Folder]**		
6-310-001	Horizontal Transport Motor	E	[ON/OFF]
6-310-002	Top Tray Transport Motor	E	[ON/OFF]
6-310-003	Top Tray Exit Motor	E	[ON/OFF]
6-310-004	Dynamic Roller Transport Motor	E	[ON/OFF]
6-310-005	Registration Roller Transport Motor	E	[ON/OFF]

6-310-007	Entrance JG Motor	E	[ON/OFF]
6-310-008	1st Stopper Motor	E	[ON/OFF]
6-310-009	2nd Stopper Motor	E	[ON/OFF]
6-310-010	3rd Stopper Motor	E	[ON/OFF]
6-310-011	Dynamic Roller Lift Motor	E	[ON/OFF]
6-310-012	Registration Roller Release Motor	E	[ON/OFF]
6-310-013	Fold Plate Motor	E	[ON/OFF]
6-310-014	Jogger Fence Motor	E	[ON/OFF]
6-310-016	Direct-Send JG Motor	E	[ON/OFF]
6-310-017	FM6 Pawl Motor	E	[ON/OFF]
6-310-018	1st Fold Motor	E	[ON/OFF]
6-310-019	2nd Fold Motor	E	[ON/OFF]
6-310-020	Crease Motor	E	[ON/OFF]
6-310-021	Bypass JG Solenoid	E	[ON/OFF]
6-310-022	Exit JG Solenoid	E	[ON/OFF]
6-310-023	Top Tray JG Solenoid	E	[ON/OFF]
6-310-024	LE Stop Pawl Solenoid	E	[ON/OFF]
6-310-025	Reverse JG Solenoid	E	[ON/OFF]
6-310-026	Horizontal Exit Motor	E	[ON/OFF]

Output Check: Cover Interposer Tray

6401	**[Cvr Inserter Output Check]**		
6-401-001	OFF (Stop)	E	[ON/OFF]
6-401-002	1st Pick-up Motor	E	[ON/OFF]
6-401-003	2nd Pick-up Motor	E	[ON/OFF]
6-401-004	1st Paper Feed Motor	E	[ON/OFF]
6-401-005	2nd Paper Feed Motor	E	[ON/OFF]
6-401-006	1st Transport Motor	E	[ON/OFF]
6-401-007	2nd Transport Motor	E	[ON/OFF]
6-401-008	Vertical Transport Motor	E	[ON/OFF]
6-401-009	Horizontal Transport Motor	E	[ON/OFF]

Output Check: Ring Binder

6509	**[Output Check: Ring Binder]**		
6-509-001	Entrance Motor	E	[ON/OFF]
6-509-002	Transport Motor	E	[ON/OFF]
6-509-003	Exit Motor	E	[ON/OFF]

6-509-004	Path JG Motor	E	[ON/OFF]
6-509-005	Jog Roller Motor	E	[ON/OFF]
6-509-006	Side Jogger Motor	E	[ON/OFF]
6-509-007	After-Punch Output Motor	E	[ON/OFF]
6-509-008	Jog Roller Lift Motor	E	[ON/OFF]
6-509-009	Hole Clear Motor	E	[ON/OFF]
6-509-010	Top Fence SOL	E	[ON/OFF]
6-509-011	Output Belt 1 Motor	E	[ON/OFF]
6-509-012	Output Belt 2 Motor	E	[ON/OFF]
6-509-013	Output Belt Rotation Motor	E	[ON/OFF]
6-509-014	Output Tray Lift Motor	E	[ON/OFF]
6-509-015	De-curler Motor	E	[ON/OFF]
6-509-016	Shutter Motor	E	[ON/OFF]
6-509-017	Paddle Roller Motor	E	[ON/OFF]
6-509-018	Alignment Pin Motor	E	[ON/OFF]
6-509-019	Paddle Roller Lift Motor	E	[ON/OFF]
6-509-020	Width Align Motor 1	E	[ON/OFF]
6-509-021	Clamp Motor	E	[ON/OFF]
6-509-022	Width Align Motor 2	E	[ON/OFF]
6-509-023	Roller Motor	E	[ON/OFF]
6-509-024	Roller Lift Motor	E	[ON/OFF]
6-509-025	Main Lift Motor	E	[ON/OFF]
6-509-026	50/100 Adjustment Motor	E	[ON/OFF]

Output Check: Stacker 1 Upstream

6601	**[Stacker1 Output Check]**		
	Execute the movement check of the specifed part.		
6-601-001	Entrance Motor/Fan2	E	[ON/OFF]
6-601-002	Proof Tray Exit Motor	E	[ON/OFF]
6-601-003	Shift Exit Motor	E	[ON/OFF]
6-601-004	Transport Motor	E	[ON/OFF]
6-601-005	Shift JG Motor	E	[ON/OFF]
6-601-006	Proof Tray JG Motor	E	[ON/OFF]
6-601-007	Shift Motor	E	[ON/OFF]
6-601-008	Front Jogger Fence Motor	E	[ON/OFF]
6-601-009	Rear Jogger Fence Motor	E	[ON/OFF]
6-601-010	Jogger Fence Retraction Motor	E	[ON/OFF]

6-601-011	LE Stopper Motor	E	[ON/OFF]
6-601-012	Sub Jogger Motor	E	[ON/OFF]
6-601-013	Tray Lift Motor	E	[ON/OFF]
6-601-014	Front Door Lock SOL	E	[ON/OFF]
6-601-015	Fan1	E	[ON/OFF]
6-601-016	Tray Full LED	E	[ON/OFF]
6-601-017	Jam LED	E	[ON/OFF]
6-601-018	Jog In Progress LED	E	[ON/OFF]
6-601-019	Tray Lift LED	E	[ON/OFF]
6-601-020	Error LED	E	[ON/OFF]

Output Check: Stacker 2 Downstream

6607	**[Stacker2 Output Check]**		
	Execute the movement check of the specifed part.		
6-607-001	Entrance Motor/Fan2	E	[ON/OFF]
6-607-002	Proof Tray Exit Motor	E	[ON/OFF]
6-607-003	Shift Exit Motor	E	[ON/OFF]
6-607-004	Transport Motor	E	[ON/OFF]
6-607-005	Shift JG Motor	E	[ON/OFF]
6-607-006	Proof Tray JG Motor	E	[ON/OFF]
6-607-007	Shift Motor	E	[ON/OFF]
6-607-008	Front Jogger Fence Motor	E	[ON/OFF]
6-607-009	Rear Jogger Fence Motor	E	[ON/OFF]
6-607-010	Jogger Fence Retraction Motor	E	[ON/OFF]
6-607-011	LE Stopper Motor	E	[ON/OFF]
6-607-012	Sub Jogger Motor	E	[ON/OFF]
6-607-013	Tray Lift Motor	E	[ON/OFF]
6-607-014	Front Door Lock SOL	E	[ON/OFF]
6-607-015	Fan1	E	[ON/OFF]
6-607-016	Tray Full LED	E	[ON/OFF]
6-607-017	Jam LED	E	[ON/OFF]
6-607-018	Jog In Progress LED	E	[ON/OFF]
6-607-019	Tray Lift LED	E	[ON/OFF]
6-607-020	Error LED	E	[ON/OFF]

Output Check: Trimmer

6651	**[Output Check: Trimmer]**

6-651-001	Entrance Motor	E	[ON/OFF]
6-651-002	Exit Motor	E	[ON/OFF]
6-651-003	Press Roller Motor	E	[ON/OFF]
6-651-004	Cut Position Motor	E	[ON/OFF]
6-651-005	Press Stopper Motor	E	[ON/OFF]
6-651-006	Tray Motor	E	[ON/OFF]
6-651-007	Trimming Blade Motor	E	[ON/OFF]

Printer SP Table

Bit Switch

1001	[Bit Switch]			
001	Bit Switch 1		0	1
	bit 0	DFU	-	-
	bit 1	**Responding with the hostname as the sysName (Copier Model)**	**Model name (PnP name)**	Hostname
		This BitSwitch can change the value of the sysName.		
	bit 2	DFU	-	-
	bit 3	**No I/O Timeout**	**Disabled**	Enabled
		Enables/Disables MFP I/O Timeouts. If enabled, the MFP I/O Timeout setting will have no affect. I/O Timeouts will never occur.		
	bit 4	**SD Card Save Mode**	**Disabled**	Enabled
		If this bit switch is enabled, print jobs will be saved to the GW SD slot and not output to paper.		
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	**[RPCS,PCL]: Printable area frame border**	**Disabled**	Enabled
		Prints all RPCS and PCL jobs with a border around the printable area.		

1001	[Bit Switch]			
002	Bit Switch 2		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	**Applying a Collate Type**	**Shift Collate**	Normal Collate
		A collate type (shift or normal) will be applied to all jobs that do not explicitely define a collate type. **Note**: If #5-0 is enabled, this BitSwitch has no effect.		
	bit 3	**[PCL5e/c,PS]: PDL Auto Switching**	**Enabled**	Disabled
		Enables/Disables the MFPs ability to change the PDL processor mid-job. Some host systems submit jobs that contain both PS and PCL5e/c. If Auto PDL switching is disabled, these jobs will not be printed properly.		

	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 5	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
003	Bit Switch 3		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	**[PCL5e/c]: Legacy HP compatibility**	**Disabled**	Enabled
		Uses the same left margin as older HP models such as HP4000/HP8000. In other words, the left margin defined in the job (usually "<ESC>*r0A") will be changed to "<ESC>*r1A".		
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
004	Bit Switch 4		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 2	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-

	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
005	Bit Switch 5		0	1
	bit 0	**Show "Collate Type", "Staple Type" and "Punch Type" buttons on the operation panel.**	**Disabled**	Enabled
		If enabled, users will be able to configure a Collate Type, Staple Type, and Punch Type from the operation panel. The available Types will depend on the device and configured options. After enabling this BitSw, the settings will appear under: "User Tools > Printer Features > System"		
	bit 1	**Multiple copies if a paper size or type mismatch occurs**	**Disabled (single copy)**	Enabled (multiple)
		If a paper size or type mismatch occurs during the printing of multiple copies, only a single copy is output by default. Using this BitSw, the device can be configured to print all copies even if a paper mismatch occurs.		
	bit 2	**Prevent SDK applications from altering the contents of a job.**	**Disabled**	Enabled
		If this BitSw is enabled, SDK applications will not be able to alter print data. This is achieved by preventing SDK applications from accessing a module called the "GPS Filter". Note: The main purpose of this BitSw is for troubleshooting the effects of SDK applications on data.		
	bit 3	**[PS] PS Criteria**	**Pattern3**	Pattern1
		Change the number of PS criterion used by the PS interpreter to determine whether a job is PS data or not.		
	bit 4	**Increase max. number of stored jobs.**	**Disabled (100)**	Enabled (750)
		Changes the maximum number of jobs that can be stored on the HDD. The default (disabled) is 100. If this is enabled, the max. will be raised to 750 or 1000 depending on the model.		
	bit 5	**Face-up output**	Disabled	Enabled (Face-up)
		All print jobs will be output face-up in the destination tray.		
	bit 6	**Method for determining the image rotation for the edge to bind on.**	**Disabled**	Enabled
		If enabled, the image rotation will be performed as they were in the specifications of older models for the binding of pages of mixed orientation jobs. The old models are below: - PCL: Pre-04A models		

		- PS/PDF/RPCS:Pre-05S models		
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
006	Bit Switch 6		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**		
007	Bit Switch 7	0	1
	bit 0	**Print path**	**Disable**	Enable
		If enabled, simplex pages (in mixed simplex/duplex PS/PCL5 jobs only) and the last page of an odd paged duplex job (PS, PCL5, PCL6), are always routed through the duplex unit. Not having to switch paper paths increases the print speed slightly.		
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**		
008	Bit Switch 8	0	1

	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	**[PDF]: Orientation Auto Detect Fuction**	**Enabled**	Disabled
		Automatically chooses page orientations of PDF jobs (Landscape or Portrait) based on the content.		

1001	**[Bit Switch]**			
009	Bit Switch 9		0	1
	bit 0	**PDL Auto Detection timeout of jobs submitted via USB or Parallel Port (IEEE 1284).**	**Disabled (Immediately)**	Enabled (10 seconds)
		To be used if PDL auto-detection fails. A failure of PDL autodetection doesn't necessarily mean that the job can't be printed. This bit switch tells the device whether to time-out immediately (default) upon failure or to wait 10 seconds.		
	bit 1	DFU	-	-
	bit 2	**Job Cancel**	**Disabled (Not cancelled)**	Enabled (Cancelled)
		If this bit switch, all jobs will be cancelled after a jam occurs. **Note**: If this bitsw is enabled, printing under the following conditions might result in problems: - Job submission via USB or Parallel Port - Spool printing (WIM >Configuration > Device Settings > System)		
	bit 3	DFU	-	-
	bit 4	**Timing of the PJL Status ReadBack (JOB END) when printing multiple collated copies.**	**Disabled**	Enabled
		This bitsw determines the timing of the PJL USTATUS JOB END sent when multiple collated		

		copies are being printed. 0 (default): JOB END is sent by the device to the client after the first copy has completed printing. This causes the page counter to be incremented after the first copy and then again at the end of the job. 1: JOB END is sent by the device to the client after the last copy has finished printing. This causes the page counter to be incremented at the end of each job.		
	bit 5	**Display UTF-8 text in the operation panel**	**Enabled**	Disabled
		Enabled (=0): Text composed of UTF-8 characters can be displayed in the operation panel. Disabled (=1): UTF-8 characters cannot be displayed in the operation panel. For example, job names are sometimes stored in the MIB using UTF-8 encoded characters. When these are displayed on the operation panel, they will be garbled unless this BitSw is enabled (=0).		
	bit 6	**Disable super option**	**Enabled**	Disabled
		Switches super option disable on / off. It this is On, multiple jobs are grouped at LPR port. PJL settings are enabled even jobs that are specified queue names are sent.		
	bit 7	**Enable/Disable Print from USB/SD's Preview function**	Enabled	**Disabled**
		Determines whether Print from USB/SD will have the Preview function. Enabled (=0): Print from USB/SD will have the Preview function. Disabled (=1): Print from USB/SD will not have the Preview function.		

1001	**[Bit Switch]**			
010	Bit Switch A		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	**Store and Skip Errored Job locks the queue**	**Queue is not locked after SSEJ**	Queue locked after SSEJ
		If this is 1, then after a job is stored using Store and Skip Errored Job (SSEJ), new jobs cannot be added to the queue until the stored job has been completely printed.		

	bit 6	**Allow use of Store and Skip Errored Job if connected to an external charge device.**	**Does not allow SSEJ with ECD**	Allows SSEJ with ECD
		If this is 0, Store and Skip Errored Job (SSEJ) will be automatically disabled if an external charge device is connected. **Note**: We do not officially support enabling this bitsw (1). Use it at your own risk.		
	bit 7	**Job cancels remaining pages when the paid-for pages have been printed on an external charge device**	**Job does not cancel**	Job cancels
		When setting 1 is enabled, after printing the paid-for pages on an external charge device, the job that includes any remaining pages will be canceled. This setting will prevent the next user from printing the unnecessary pages from the previous user's print job.		

1001	**[Bit Switch]**			
011	Bit Switch B		0	1
	bit 0	**Show Menu List**	**Hide Menu List**	Show Menu List
		If this is 0, the Menu List button will be removed from Printer Features.		
	bit 1	**Print job interruption**	**Does not allow interruption**	Allow interruption
		0 (default): Print jobs are not interrupted. If a job is promoted to the top of the print queue, it will wait for the currently printing job to finish. 1: If a job is promoted to the top of the queue, it will interrupt the currently printing job and start printing immediately.		
	bit 2	**Switch for enabling or disabling Limitless Paper Feeding for the Bypass Tray (Copier Model)**	**Enabled**	Disabled
		When the Bypass Tray is the target of the Auto Tray Select and Any Size/Type is configured for the Tray Setting Priority setting of the Bypass Tray, this BitSwitch can switch the behavior whether or not Limitless Paper Feeding is applied to the Bypass Tray.* The default is Enabled (=0). *Limitless Paper Feeding will try a matching tray of the next highest priority if a job specified to Auto Tray Select as the tray setting is submitted and the tray runs out of paper. Enabled (=0: Default): Limitless Paper Feeding is applied to the Bypass Tray. If a tray other than the Bypass Tray matches the job's paper size and type but has run out of paper, printing will occur from the Bypass Tray. Disabled (=1): Limitless Paper Feeding is not applied to the Bypass Tray. If a tray other than the Bypass Tray matches the job's paper size and type but has run out of paper, printing will stop and an alert will appear on the LCD screen, stating that the tray has run out of paper. This prevents unexpected use of the Bypass Tray.		

		Limitations when this BitSwitch is set to "1": - The "Paper Tray Priority: Printer" setting must be configured to a tray other than the Bypass Tray. - Jobs that contain more than one paper size cannot be printed.

	bit 3	**Change the behavior of the center staple**	**Cancel the job**	Continue to print
		This Bit Switch can change the behavior of the center staple when the maximum number of sheets for stapling is exceeded. 0 (default): The job is canceled and an error is recorded in the log. 1: The job is not canceled and is produced. How the job is produced in any behavior depends on the type of finisher.		
	bit 4	**Add "Apply Auto Paper Select" is the condition that decides if the device's paper size or paper type should be overwritten.**	Disabled	Enabled
		If this BitSwitch is set to "1" (enabled), the "Apply Auto Paper Select" setting will decide if the paper size or paper type that is specified in the device settings should be overwritten by the job's commands when "Tray Setting Priority" is set to "Driver/Command" or "Any Type". - Apply Auto Paper Select = OFF: Overwritten (priority is given to the job's commands) - Apply Auto Paper Select = ON: Not overwritten (priority is given to the device settings)		
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
012	Bit Switch C		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	[Bit Switch]			
013	Bit Switch D		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	[Bit Switch]			
014	Bit Switch E		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	[Bit Switch]			
015	Bit Switch F		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	[Bit Switch]			
016	Bit Switch G		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-

	bit 2	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

SP1-XXX

1002	**[Mode setting]** -		
1-002-001	Counter Mode	C*	[- / - / -]

1003	**[Clear setting]** -		
1-003-001	Initialize Printer System	C*	[- / - / -]
1-003-002	Clear CSS Counter	C*	[- / - / -]
1-003-003	Delete Program	C*	[- / - / -]

1004	**[Print Summary]** Prints the service summary sheet (a summary of all the controller settings).		
1-004-001	Print Printer Summary	C	[- / - / -]
1-004-002	Service Summary 2	C	[- / - / -]

1005	**[Display Version]** Displays the version of the controller firmware.		
1-005-002	-	C	[- / - / -]

1006	**[Sample/Locked Print]** -		
1- 006- 001	0:Link with Doc. Srv 1:Enable	C*	[0 or 1 / **0** / 1/step] 0: Linked, 1: On Enables and disables the document server. When you select "0," the document server is enabled or disabled in accordance with Copy Service Mode SP5-967. When you select "1," the document server is enabled regardless of Copy Service Mode SP5-967.

1008	**[Twin Color Support]** Enables, Disables Twin Color Support

1-008-001	-	C	[0 to 1/ **0** / 1] 0: Disable 1: Enable

1009	**[Tone Ctl Set]**		
1-009-001	I/O Timeout	C	Interface timeout switch
1-009-002	Minus Counter	C	0: Disable 1: Enable

1111	**[Tone Ctl Set]**		
1-111-001	Tone (Factory)	C	Fetches the coefficient for half-tone gradation adjustment used at factory.
1-111-002	Tone (Prev.)	C	Fetches the coefficient for half-tone gradation adjustment used previously.

Scanner SP Table (Copier Model Only)

SP1-XXX (System and Others)

1001	**[Scan Nv Version]** Displays the scanner firmware version stored in NVRAM in a 9-digit format: Func. Name_Model Name_History No.		
1-001-005	-	C*	Operates following two operation simultaneously to prevent initialization when initialization of scanner NV is required. • Automatic initialization by individual version control. • Writes the message "initialization is required" at history, and then instructs initialization by release notification. (Only operates this way in current situation.)

1005	**[Erase Margin(Remote scan)]**		
1-005-001	Range from 0 to 5 mm	C*	[0 to 5 / **0** / 1/step] Creates an erase margin for all edges of the scanned image. If the machine has scanned the edge of the original, create a margin. This SP is activated only when the machine uses TWAIN scanning.

1009	**[Remote scan disable]**		
1-009-001	-	C*	[0 or 1 / **0** / 1 /step] This SP switches the TWAIN scanner function on/off. This is one of the scanner application functions. 0: ON (enabled) 1: OFF (disabled)

1010	**[Non Display Clear Light PDF]**		
1-010-001	-	C*	[0 or 1 / **0** / 1 /step] Display or Non display remote scan. 0: Display, 1: No display

1011	**[Org Count Display]**		
1-011-001	-	C*	[0 or 1 / **0** / 1 /step] 0: OFF (no display) 1: ON (count displays) This SP codes switches the original count display on/off.

1012	**[User Info Release]**		
1-012-001	-	C*	[0 or 1 / **1** / 1 /step]

			1: Release 0: Do not release This SP code sets the machine to release or not release the following items at job end. • Destination (E-mail/Folder/CS) • Sender name • Mail Text • Subject line • File name

1013	**[Scan to Media Device Setting]**		
1-013-002	-	C*	0 or 1 / **1** / 1 /step] 0: Disable 1: Enable This SP code enables/disables the multi-media function option (USB 2.0/SD Slot) mounted on the front of the machine. Operators can scan documents to either an SD card or a USB memory device inserted into this unit. This SP must be enabled (set to "1") in order for the device to function.

1014	**[Scan to Folder Pass Input Set]**		
1-014-001	-	C*	[0 or 1 / **0** / 1 /step] 0: Disable 1: Enable Enables / Disables to input password for Scan To Folder.

1041	**[Scan : Flair API Setting]**		
1-041-001	-	C*	[0 or 255 / **0** / 1 /step] 0: Disable 1: Enable

SP2-XXX (Scanning-image quality)

2021	**[Compression Level (Grayscale)]** Selects the compression ratio for grayscale processing mode (JPEG) for the five settings that can be selected at the operation panel.		
2-021-001	Comp1:5-95	C*	[5 to 95 / **20** / 1 /step] Sets compression ratio when "Comp1" was selected when using multi-level compression. Comp1 of 5grades notch. 5"low: low image quality" -> ->95(high: high quality)

2-021-002	Comp2:5-95	C*	[5 to 95 / **40** / 1 /step] Sets compression ratio when "Comp2" was selected when using multi-level compression. Comp2 of 5grades notch.
2-021-003	Comp3:5-95	C*	[5 to 95 / **65** / 1 /step] Sets compression ratio when "Comp3" was selected when using multi-level compression. Comp3 of 5grades notch.
2-021-004	Comp4:5-95	C*	[5 to 95 / **80** / 1 /step] Sets compression ratio when "Comp4" was selected when using multi-level compression. Comp4 of 5grades notch.
2-021-005	Comp5:5-95	C*	[5 to 95 / **95** / 1 /step] Sets compression ratio when "Comp55" was selected when using multi-level compression. Comp55 of 5grades notch.

2024	**[Compression ratio of Clear Light PDF]** Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.		
2-024-001	Compression Ratio (Normal image)	C*	[5 to 95 / **25** / 1/step] Sets the compression rate when you select "normal" clear light when using PDF. 5”low: low image quality” ->->95”high: high image”.
2-024-002	Compression Ratio (High)	C*	[5 to 95 / **20** / 1/step] Set the compression rate when you select "High" clear light when using PDF.

2025	**[Compression ratio of Clear Light PDF JPEG2000]**		
2-025-001	Compression Ratio (Normal) JPEG2000	C*	[5 to 95 / **25** / 1/step] Sets the compression rate when you select "normal" clear light when using clear right PDF JPEG2000. 5”low: low image quality” ->->95”high: high image”.
2-025-002	Compression Ratio (High) JEPG2000	C*	[5 to 95 / **20** / 1/step] Sets the compression rate when you select "high" clear light when using clear right PDF JPEG2000.

2030	**[OCR PDF Detect Sens]**

2-030-001	-	C*	[0 to 255 / **250** / 1/step] Sets brightness that consider a white: Information of detection level 5 at white paper detection enable of PDF setting with OCR "Transparent text". 1 (low: low sensitivity) <-->4(high: high sensitivity) Sensitive 5 can be set fine setting sensitive information by user.
2-030-002	-	C*	[0 to 100 / **80** / 1/step] Sets part 2: Information of detection level 5 at white paper detection enable of PDF setting with OCR "Transparent text".
2-030-003	-	C*	[0 to 100 / **80** / 1/step] Sets part 3: Information of detection level 5 at white paper detection enable of PDF setting with OCR "Transparent text".